

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121222\  
 Data File : BN023138.D  
 Acq On : 12 Dec 2022 16:47  
 Operator : CG/JU  
 Sample : PB149511BSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149511BSD

Quant Time: Dec 12 17:21:42 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 12 05:18:26 2022  
 Response via : Initial Calibration

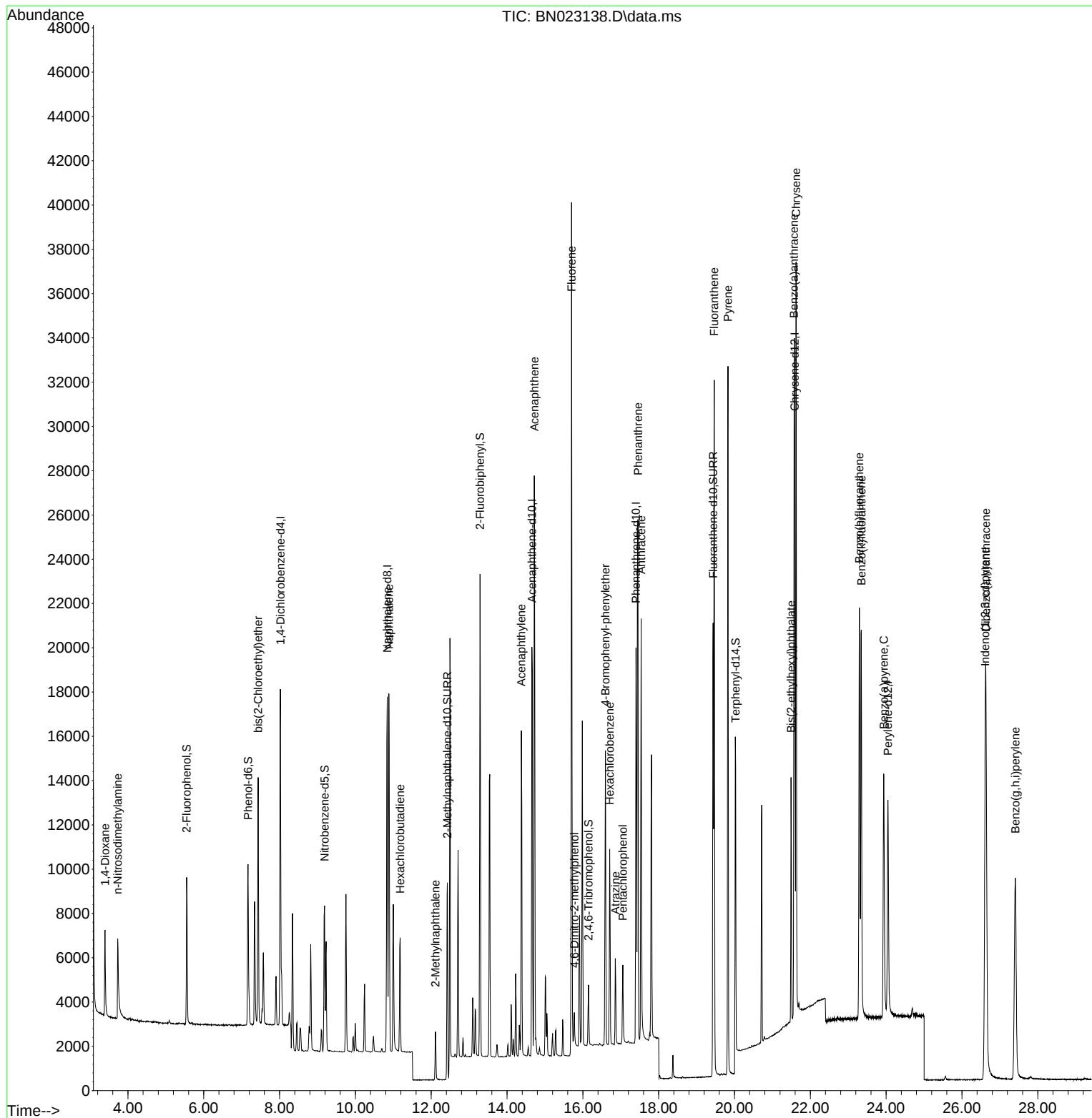
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.021  | 152  | 7251     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.840 | 136  | 21153    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.656 | 164  | 10869    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.402 | 188  | 23186    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.589 | 240  | 18454    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 24.047 | 264  | 14377    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.551  | 112  | 5359     | 0.397 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.168  | 99   | 6731     | 0.392 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.185  | 82   | 5520     | 0.396 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.424 | 152  | 14227    | 0.397 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.148 | 330  | 1518     | 0.385 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.287 | 172  | 17741    | 0.409 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.435 | 212  | 21409    | 0.394 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.031 | 244  | 11338    | 0.378 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.398  | 88   | 2814     | 0.393 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.731  | 42   | 2858     | 0.407 | ng    | # 99     |
| 6) bis(2-Chloroethyl)ether    | 7.436  | 93   | 7964     | 0.408 | ng    | 99       |
| 9) Naphthalene                | 10.883 | 128  | 21167    | 0.393 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.182 | 225  | 4248     | 0.414 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.114 | 142  | 3187     | 0.397 | ng    | 100      |
| 16) Acenaphthylene            | 14.378 | 152  | 16403    | 0.375 | ng    | 100      |
| 17) Acenaphthene              | 14.720 | 154  | 12446    | 0.387 | ng    | 99       |
| 18) Fluorene                  | 15.703 | 166  | 14136    | 0.393 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.776 | 198  | 987      | 0.448 | ng    | 97       |
| 21) 4-Bromophenyl-phenylether | 16.595 | 248  | 4870     | 0.394 | ng    | # 89     |
| 22) Hexachlorobenzene         | 16.707 | 284  | 6535     | 0.403 | ng    | 99       |
| 23) Atrazine                  | 16.856 | 200  | 3088     | 0.354 | ng    | # 90     |
| 24) Pentachlorophenol         | 17.055 | 266  | 1766     | 0.314 | ng    | 99       |
| 25) Phenanthrene              | 17.452 | 178  | 26644    | 0.386 | ng    | 100      |
| 26) Anthracene                | 17.539 | 178  | 20027    | 0.364 | ng    | 100      |
| 28) Fluoranthene              | 19.465 | 202  | 27822    | 0.376 | ng    | 99       |
| 30) Pyrene                    | 19.827 | 202  | 27245    | 0.403 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.571 | 228  | 22411    | 0.377 | ng    | 99       |
| 33) Chrysene                  | 21.625 | 228  | 27080    | 0.405 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.491 | 149  | 9657     | 0.384 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.614 | 276  | 25395    | 0.394 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 23.293 | 252  | 24013    | 0.403 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.343 | 252  | 23436    | 0.387 | ng    | 99       |
| 39) Benzo(a)pyrene            | 23.936 | 252  | 17568    | 0.393 | ng    | 96       |
| 40) Dibenzo(a,h)anthracene    | 26.632 | 278  | 19989    | 0.386 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 27.407 | 276  | 20906    | 0.378 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN121222\  
Data File : BN023138.D  
Acq On : 12 Dec 2022 16:47  
Operator : CG/JU  
Sample : PB149511BSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

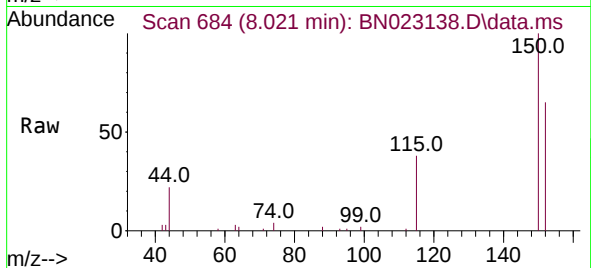
Quant Time: Dec 12 17:21:42 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN120822.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 12 05:18:26 2022  
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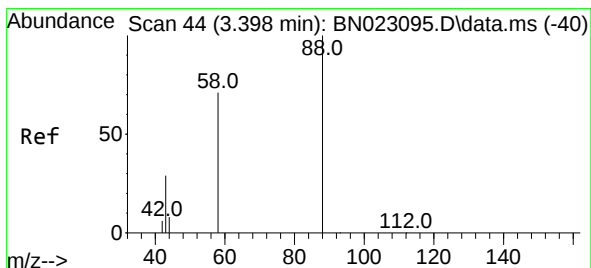
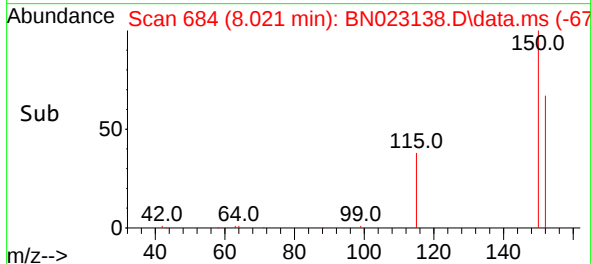
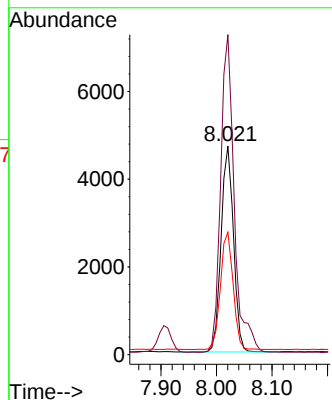


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.021 min Scan# 684  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149511BSD

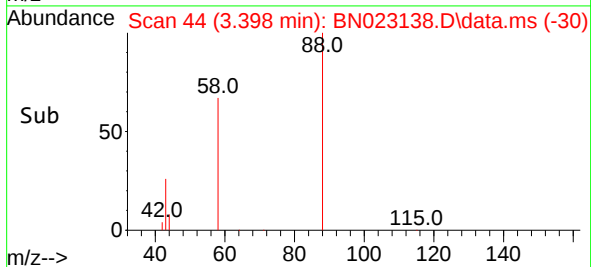
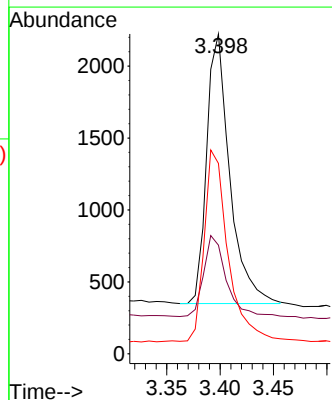
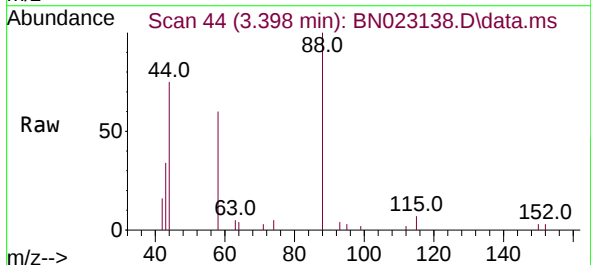


Tgt Ion:152 Resp: 7251  
 Ion Ratio Lower Upper  
 152 100  
 150 153.5 125.6 188.4  
 115 58.7 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 0.393 ng  
 RT: 3.398 min Scan# 44  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Tgt Ion: 88 Resp: 2814  
 Ion Ratio Lower Upper  
 88 100  
 43 29.1 23.3 34.9  
 58 74.3 58.0 87.0

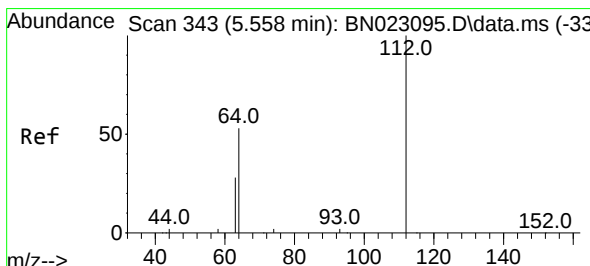
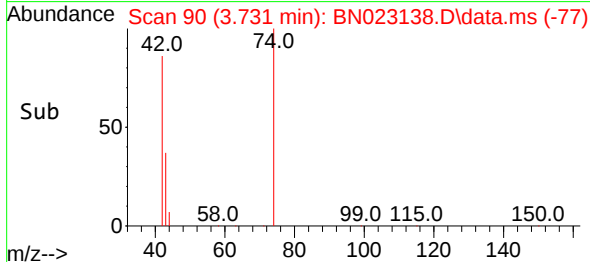
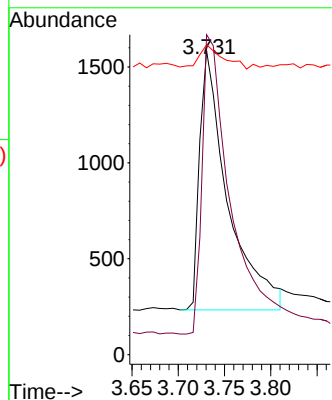
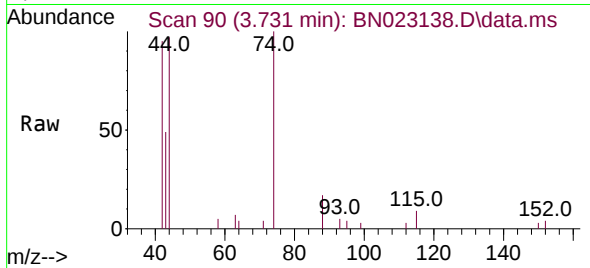




#3  
 n-Nitrosodimethylamine  
 Concen: 0.407 ng  
 RT: 3.731 min Scan# 90  
 Delta R.T. -0.007 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

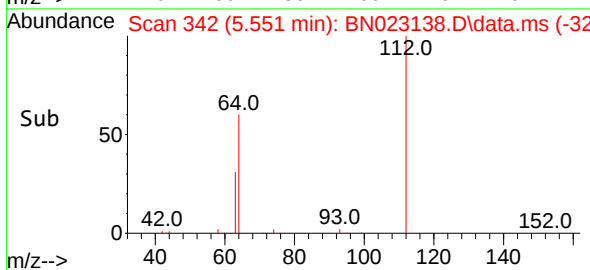
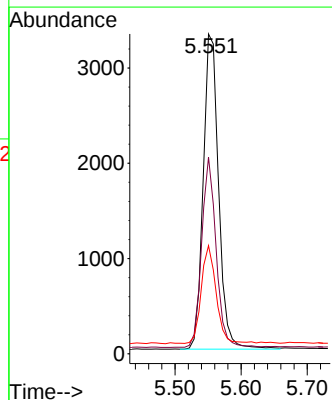
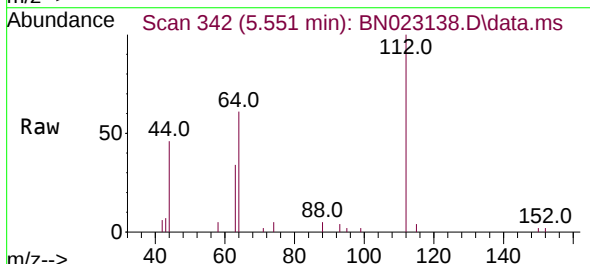
Instrument :  
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 PB149511BSD

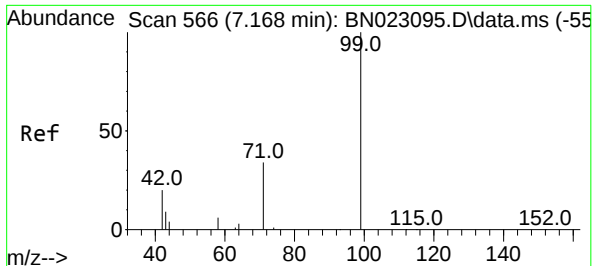
Tgt Ion: 42 Resp: 2858  
 Ion Ratio Lower Upper  
 42 100  
 74 119.8 95.8 143.6  
 44 6.9 8.4 12.6#



#4  
 2-Fluorophenol  
 Concen: 0.397 ng  
 RT: 5.551 min Scan# 342  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Tgt Ion: 112 Resp: 5359  
 Ion Ratio Lower Upper  
 112 100  
 64 56.7 44.4 66.6  
 63 29.8 23.7 35.5

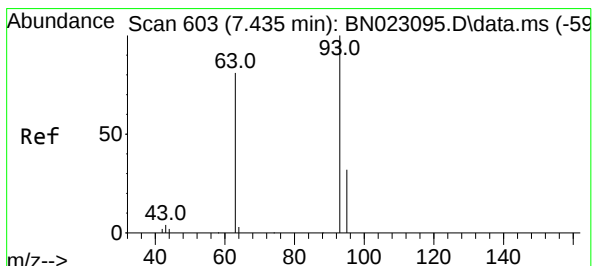
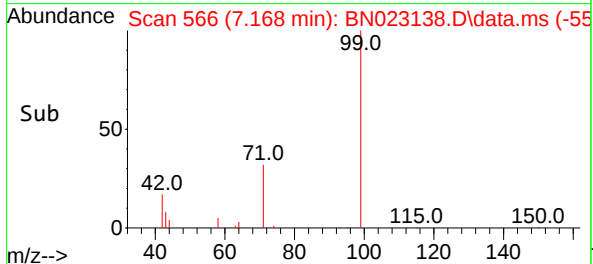
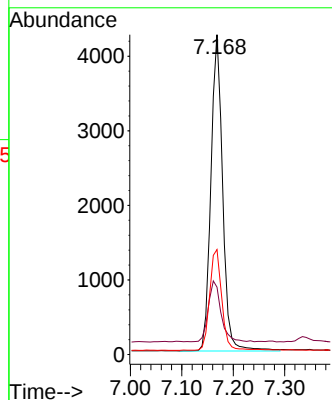
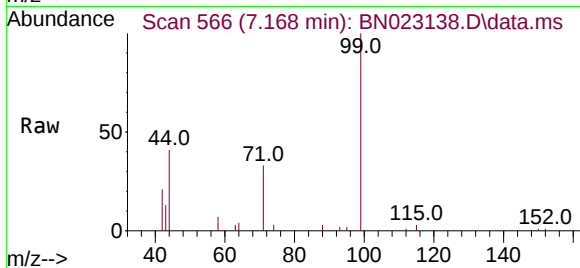




#5  
Phenol-d6  
Concen: 0.392 ng  
RT: 7.168 min Scan# 566  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

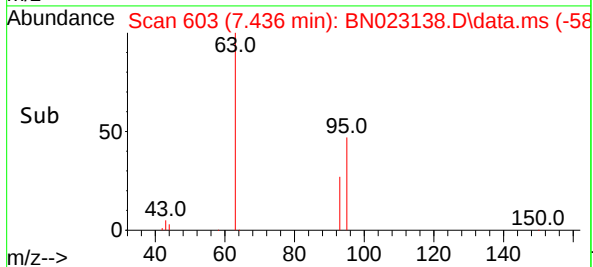
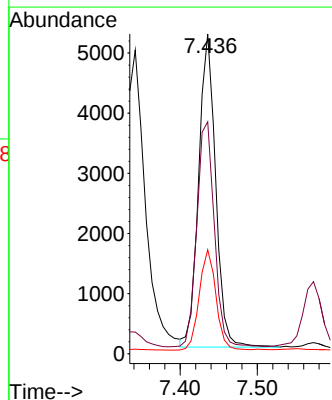
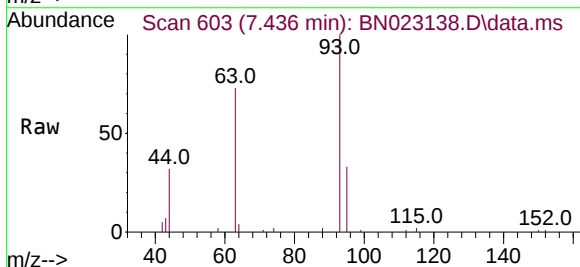
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

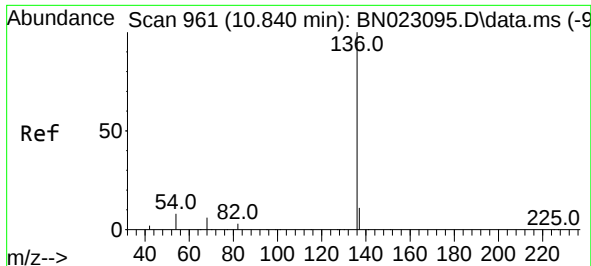
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 6731  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 20.7  | 16.3  | 24.5  |
| 71       | 33.0  | 26.5  | 39.7  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.408 ng  
RT: 7.436 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 7964  |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 63       | 73.9  | 58.1  | 87.1  |
| 95       | 31.5  | 25.2  | 37.8  |

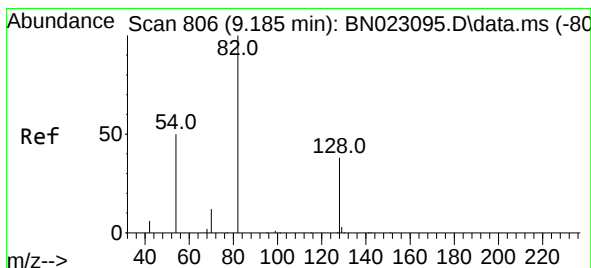
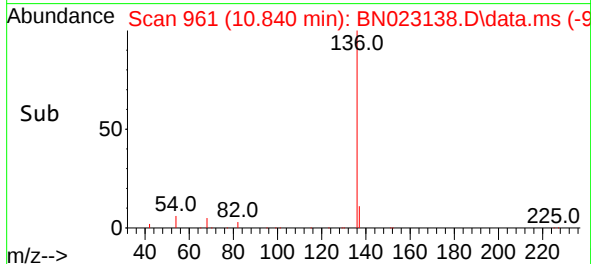
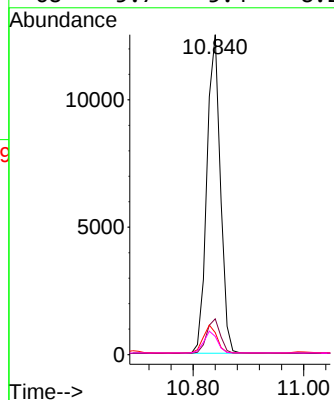
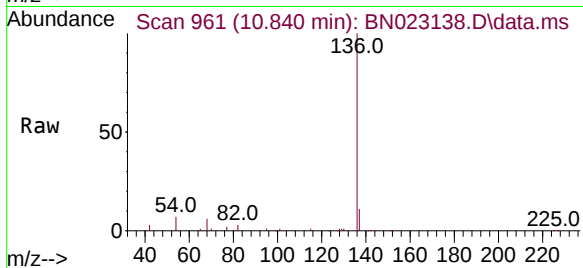




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.840 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

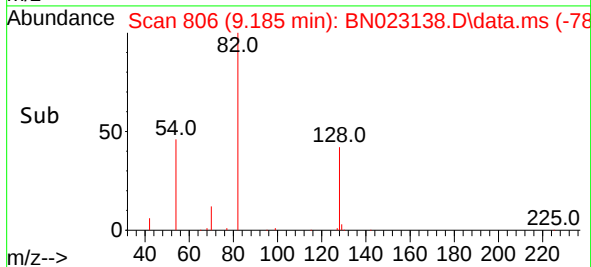
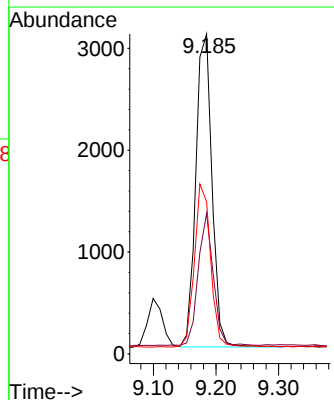
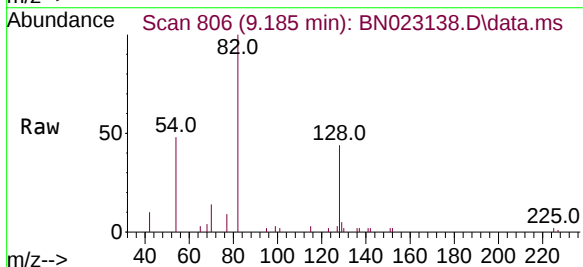
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

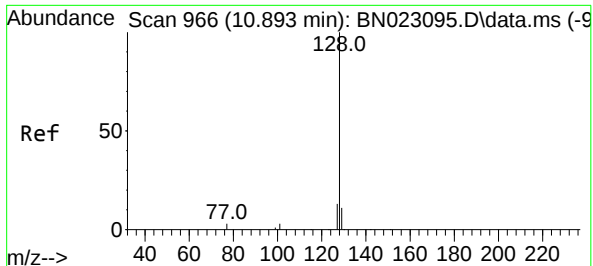
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|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 21153 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.0   | 13.4  |
| 54       | 6.9   | 6.5   | 9.7   |
| 68       | 5.7   | 5.4   | 8.2   |



#8  
Nitrobenzene-d5  
Concen: 0.396 ng  
RT: 9.185 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 5520  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 43.9  | 31.4  | 47.2  |
| 54       | 47.5  | 41.0  | 61.4  |

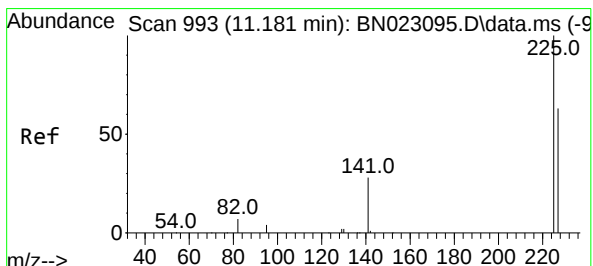
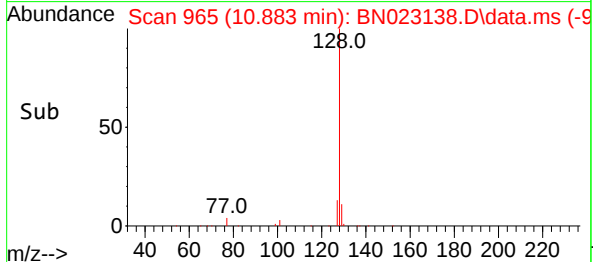
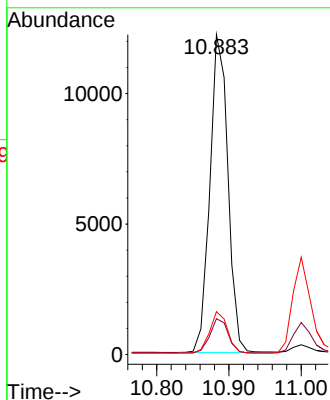
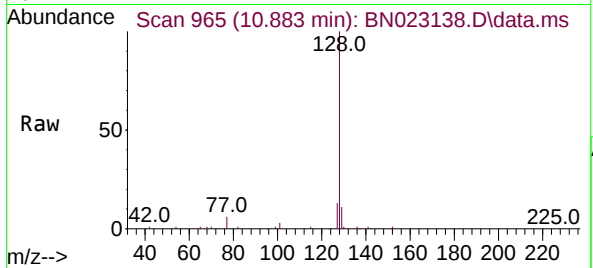




#9  
Naphthalene  
Concen: 0.393 ng  
RT: 10.883 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

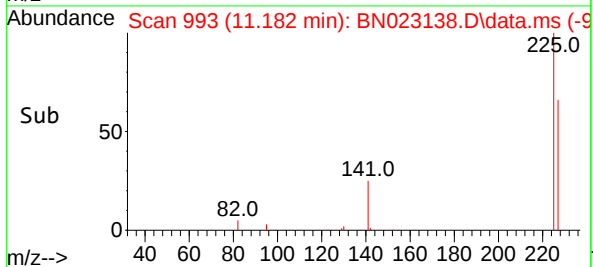
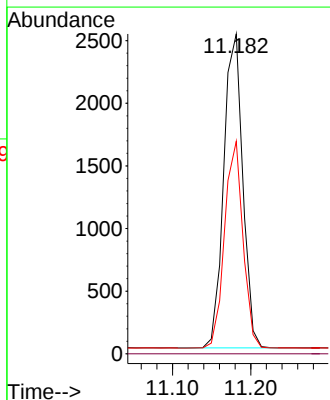
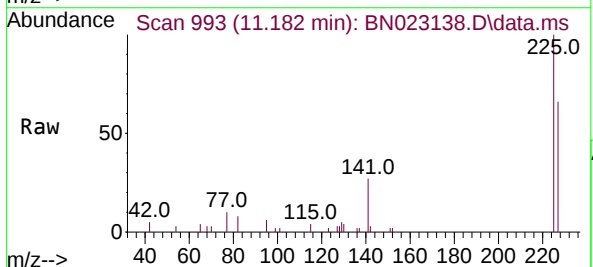
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

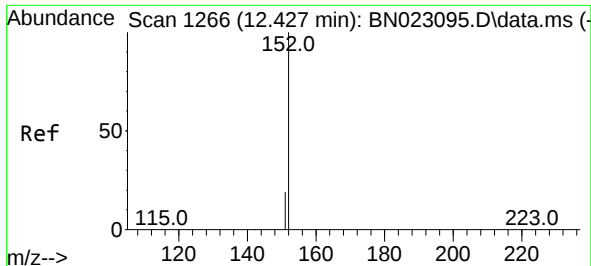
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|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 21167 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.2  | 9.0   | 13.6  |
| 127       | 13.4  | 10.5  | 15.7  |



#10  
Hexachlorobutadiene  
Concen: 0.414 ng  
RT: 11.182 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 4248 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.6  | 51.1  | 76.7 |

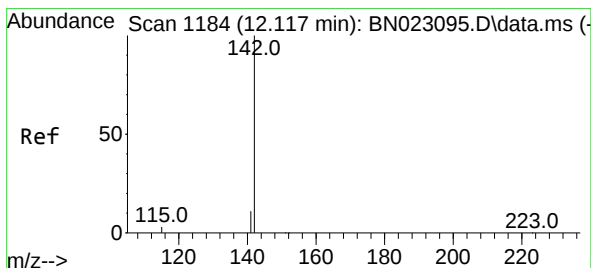
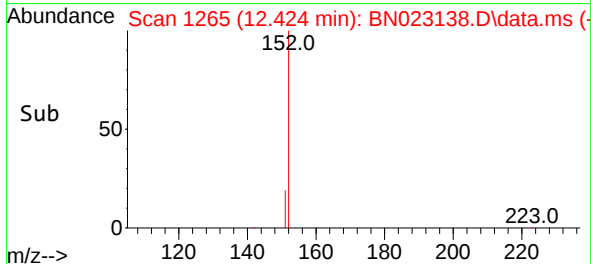
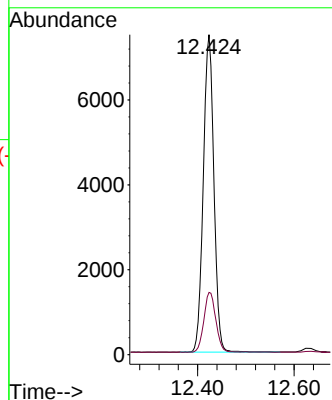
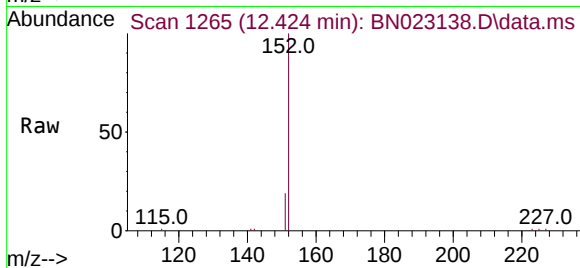




#11  
2-Methylnaphthalene-d10  
Concen: 0.397 ng  
RT: 12.424 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

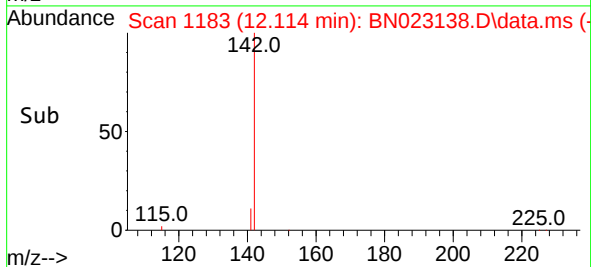
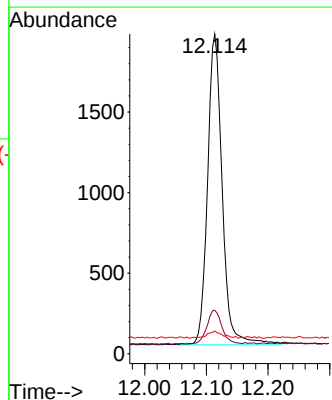
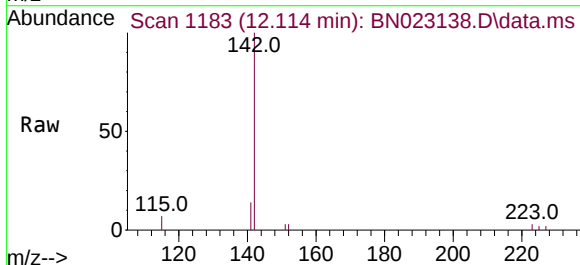
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

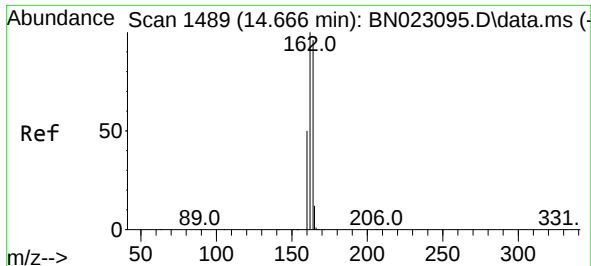
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Ion Ratio Lower Upper  
152 100  
151 17.0 15.1 22.7



#12  
2-Methylnaphthalene  
Concen: 0.397 ng  
RT: 12.114 min Scan# 1183  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:142 Resp: 3187  
Ion Ratio Lower Upper  
142 100  
141 13.6 10.9 16.3  
115 7.1 5.7 8.5

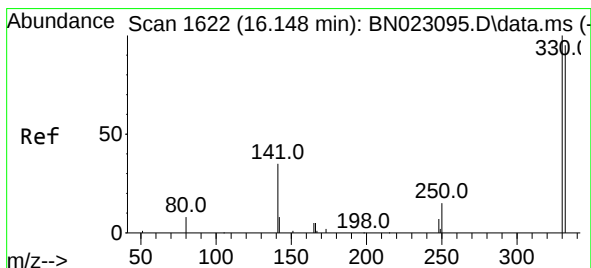
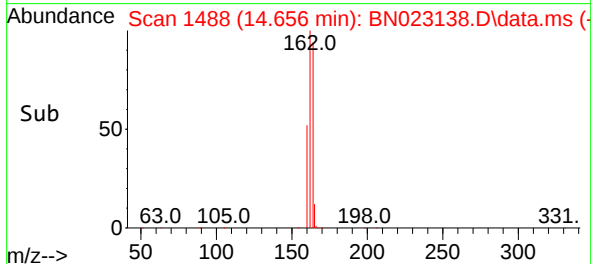
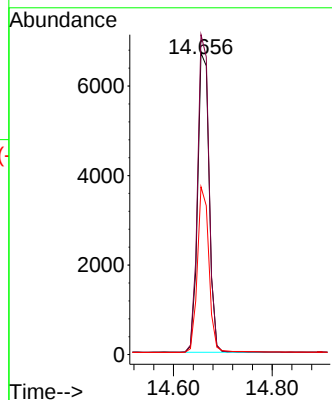
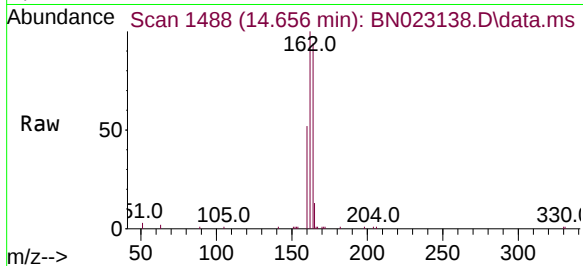




#13  
 Acenaphthene-d10  
 Concen: 0.400 ng  
 RT: 14.656 min Scan# 1488  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

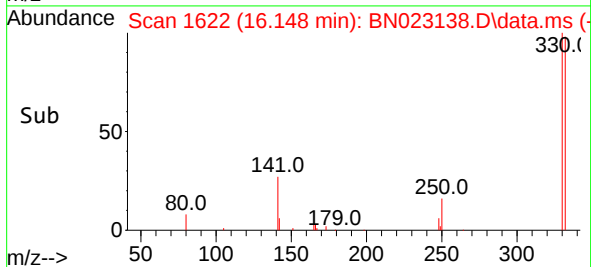
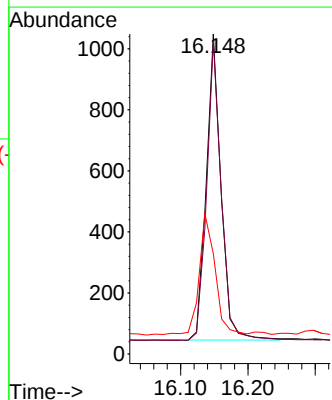
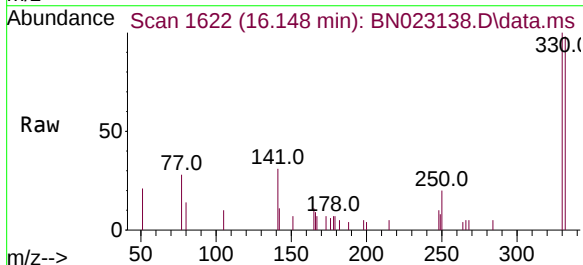
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149511BSD

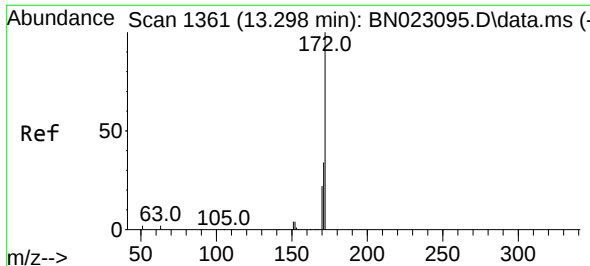
Tgt Ion:164 Resp: 10869  
 Ion Ratio Lower Upper  
 164 100  
 162 106.1 83.4 125.0  
 160 55.6 41.8 62.8



#14  
 2,4,6-Tribromophenol  
 Concen: 0.385 ng  
 RT: 16.148 min Scan# 1622  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Tgt Ion:330 Resp: 1518  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.3 115.9  
 141 42.0 33.5 50.3

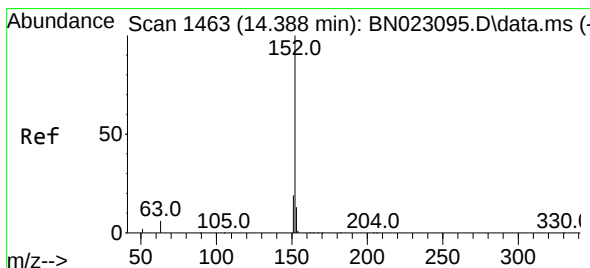
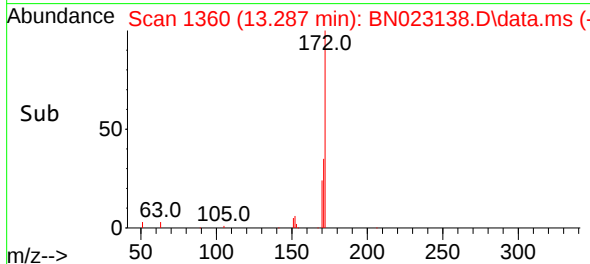
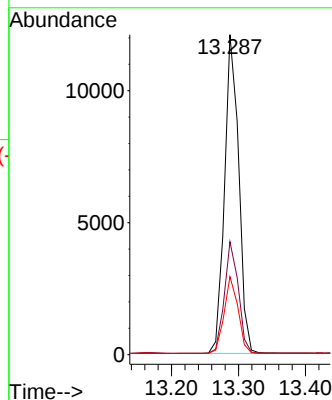
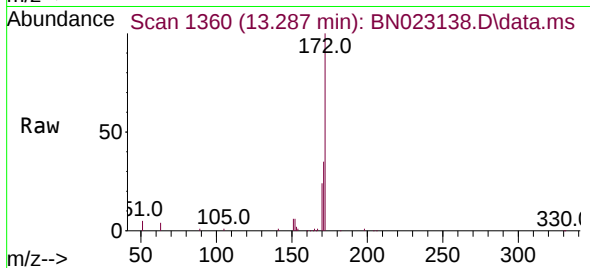




#15  
2-Fluorobiphenyl  
Concen: 0.409 ng  
RT: 13.287 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

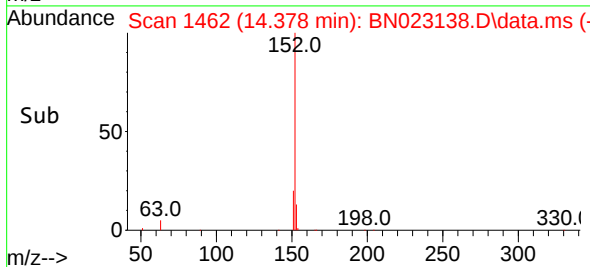
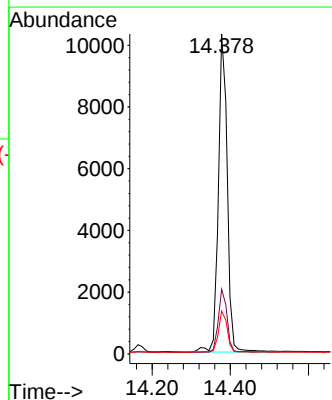
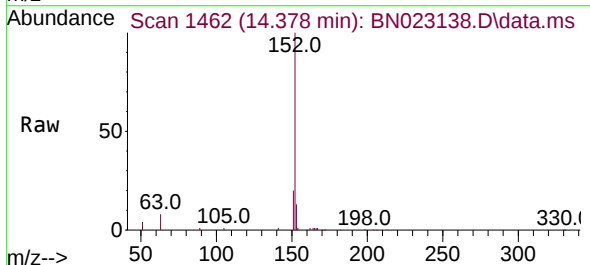
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BNA\_N  
ClientSampleId :  
PB149511BSD

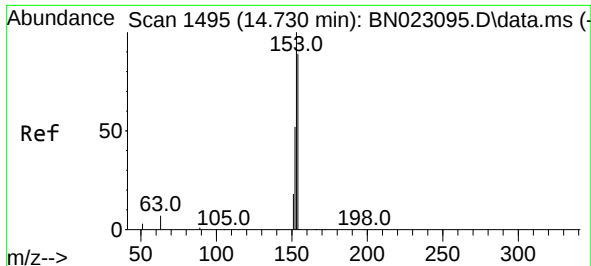
Tgt Ion:172 Resp: 17741  
Ion Ratio Lower Upper  
172 100  
171 35.3 27.4 41.0  
170 24.4 17.9 26.9



#16  
Acenaphthylene  
Concen: 0.375 ng  
RT: 14.378 min Scan# 1462  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:152 Resp: 16403  
Ion Ratio Lower Upper  
152 100  
151 19.3 15.4 23.2  
153 12.8 10.3 15.5

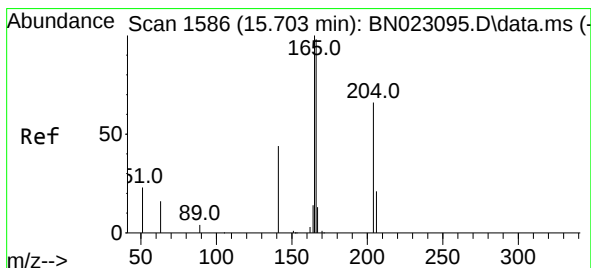
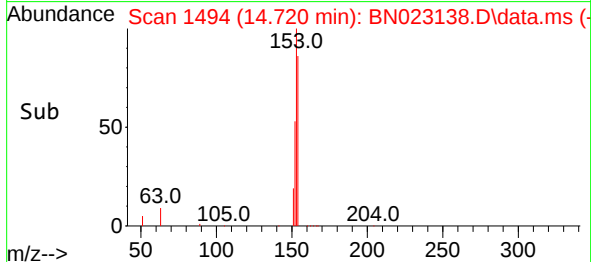
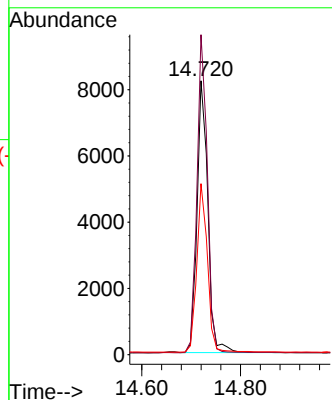
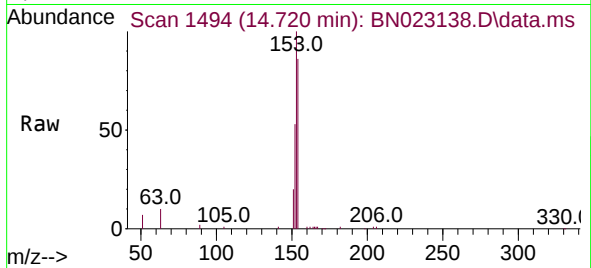




#17  
Acenaphthene  
Concen: 0.387 ng  
RT: 14.720 min Scan# 1495  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

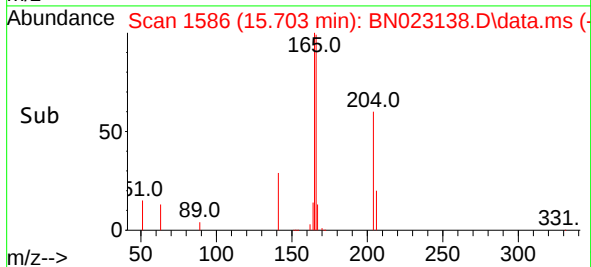
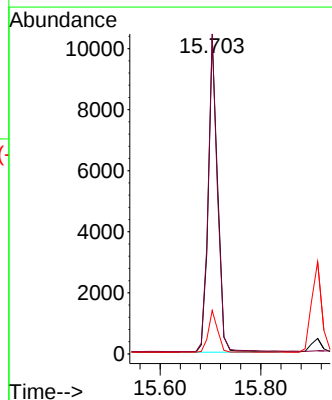
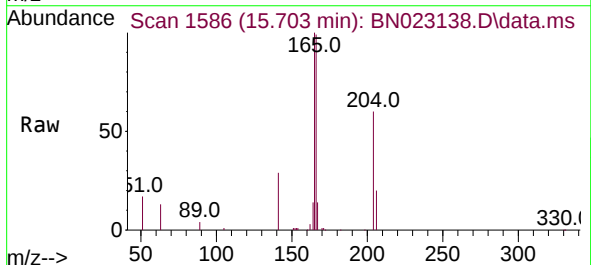
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

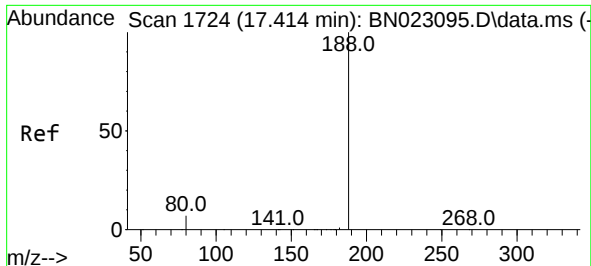
Tgt Ion:154 Resp: 12446  
Ion Ratio Lower Upper  
154 100  
153 112.3 88.6 132.8  
152 61.1 48.1 72.1



#18  
Fluorene  
Concen: 0.393 ng  
RT: 15.703 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:166 Resp: 14136  
Ion Ratio Lower Upper  
166 100  
165 99.3 79.8 119.6  
167 13.3 10.6 16.0

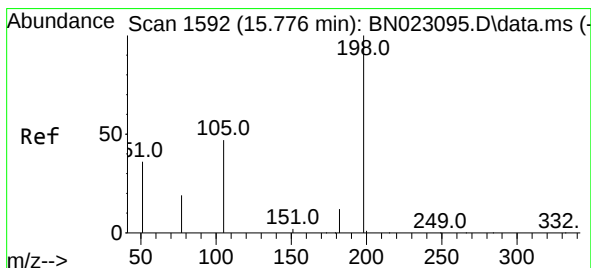
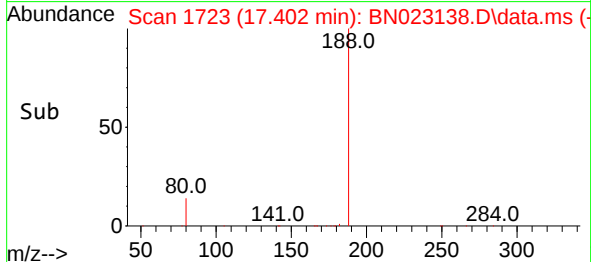
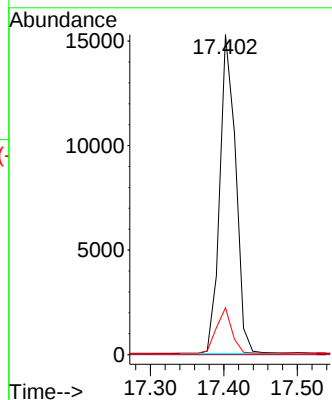
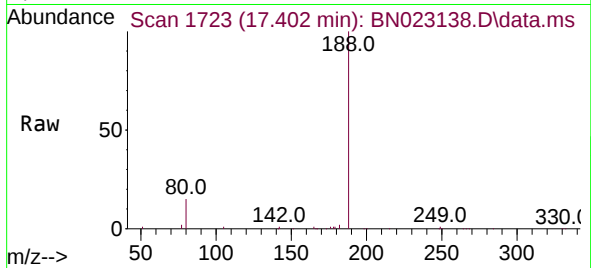




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.402 min Scan# 1723  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

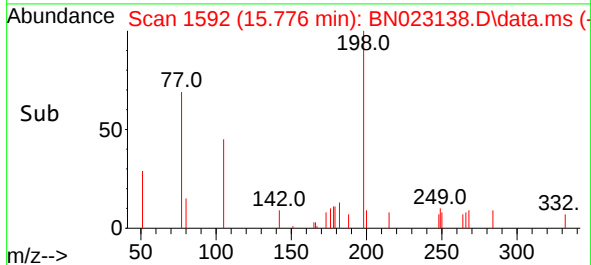
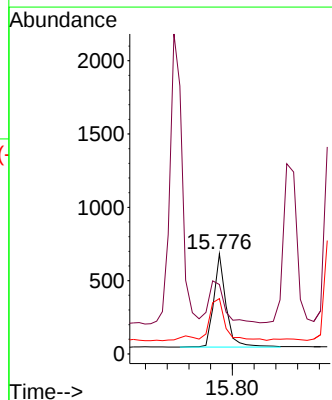
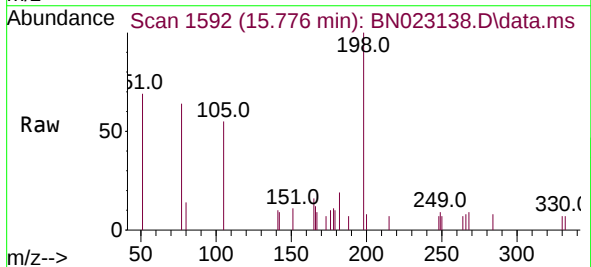
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

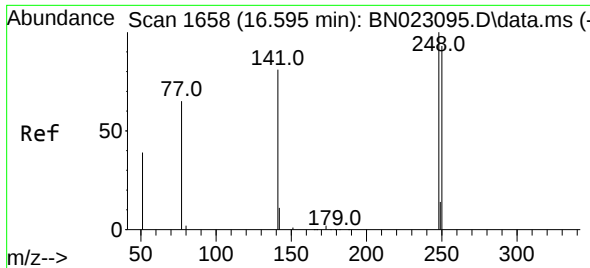
Tgt Ion:188 Resp: 23186  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 14.6 6.1 9.1#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.448 ng  
RT: 15.776 min Scan# 1592  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:198 Resp: 987  
Ion Ratio Lower Upper  
198 100  
51 69.4 57.0 85.4  
105 55.3 47.2 70.8

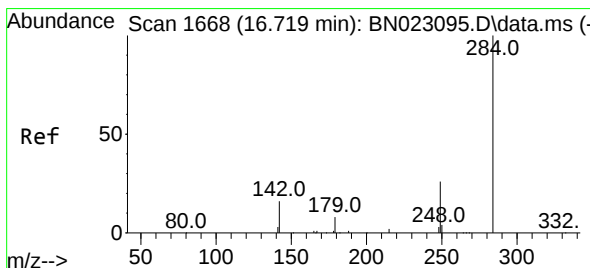
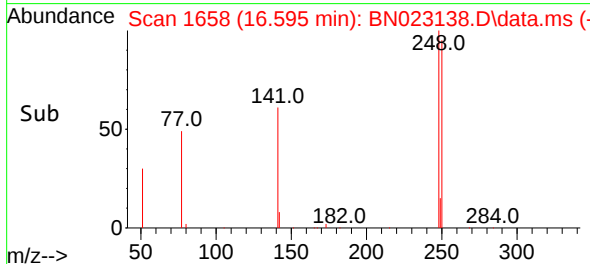
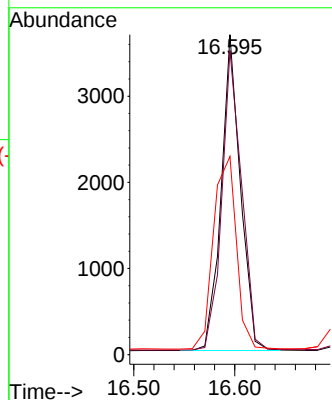
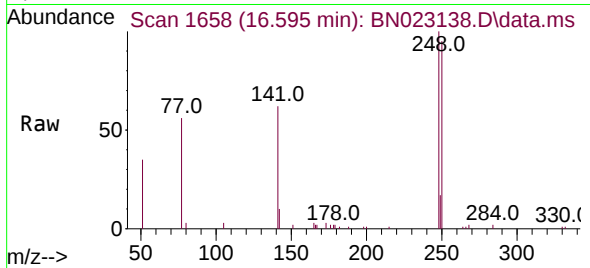




#21  
4-Bromophenyl-phenylether  
Concen: 0.394 ng  
RT: 16.595 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

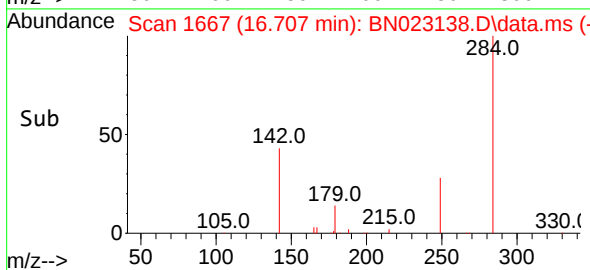
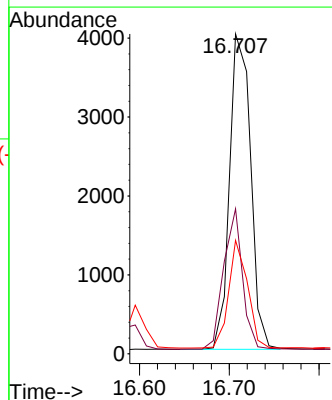
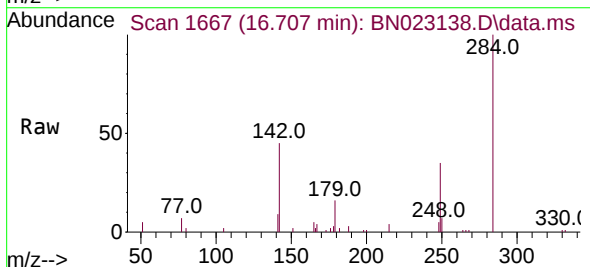
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

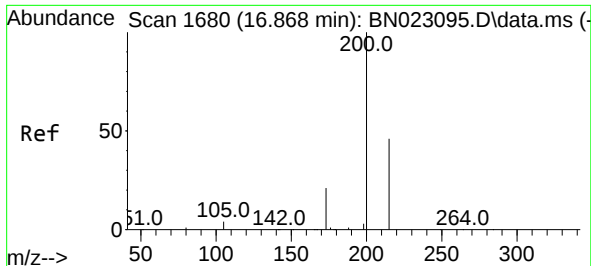
Tgt Ion:248 Resp: 4870  
Ion Ratio Lower Upper  
248 100  
250 95.1 74.3 111.5  
141 61.9 65.0 97.6#



#22  
Hexachlorobenzene  
Concen: 0.403 ng  
RT: 16.707 min Scan# 1667  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:284 Resp: 6535  
Ion Ratio Lower Upper  
284 100  
142 39.8 31.0 46.4  
249 30.6 24.4 36.6

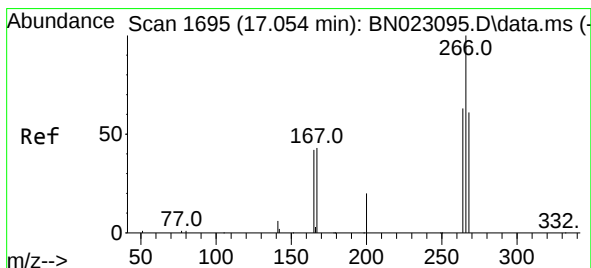
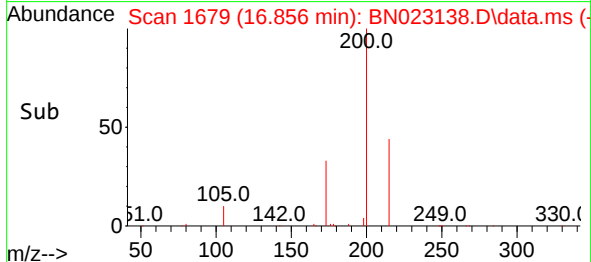
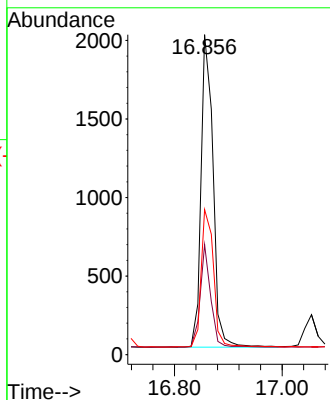
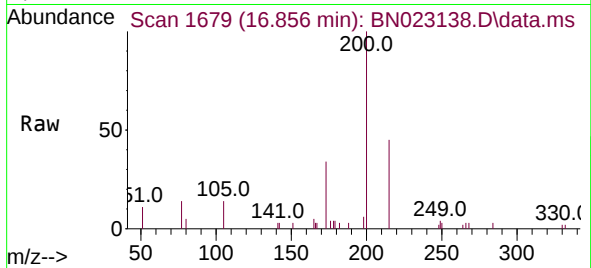




#23  
 Atrazine  
 Concen: 0.354 ng  
 RT: 16.856 min Scan# 1679  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

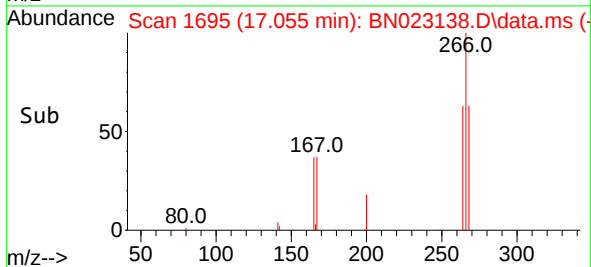
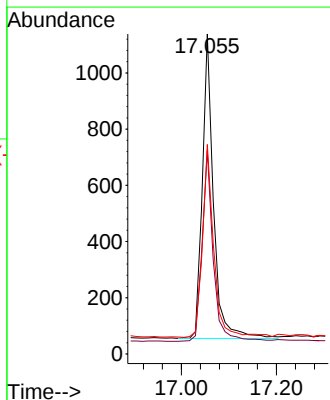
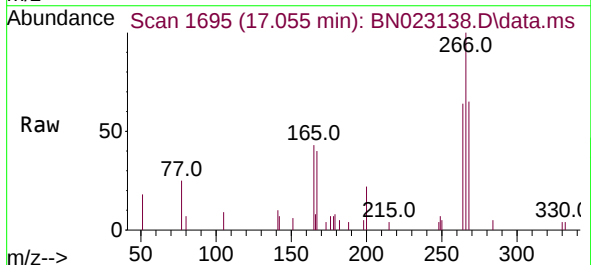
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149511BSD

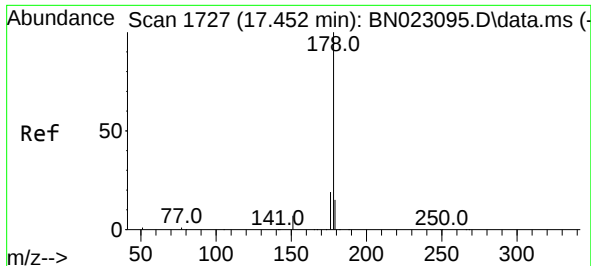
Tgt Ion:200 Resp: 3088  
 Ion Ratio Lower Upper  
 200 100  
 173 34.4 18.2 27.4#  
 215 45.3 38.0 57.0



#24  
 Pentachlorophenol  
 Concen: 0.314 ng  
 RT: 17.055 min Scan# 1695  
 Delta R.T. -0.000 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Tgt Ion:266 Resp: 1766  
 Ion Ratio Lower Upper  
 266 100  
 264 62.0 50.1 75.1  
 268 62.9 49.7 74.5

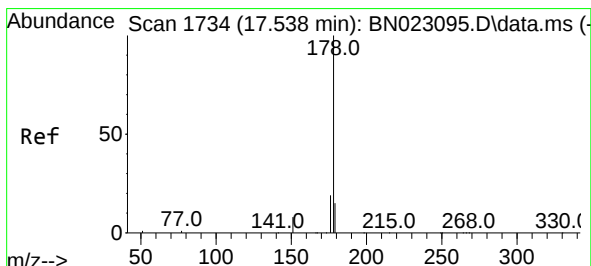
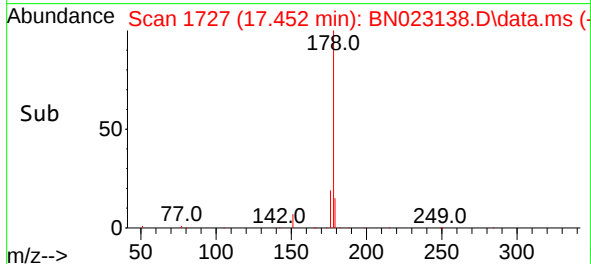
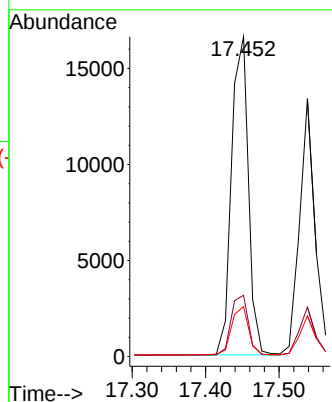
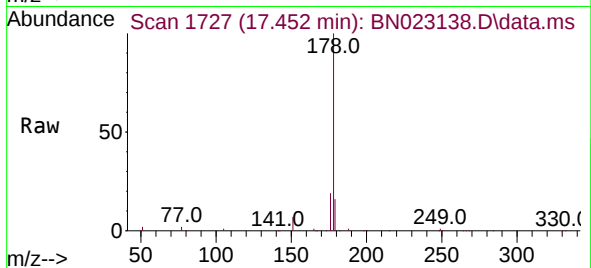




#25  
Phenanthrene  
Concen: 0.386 ng  
RT: 17.452 min Scan# 1727  
Delta R.T. 0.012 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

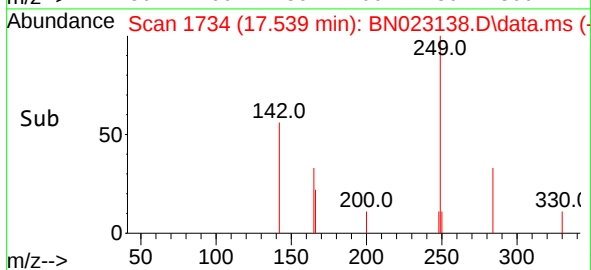
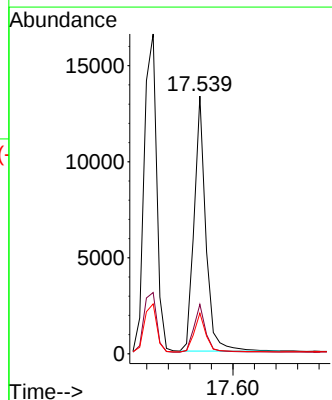
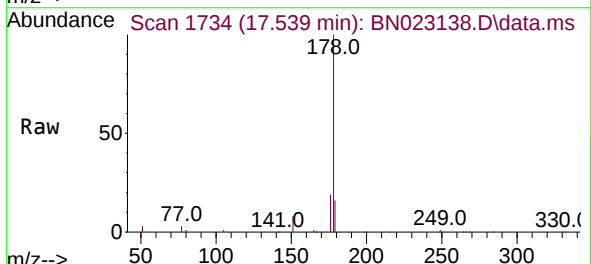
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

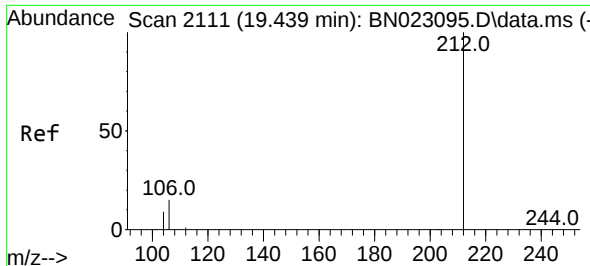
Tgt Ion:178 Resp: 26644  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.364 ng  
RT: 17.539 min Scan# 1734  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:178 Resp: 20027  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.5 12.2 18.4

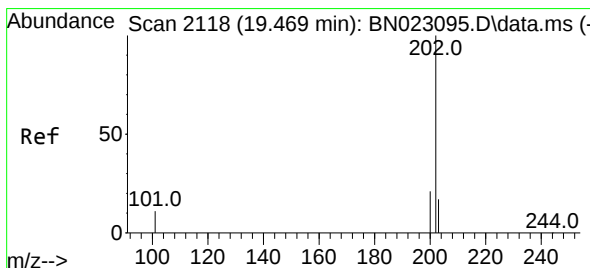
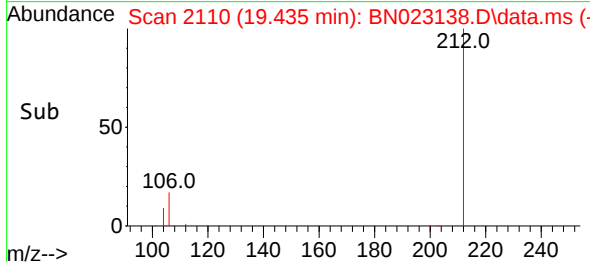
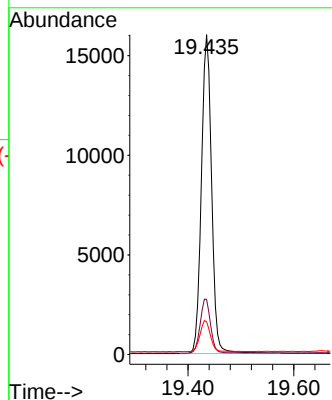
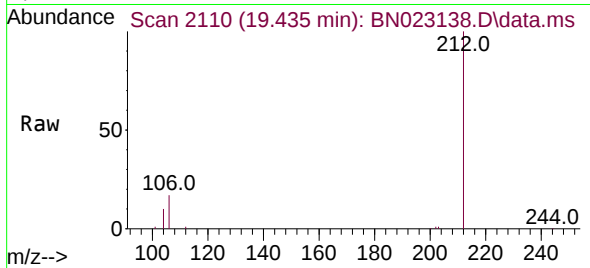




#27  
Fluoranthene-d10  
Concen: 0.394 ng  
RT: 19.435 min Scan# 2110  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

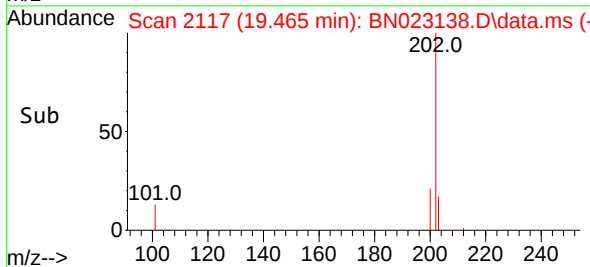
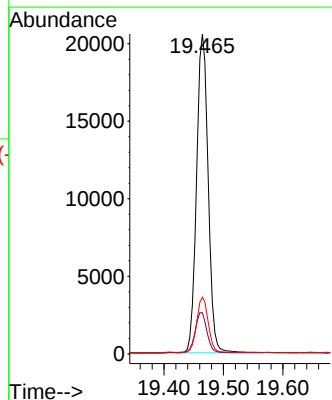
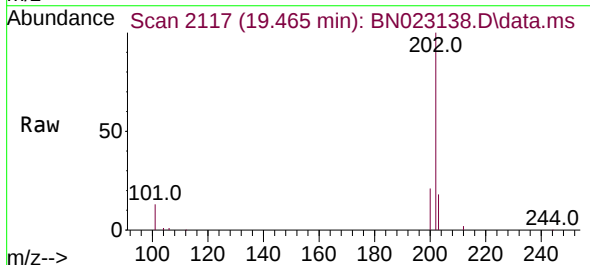
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ClientSampleId :  
PB149511BSD

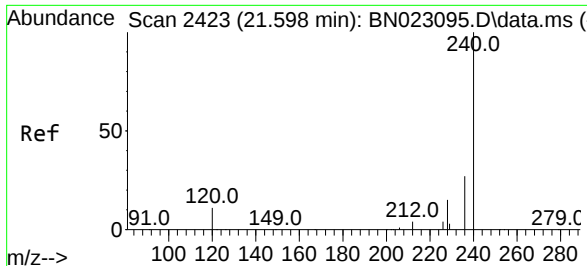
Tgt Ion:212 Resp: 21409  
Ion Ratio Lower Upper  
212 100  
106 17.3 13.0 19.4  
104 9.9 7.5 11.3



#28  
Fluoranthene  
Concen: 0.376 ng  
RT: 19.465 min Scan# 2117  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:202 Resp: 27822  
Ion Ratio Lower Upper  
202 100  
101 13.0 9.7 14.5  
203 17.1 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.589 min Scan# 2423

Delta R.T. -0.000 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

Instrument :

BNA\_N

ClientSampleId :

PB149511BSD

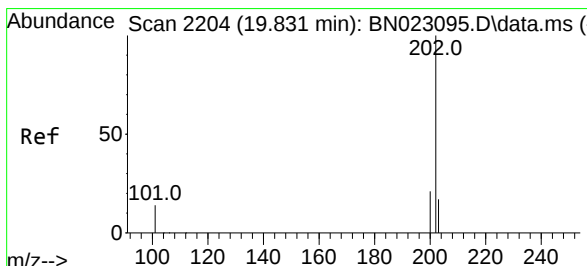
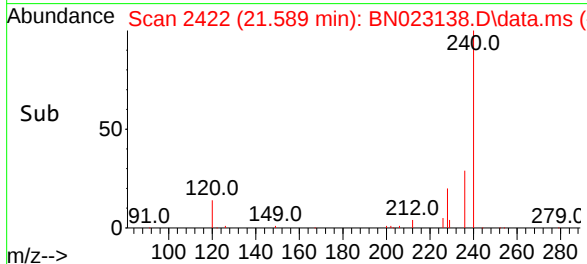
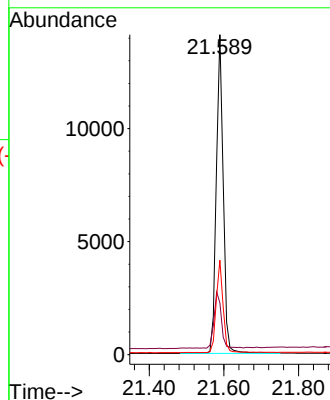
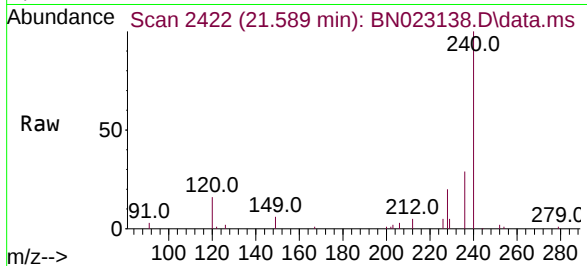
Tgt Ion:240 Resp: 18454

Ion Ratio Lower Upper

240 100

120 16.2 10.1 15.1#

236 29.5 22.2 33.4



#30

Pyrene

Concen: 0.403 ng

RT: 19.827 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

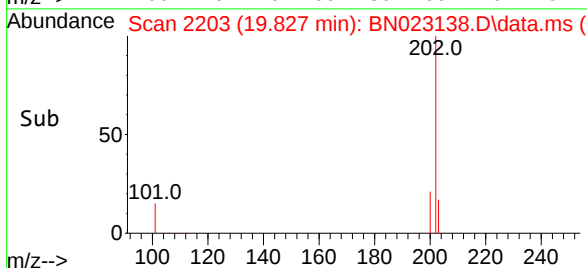
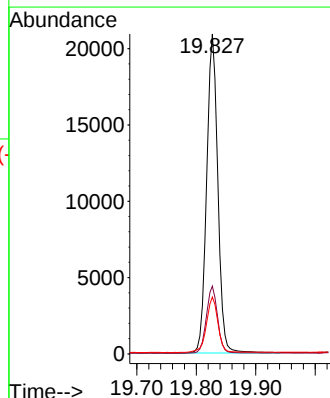
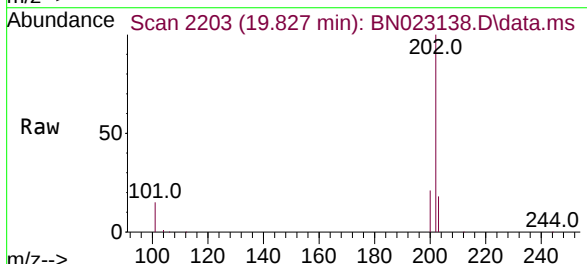
Tgt Ion:202 Resp: 27245

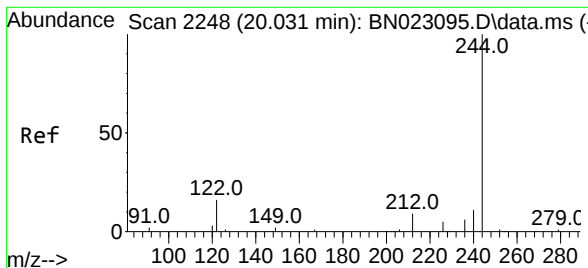
Ion Ratio Lower Upper

202 100

200 21.1 16.9 25.3

203 17.8 14.2 21.4





#31

Terphenyl-d14

Concen: 0.378 ng

RT: 20.031 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

Instrument :

BNA\_N

ClientSampleId :

PB149511BSD

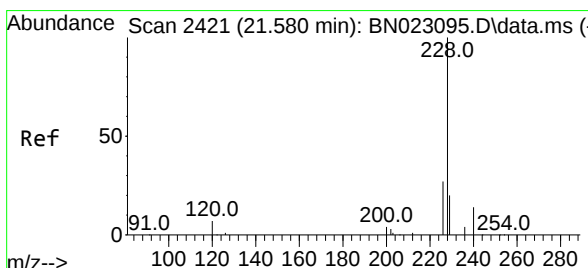
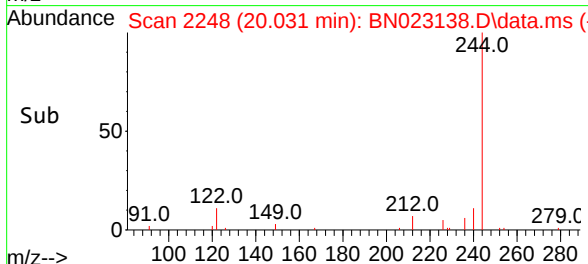
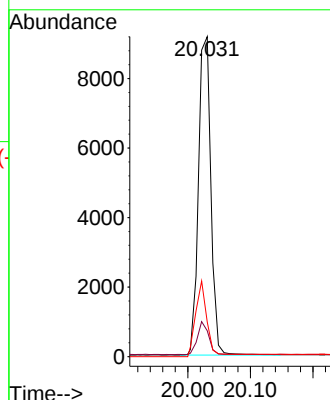
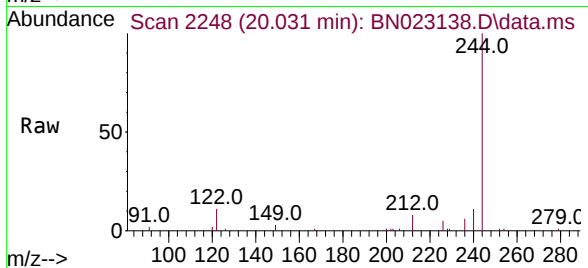
Tgt Ion:244 Resp: 11338

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

122 10.8 12.6 18.8#



#32

Benzo(a)anthracene

Concen: 0.377 ng

RT: 21.571 min Scan# 2420

Delta R.T. -0.000 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

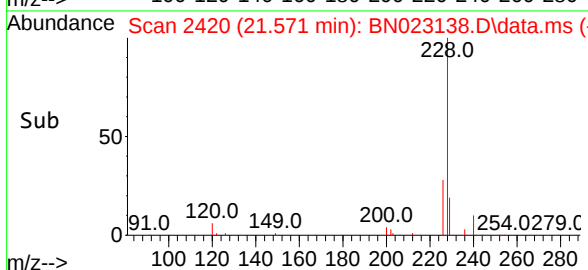
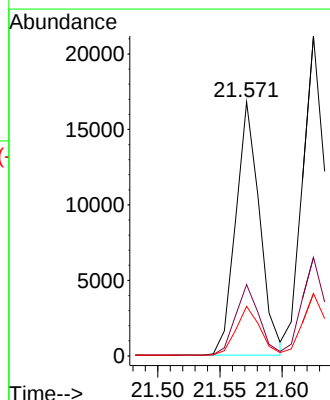
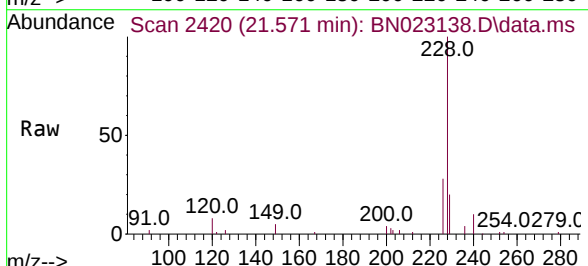
Tgt Ion:228 Resp: 22411

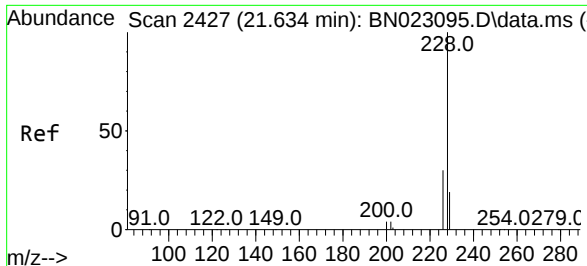
Ion Ratio Lower Upper

228 100

226 28.1 22.0 33.0

229 19.5 15.8 23.8

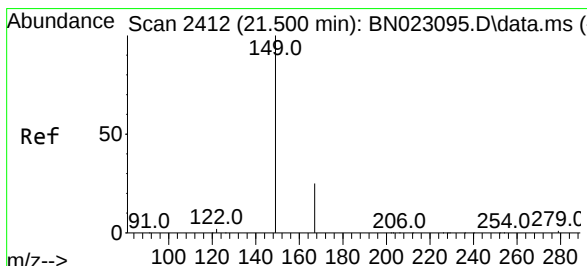
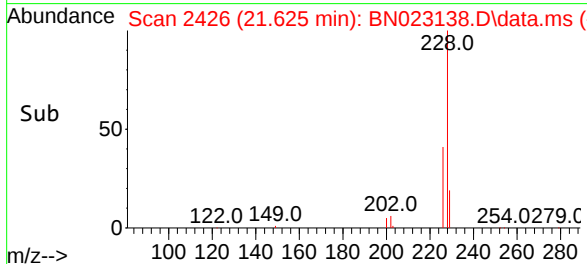
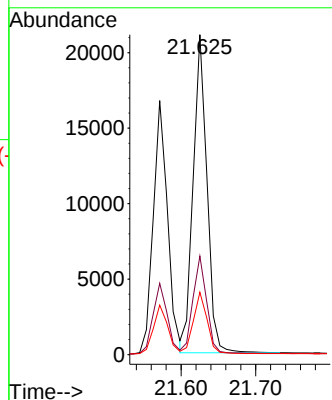
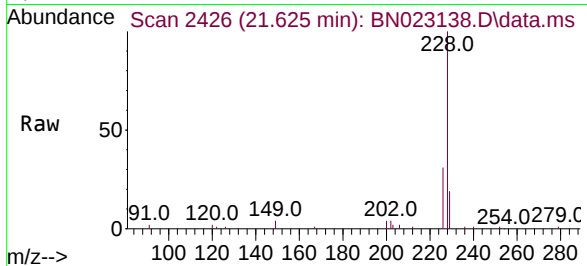




#33  
Chrysene  
Concen: 0.405 ng  
RT: 21.625 min Scan# 2426  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

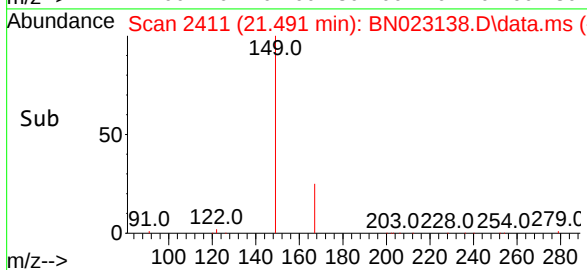
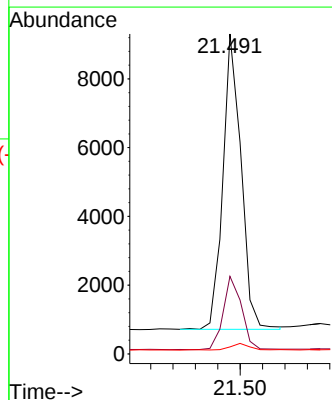
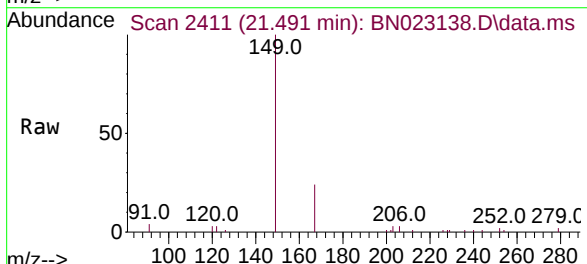
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

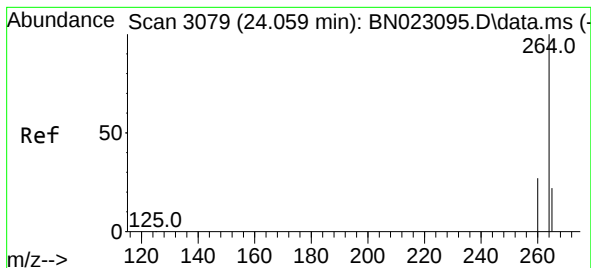
Tgt Ion:228 Resp: 27080  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.4 36.6  
229 19.5 15.6 23.4



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.384 ng  
RT: 21.491 min Scan# 2411  
Delta R.T. -0.000 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

Tgt Ion:149 Resp: 9657  
Ion Ratio Lower Upper  
149 100  
167 25.0 20.2 30.2  
279 2.5 2.3 3.5





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.047 min Scan# 3075

Delta R.T. -0.003 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

Instrument :

BNA\_N

ClientSampleId :

PB149511BSD

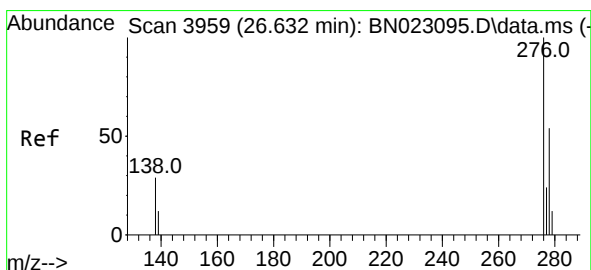
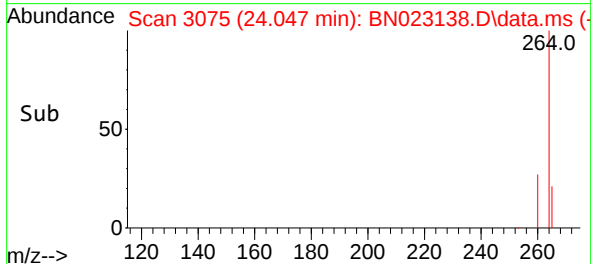
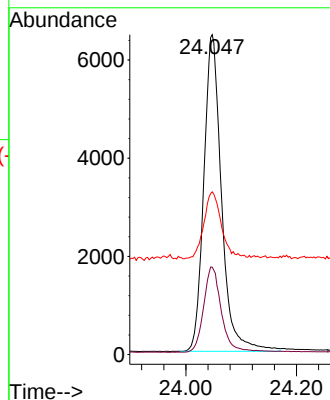
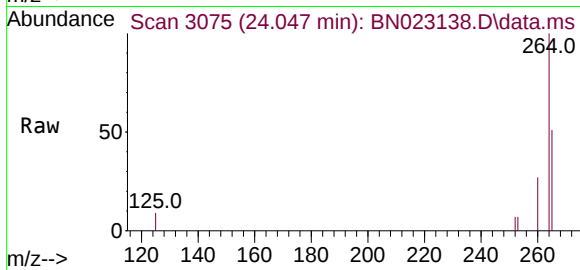
Tgt Ion:264 Resp: 14377

Ion Ratio Lower Upper

264 100

260 27.3 21.7 32.5

265 50.9 43.2 64.8



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.394 ng

RT: 26.614 min Scan# 3953

Delta R.T. -0.003 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

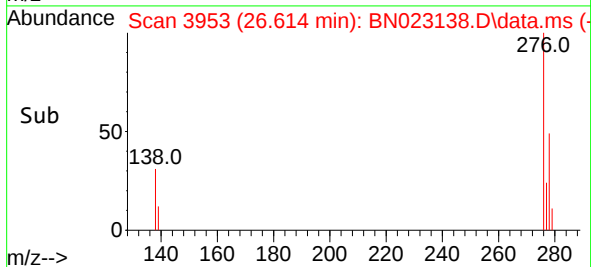
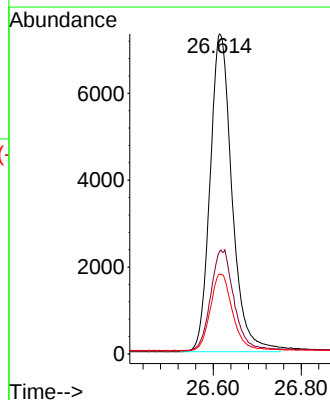
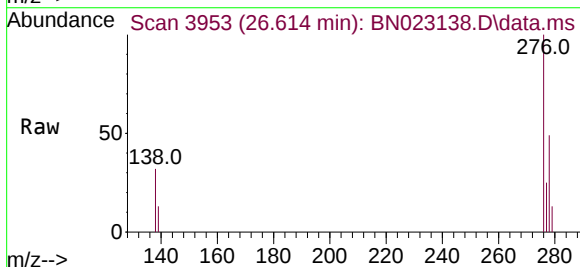
Tgt Ion:276 Resp: 25395

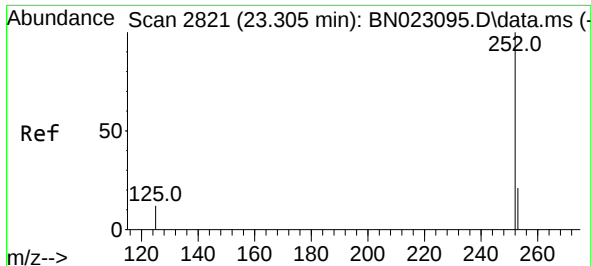
Ion Ratio Lower Upper

276 100

138 33.4 25.0 37.6

277 24.3 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.403 ng

RT: 23.293 min Scan# 2817

Delta R.T. -0.003 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

Instrument :

BNA\_N

ClientSampleId :

PB149511BSD

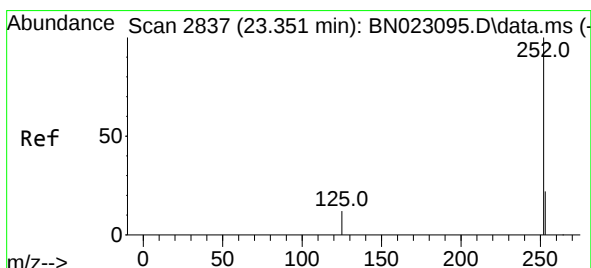
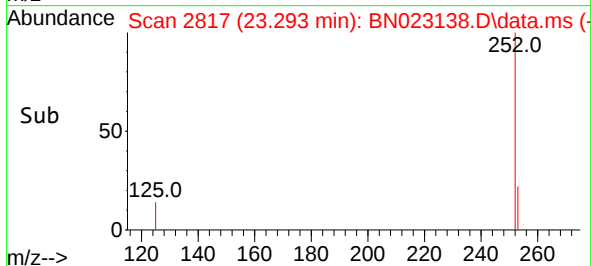
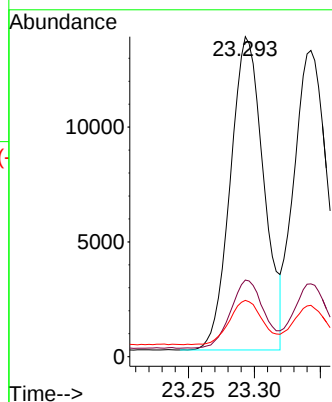
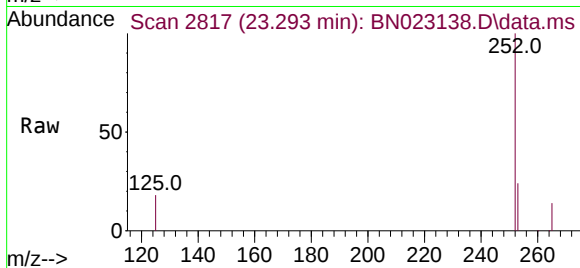
Tgt Ion:252 Resp: 24013

Ion Ratio Lower Upper

252 100

253 23.9 19.0 28.4

125 17.6 12.8 19.2



#38

Benzo(k)fluoranthene

Concen: 0.387 ng

RT: 23.343 min Scan# 2834

Delta R.T. -0.003 min

Lab File: BN023138.D

Acq: 12 Dec 2022 16:47

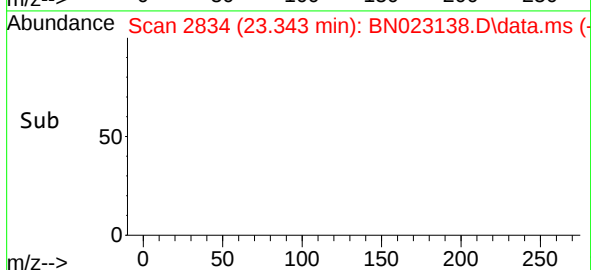
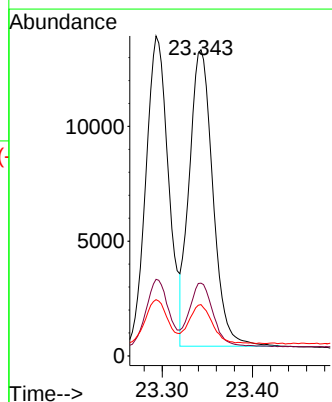
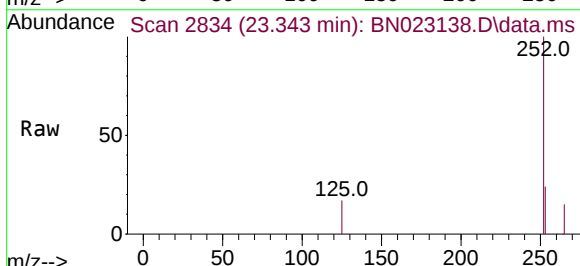
Tgt Ion:252 Resp: 23436

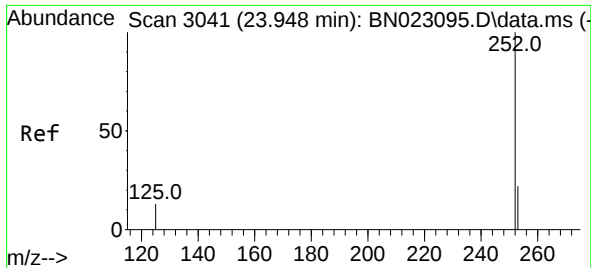
Ion Ratio Lower Upper

252 100

253 23.8 19.1 28.7

125 16.8 12.5 18.7

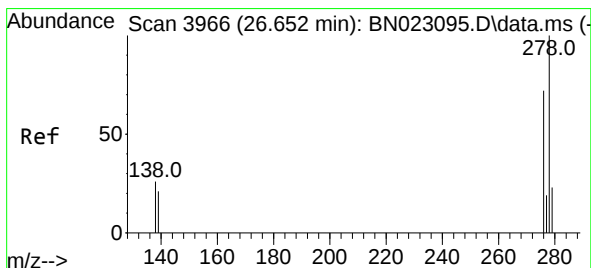
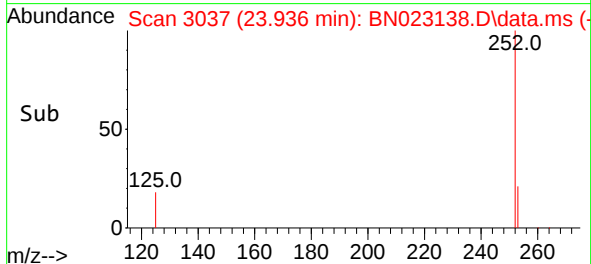
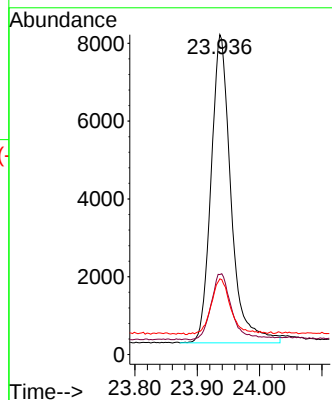
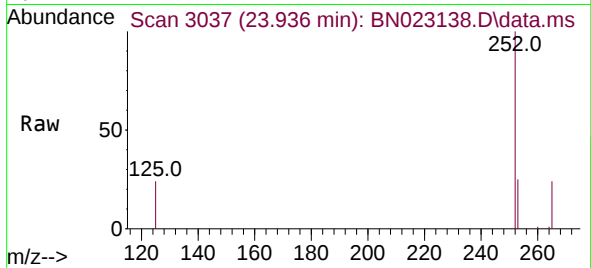




#39  
Benzo(a)pyrene  
Concen: 0.393 ng  
RT: 23.936 min Scan# 3041  
Delta R.T. -0.006 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

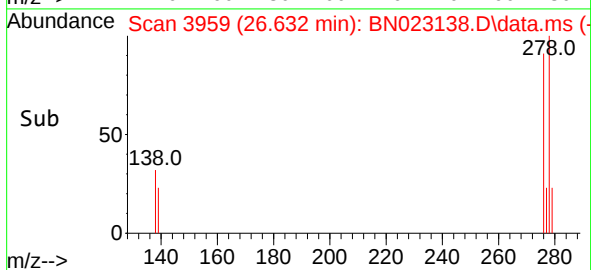
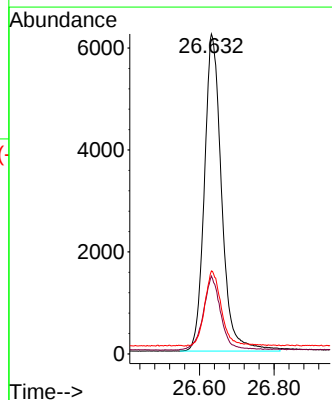
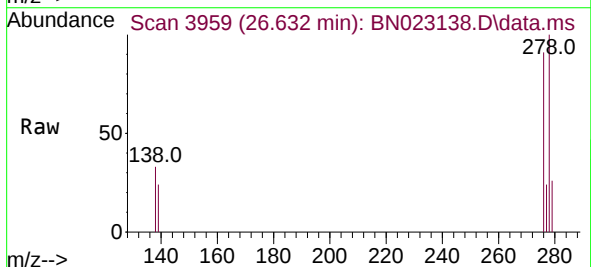
Instrument :  
BNA\_N  
ClientSampleId :  
PB149511BSD

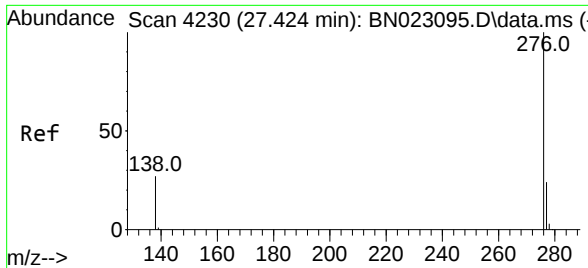
Tgt Ion:252 Resp: 17568  
Ion Ratio Lower Upper  
252 100  
253 25.0 20.6 30.8  
125 23.7 15.8 23.8



#40  
Dibenzo(a,h)anthracene  
Concen: 0.386 ng  
RT: 26.632 min Scan# 3959  
Delta R.T. -0.006 min  
Lab File: BN023138.D  
Acq: 12 Dec 2022 16:47

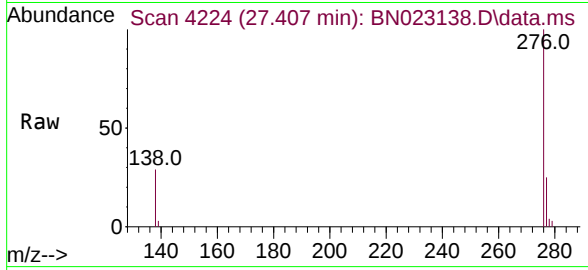
Tgt Ion:278 Resp: 19989  
Ion Ratio Lower Upper  
278 100  
139 24.3 17.5 26.3  
279 25.9 20.5 30.7





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.378 ng  
 RT: 27.407 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: BN023138.D  
 Acq: 12 Dec 2022 16:47

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB149511BSD



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 20906 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 24.6  | 19.9  | 29.9  |
| 138       | 29.2  | 22.2  | 33.2  |

