

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071822\  
 Data File : BN020759.D  
 Acq On : 18 Jul 2022 16:35  
 Operator : CG/JU  
 Sample : PB146276BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB146276BS

Quant Time: Jul 19 03:54:17 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN062622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 16 03:21:59 2022  
 Response via : Initial Calibration

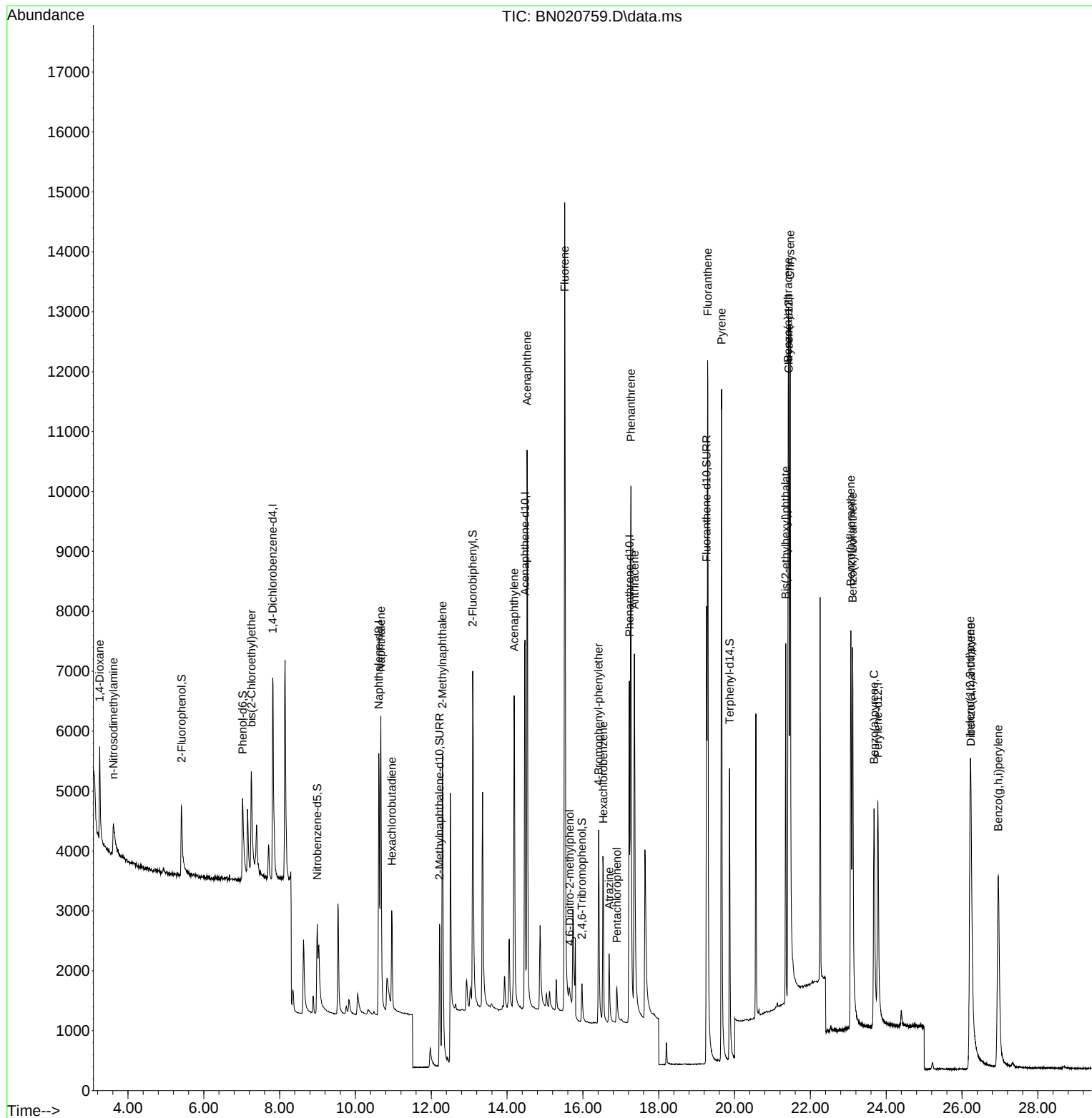
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.818  | 152  | 2080     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.616 | 136  | 6900     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.474 | 164  | 4353     | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.226 | 188  | 9659     | 0.400 | ng    | 0.01     |
| 29) Chrysene-d12              | 21.431 | 240  | 7887     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.782 | 264  | 6526     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.413  | 112  | 1655     | 0.287 | ng    | 0.01     |
| 5) Phenol-d6                  | 7.024  | 99   | 2089     | 0.303 | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 1856     | 0.332 | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.219 | 152  | 4398     | 0.372 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.974 | 330  | 450      | 0.274 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.095 | 172  | 6288     | 0.350 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.261 | 212  | 10174    | 0.355 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.868 | 244  | 7120     | 0.378 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.254  | 88   | 931      | 0.341 | ng    | 95       |
| 3) n-Nitrosodimethylamine     | 3.615  | 42   | 673      | 0.271 | ng    | # 92     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 1919     | 0.323 | ng    | 92       |
| 9) Naphthalene                | 10.669 | 128  | 7634     | 0.370 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.957 | 225  | 1370     | 0.365 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.295 | 142  | 5042     | 0.368 | ng    | 98       |
| 16) Acenaphthylene            | 14.185 | 152  | 7108     | 0.340 | ng    | 99       |
| 17) Acenaphthene              | 14.527 | 154  | 5216     | 0.366 | ng    | 96       |
| 18) Fluorene                  | 15.522 | 166  | 6816     | 0.367 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.650 | 198  | 260      | 0.363 | ng    | # 34     |
| 21) 4-Bromophenyl-phenylether | 16.415 | 248  | 1895     | 0.337 | ng    | 95       |
| 22) Hexachlorobenzene         | 16.538 | 284  | 2214     | 0.356 | ng    | 95       |
| 23) Atrazine                  | 16.692 | 200  | 1307     | 0.295 | ng    | 99       |
| 24) Pentachlorophenol         | 16.897 | 266  | 453      | 0.411 | ng    | 97       |
| 25) Phenanthrene              | 17.267 | 178  | 11335    | 0.348 | ng    | 100      |
| 26) Anthracene                | 17.359 | 178  | 9029     | 0.322 | ng    | 100      |
| 28) Fluoranthene              | 19.291 | 202  | 12751    | 0.359 | ng    | 99       |
| 30) Pyrene                    | 19.657 | 202  | 12842    | 0.385 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.413 | 228  | 8597     | 0.305 | ng    | 97       |
| 33) Chrysene                  | 21.467 | 228  | 11637    | 0.373 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.351 | 149  | 5349     | 0.337 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.214 | 276  | 9240     | 0.318 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.068 | 252  | 9334     | 0.371 | ng    | 96       |
| 38) Benzo(k)fluoranthene      | 23.115 | 252  | 9666     | 0.361 | ng    | 95       |
| 39) Benzo(a)pyrene            | 23.682 | 252  | 7628     | 0.350 | ng    | # 90     |
| 40) Dibenzo(a,h)anthracene    | 26.238 | 278  | 7043     | 0.302 | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 26.957 | 276  | 8679     | 0.341 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071822\  
Data File : BN020759.D  
Acq On : 18 Jul 2022 16:35  
Operator : CG/JU  
Sample : PB146276BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

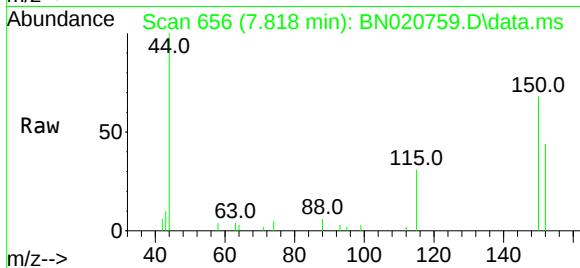
Quant Time: Jul 19 03:54:17 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN062622.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Jul 16 03:21:59 2022  
Response via : Initial Calibration



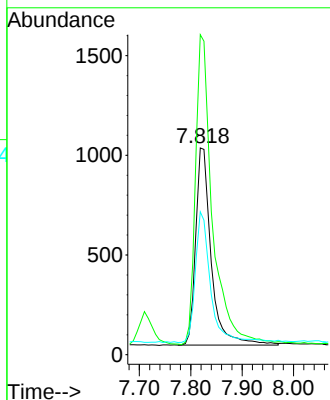
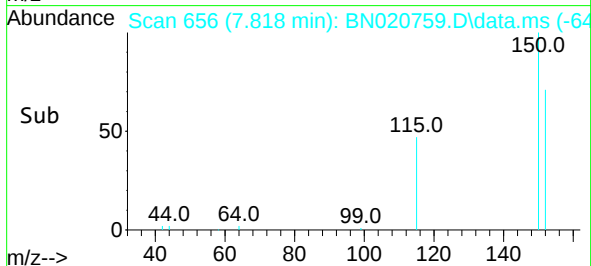


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.818 min Scan# 61  
 Delta R.T. 0.007 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

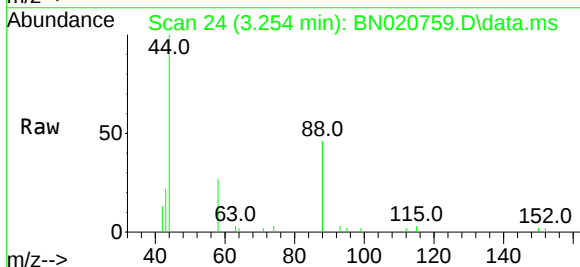
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB146276BS



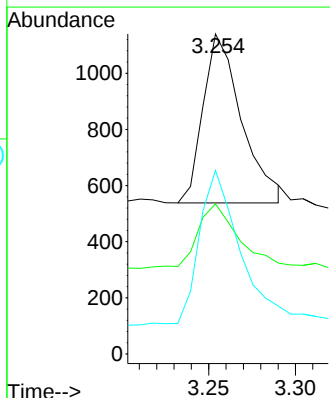
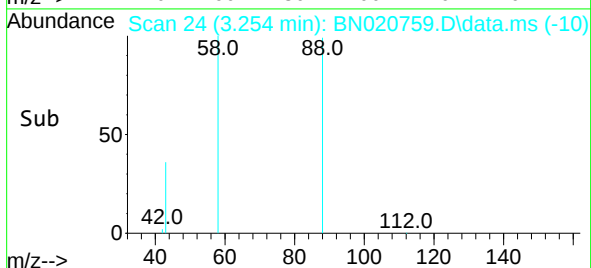
Tgt Ion: 152 Resp: 2080  
 Ion Ratio Lower Upper  
 152 100  
 150 154.8 127.9 191.9  
 115 69.1 51.4 77.2

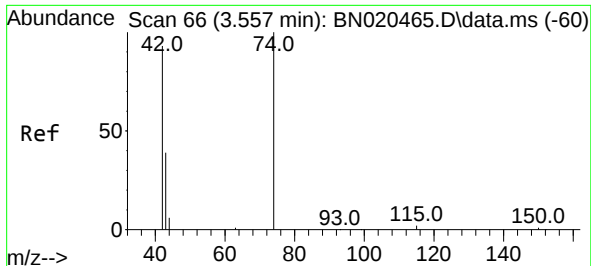


#2  
 1,4-Dioxane  
 Concen: 0.341 ng  
 RT: 3.254 min Scan# 24  
 Delta R.T. 0.000 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35



Tgt Ion: 88 Resp: 931  
 Ion Ratio Lower Upper  
 88 100  
 43 40.7 30.2 45.2  
 58 96.7 73.0 109.6

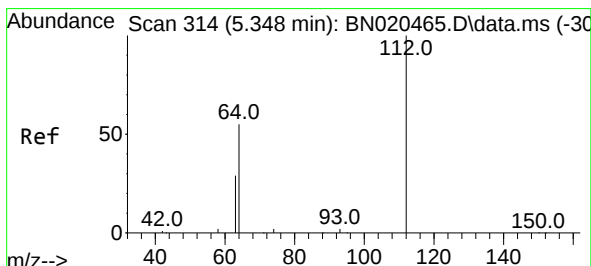
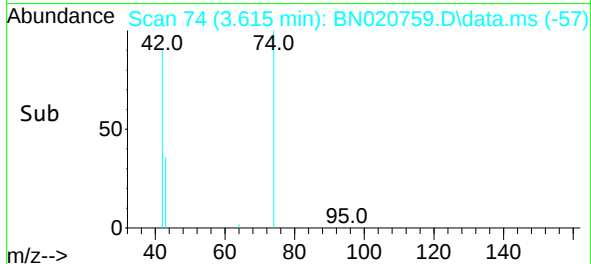
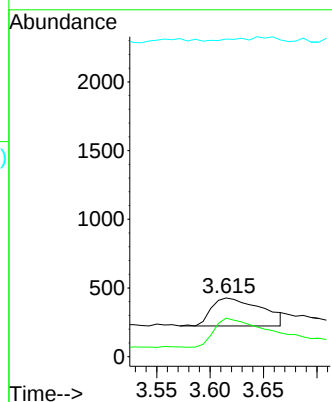
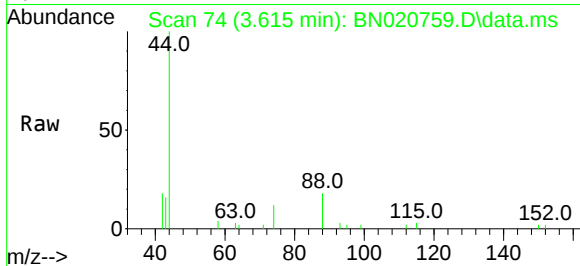




#3  
n-Nitrosodimethylamine  
Concen: 0.271 ng  
RT: 3.615 min Scan# 74  
Delta R.T. 0.022 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

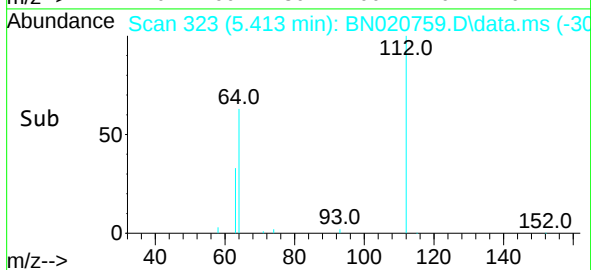
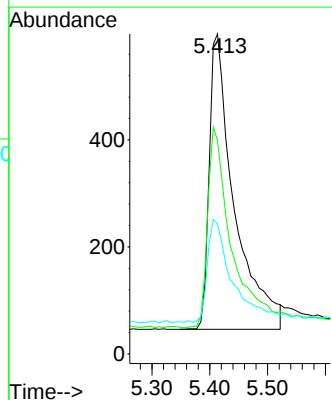
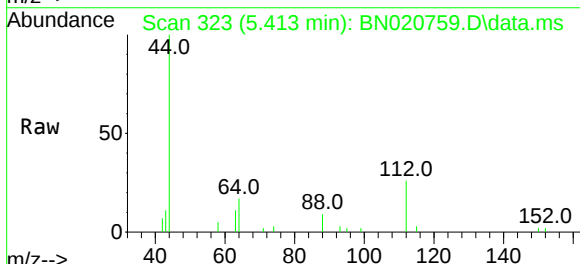
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion: 42 Resp: 673  
Ion Ratio Lower Upper  
42 100  
74 99.3 84.0 126.0  
44 0.0 9.8 14.8#



#4  
2-Fluorophenol  
Concen: 0.287 ng  
RT: 5.413 min Scan# 323  
Delta R.T. 0.015 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Tgt Ion: 112 Resp: 1655  
Ion Ratio Lower Upper  
112 100  
64 65.2 49.1 73.7  
63 34.5 26.3 39.5

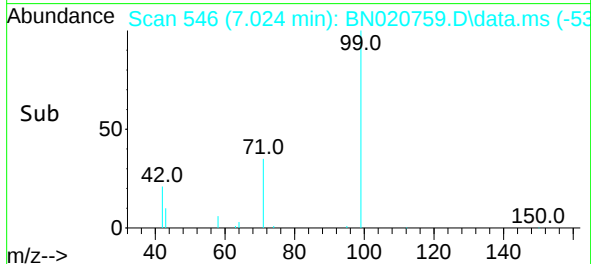
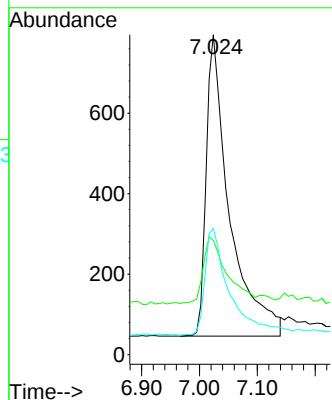
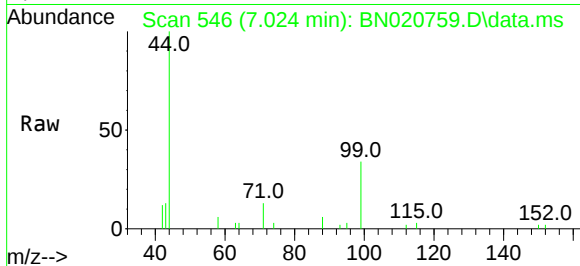




#5  
Phenol-d6  
Concen: 0.303 ng  
RT: 7.024 min Scan# 54  
Delta R.T. 0.015 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

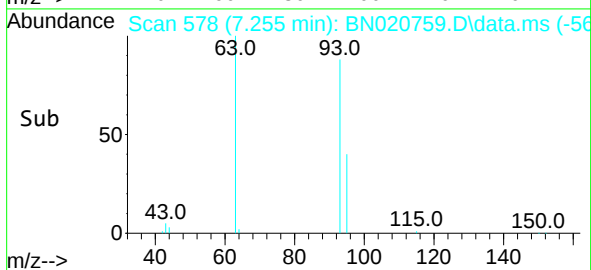
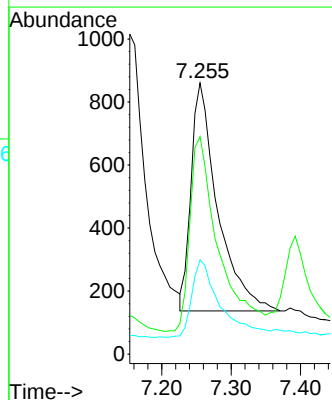
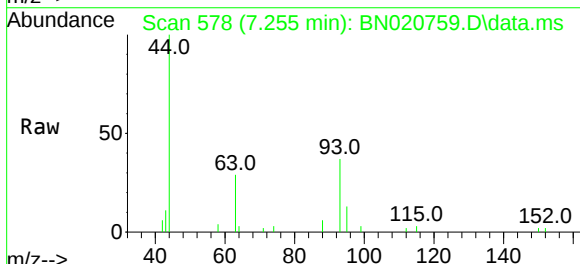
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion: 99 Resp: 2089  
Ion Ratio Lower Upper  
99 100  
42 22.5 19.3 28.9  
71 37.5 27.5 41.3



#6  
bis(2-Chloroethyl)ether  
Concen: 0.323 ng  
RT: 7.255 min Scan# 578  
Delta R.T. 0.015 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Tgt Ion: 93 Resp: 1919  
Ion Ratio Lower Upper  
93 100  
63 92.3 67.4 101.0  
95 36.9 26.5 39.7

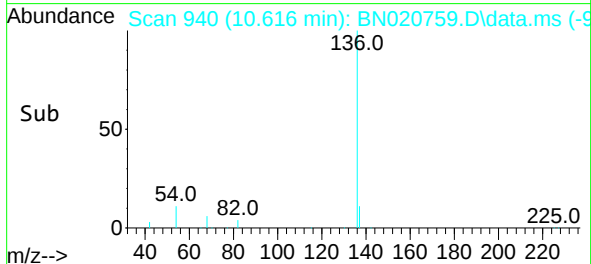
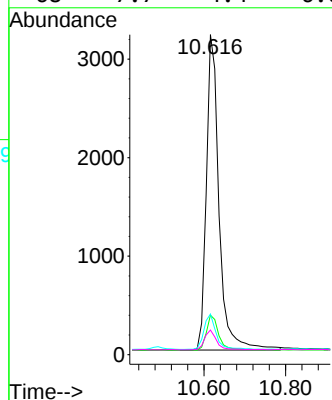
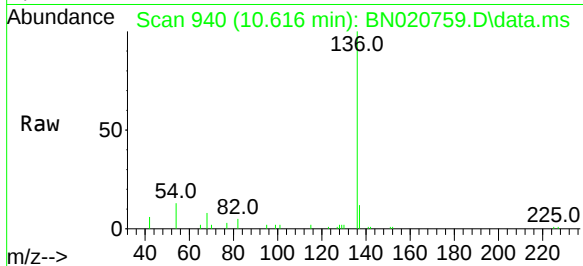




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.616 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

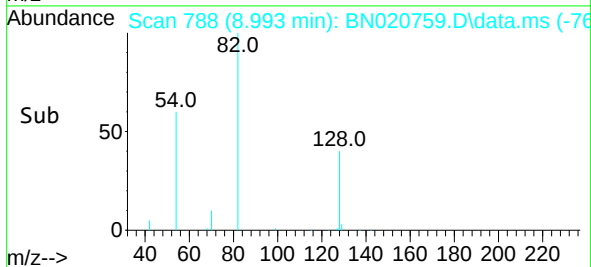
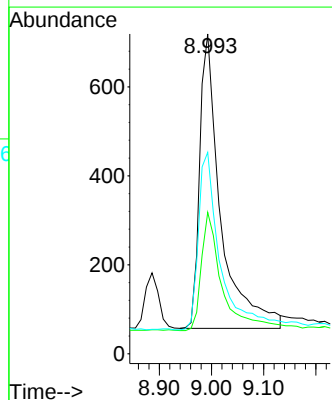
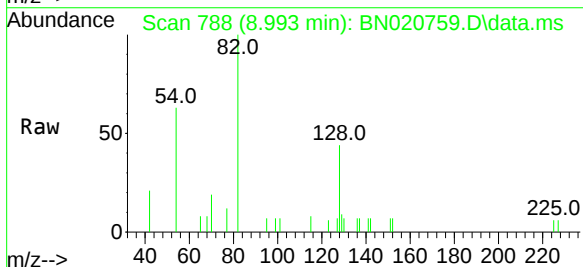
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 136   | Resp: | 6900 |
| Ion Ratio | Lower | Upper |      |
| 136       | 100   |       |      |
| 137       | 12.3  | 9.0   | 13.6 |
| 54        | 12.7  | 6.2   | 9.2# |
| 68        | 7.7   | 4.4   | 6.6# |



#8  
Nitrobenzene-d5  
Concen: 0.332 ng  
RT: 8.993 min Scan# 788  
Delta R.T. 0.021 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1856 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 44.2  | 35.0  | 52.6 |
| 54        | 63.0  | 46.2  | 69.4 |

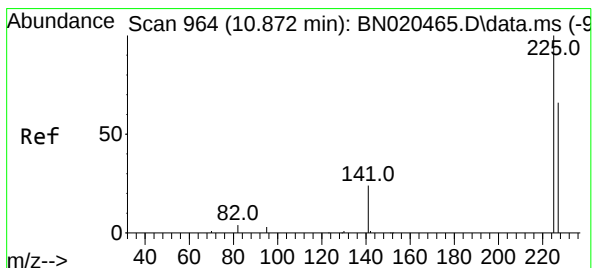
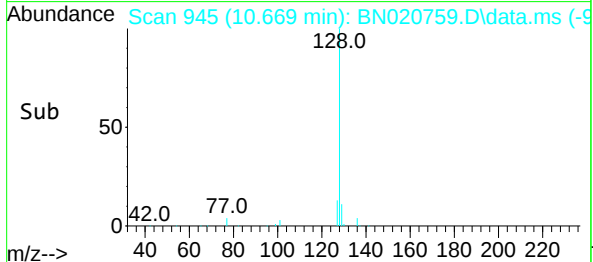
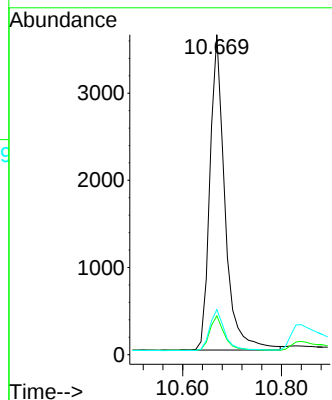
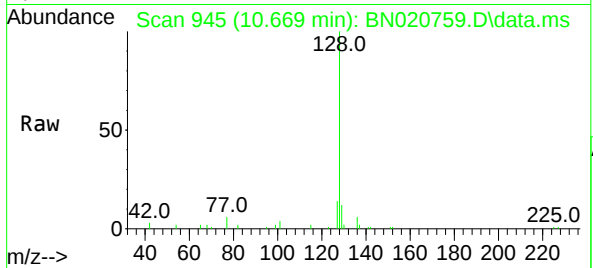




#9  
Naphthalene  
Concen: 0.370 ng  
RT: 10.669 min Scan# 945  
Delta R.T. 0.011 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

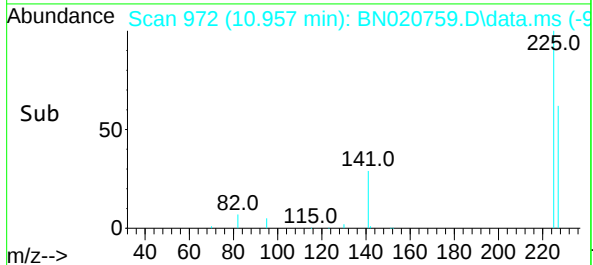
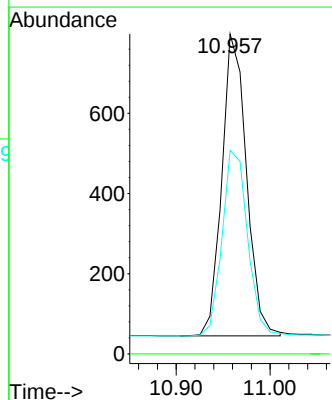
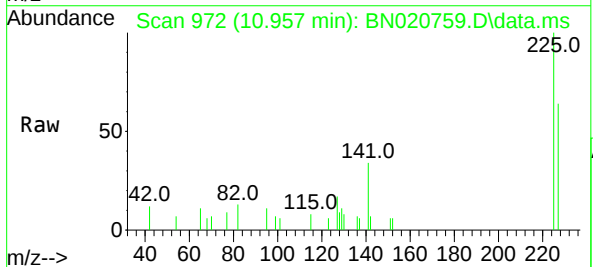
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion:128 Resp: 7634  
Ion Ratio Lower Upper  
128 100  
129 12.2 8.9 13.3  
127 14.1 10.8 16.2



#10  
Hexachlorobutadiene  
Concen: 0.365 ng  
RT: 10.957 min Scan# 972  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Tgt Ion:225 Resp: 1370  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.6 50.9 76.3

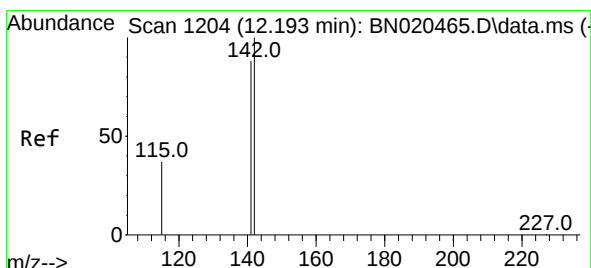
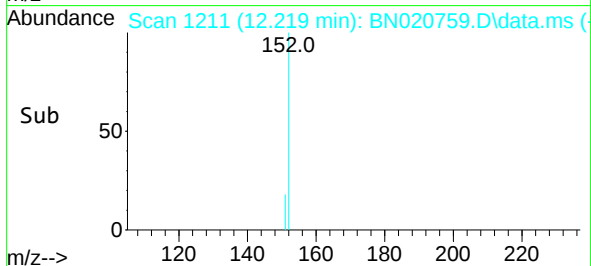
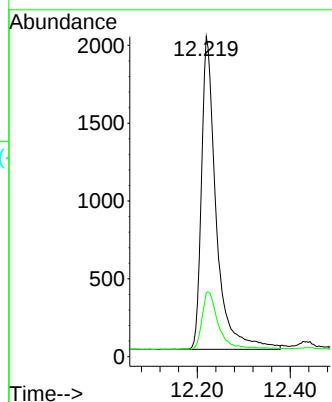
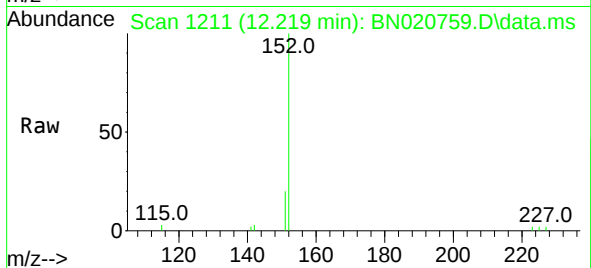




#11  
2-Methylnaphthalene-d10  
Concen: 0.372 ng  
RT: 12.219 min Scan# 1185  
Delta R.T. 0.008 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

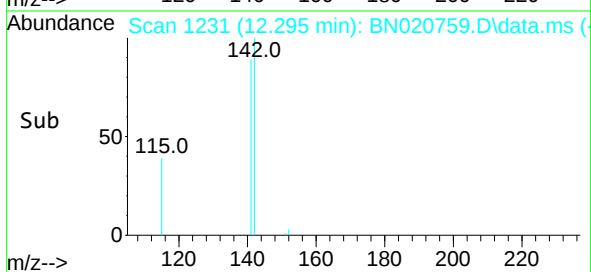
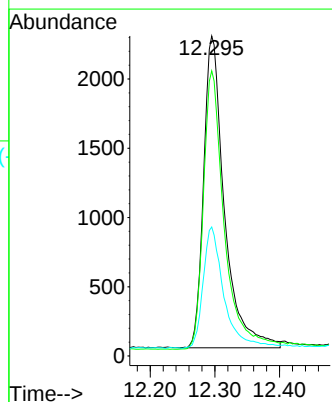
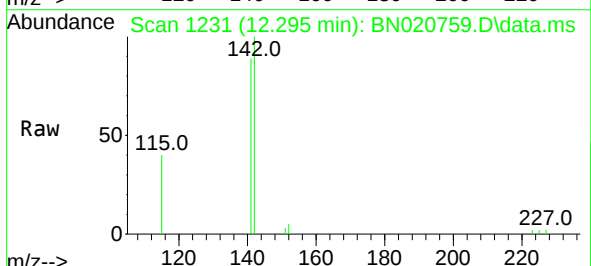
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion:152 Resp: 4398  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.4



#12  
2-Methylnaphthalene  
Concen: 0.368 ng  
RT: 12.295 min Scan# 1231  
Delta R.T. 0.008 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Tgt Ion:142 Resp: 5042  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.6 107.4  
115 40.3 29.8 44.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.474 min Scan# 14

Delta R.T. 0.011 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

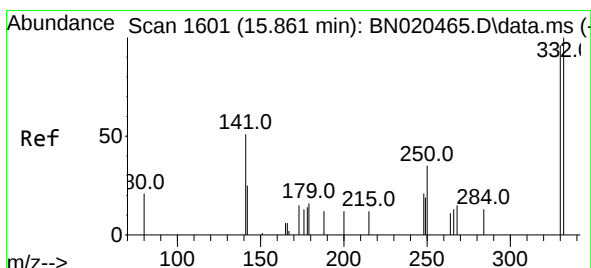
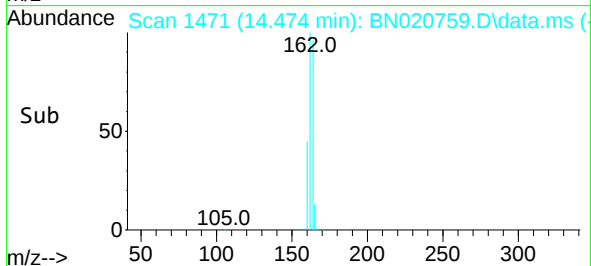
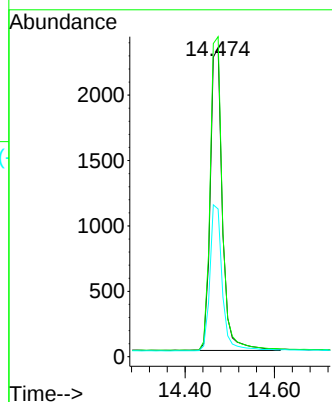
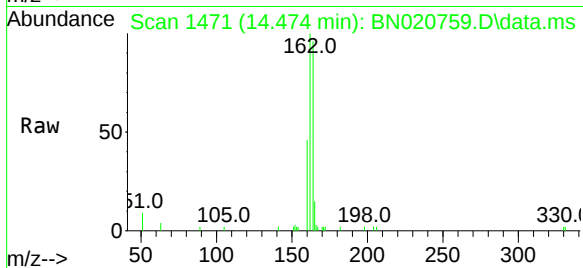
Tgt Ion:164 Resp: 4353

Ion Ratio Lower Upper

164 100

162 103.6 82.1 123.1

160 47.8 38.6 58.0



#14

2,4,6-Tribromophenol

Concen: 0.274 ng

RT: 15.974 min Scan# 1612

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

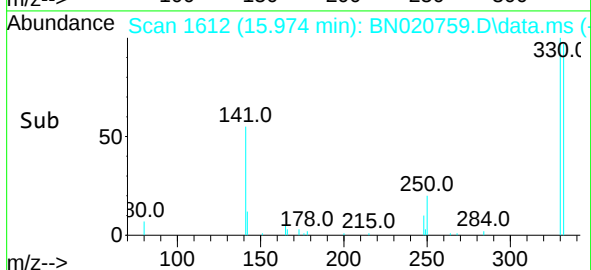
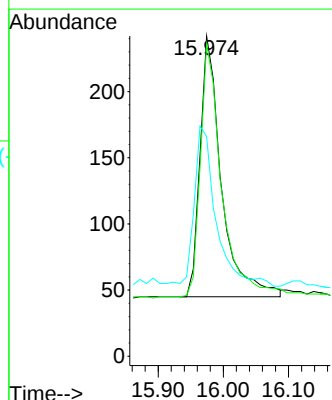
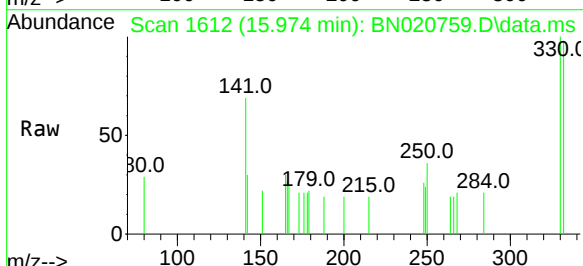
Tgt Ion:330 Resp: 450

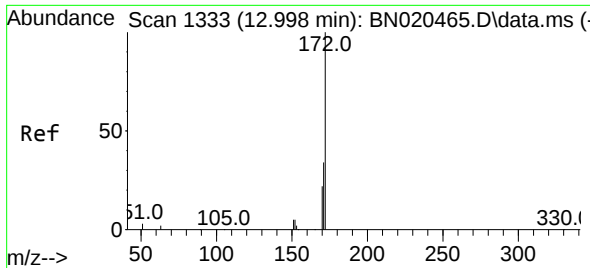
Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 62.4 41.0 61.4#

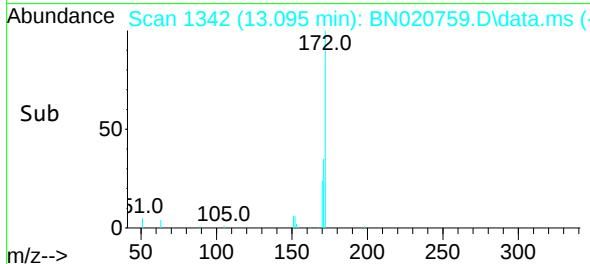
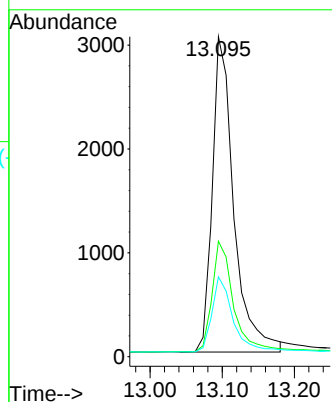
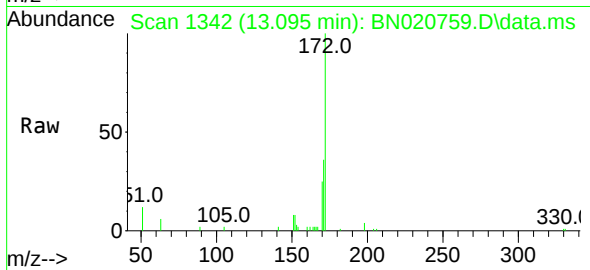




#15  
2-Fluorobiphenyl  
Concen: 0.350 ng  
RT: 13.095 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

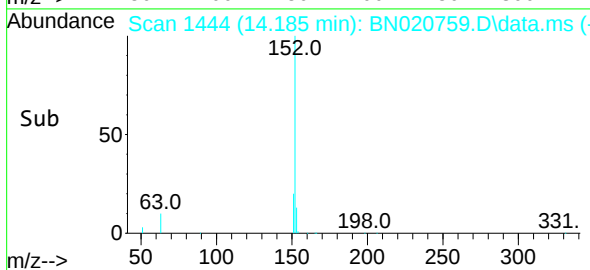
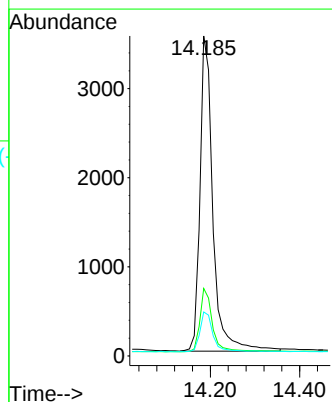
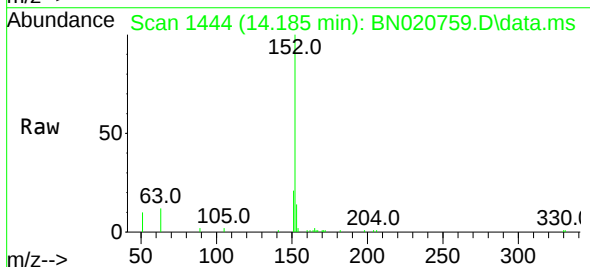
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

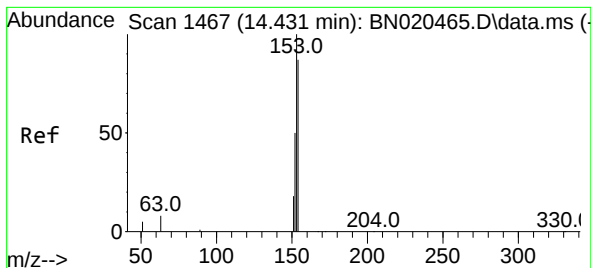
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:172 | Resp: | 6288  |       |
| Ion         | Ratio | Lower | Upper |
| 172         | 100   |       |       |
| 171         | 36.1  | 27.2  | 40.8  |
| 170         | 25.0  | 18.2  | 27.4  |



#16  
Acenaphthylene  
Concen: 0.340 ng  
RT: 14.185 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:152 | Resp: | 7108  |       |
| Ion         | Ratio | Lower | Upper |
| 152         | 100   |       |       |
| 151         | 19.8  | 16.2  | 24.4  |
| 153         | 13.1  | 10.7  | 16.1  |





#17

Acenaphthene

Concen: 0.366 ng

RT: 14.527 min Scan# 1467

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

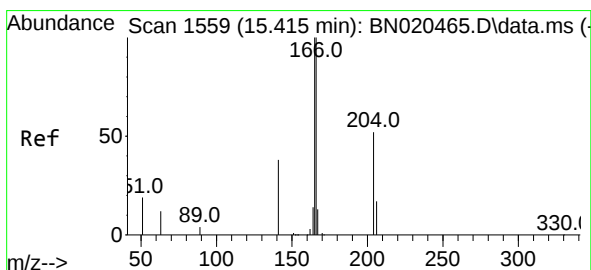
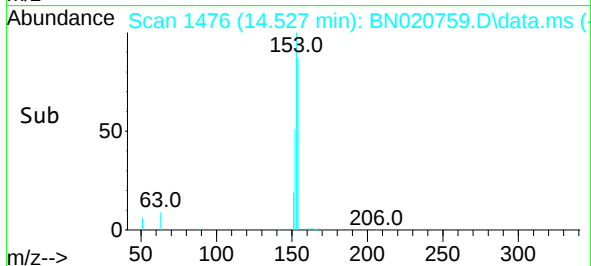
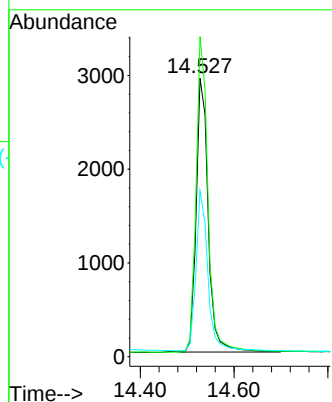
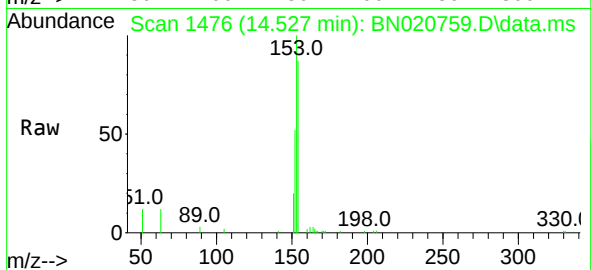
Tgt Ion:154 Resp: 5216

Ion Ratio Lower Upper

154 100

153 114.4 87.5 131.3

152 57.2 43.8 65.6



#18

Fluorene

Concen: 0.367 ng

RT: 15.522 min Scan# 1569

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

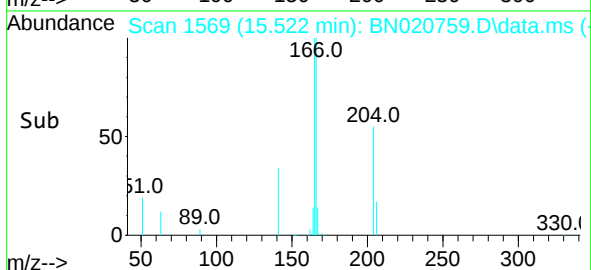
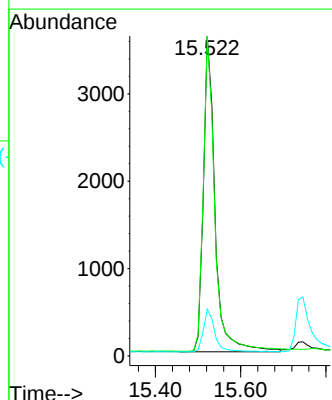
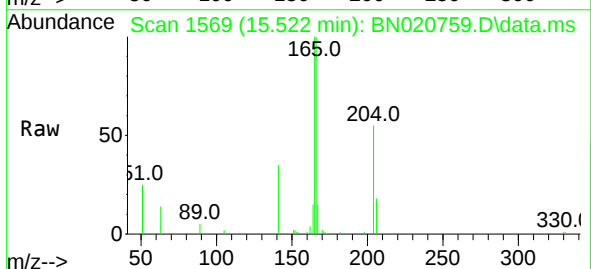
Tgt Ion:166 Resp: 6816

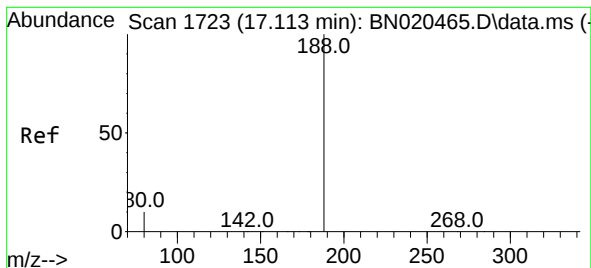
Ion Ratio Lower Upper

166 100

165 99.0 78.6 118.0

167 13.6 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.226 min Scan# 11

Delta R.T. 0.010 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

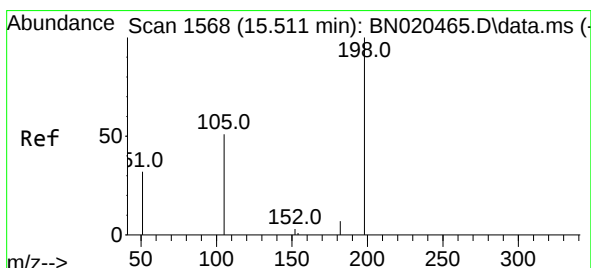
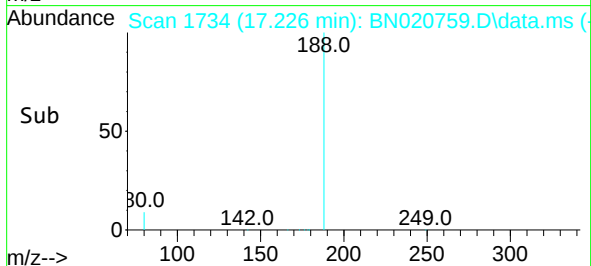
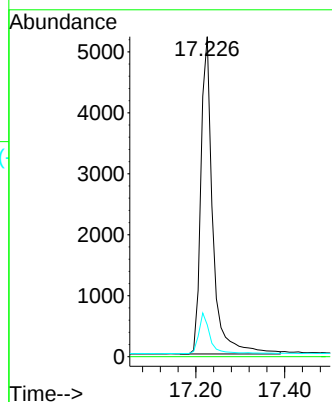
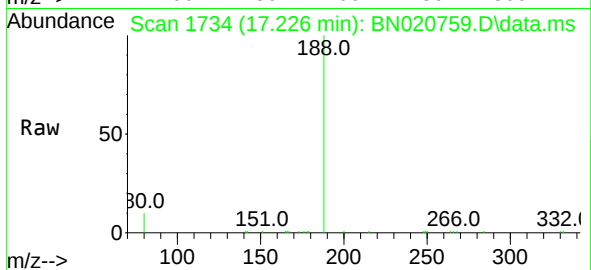
Tgt Ion:188 Resp: 9659

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.0 7.4 11.2



#20

4,6-Dinitro-2-methylphenol

Concen: 0.363 ng

RT: 15.650 min Scan# 1581

Delta R.T. 0.022 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

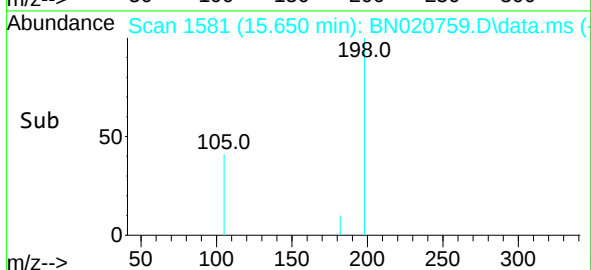
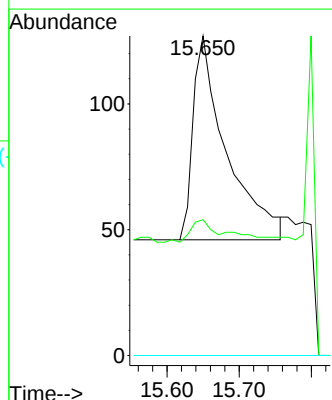
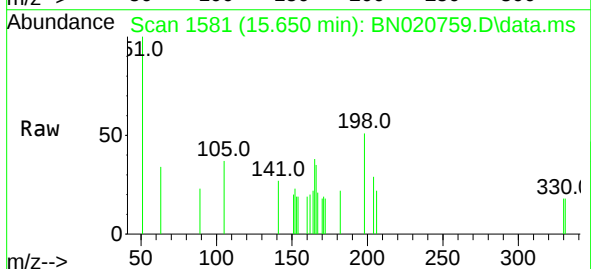
Tgt Ion:198 Resp: 260

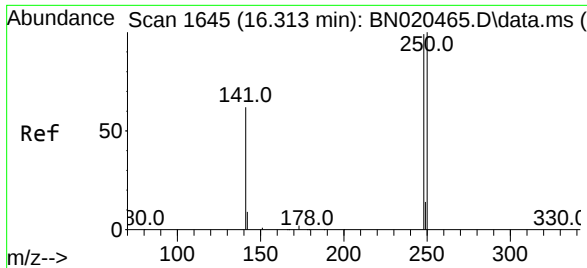
Ion Ratio Lower Upper

198 100

182 42.5 12.1 18.1#

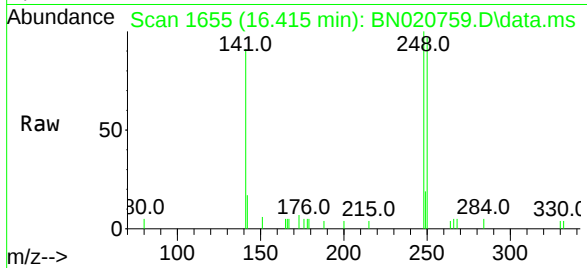
77 0.0 0.0 0.0



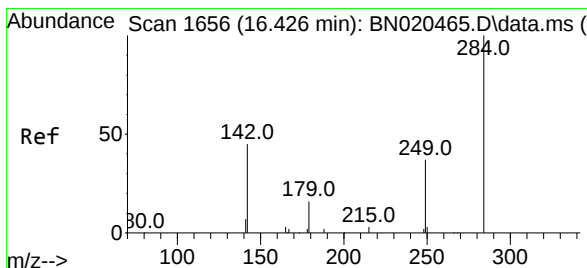
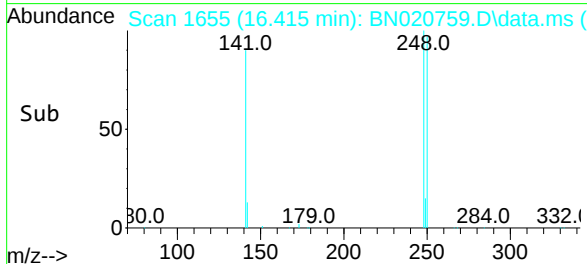
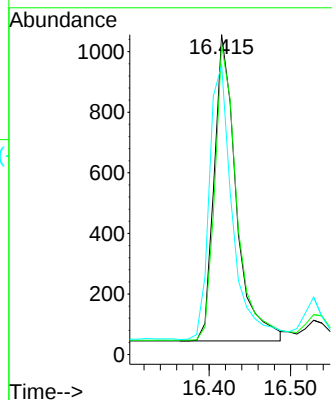


#21  
4-Bromophenyl-phenylether  
Concen: 0.337 ng  
RT: 16.415 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

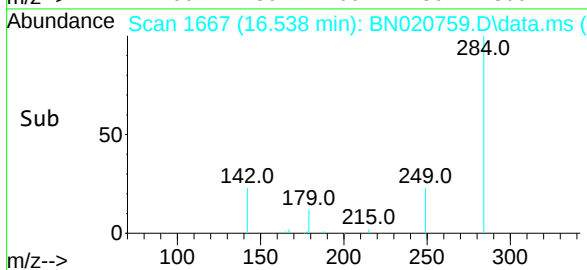
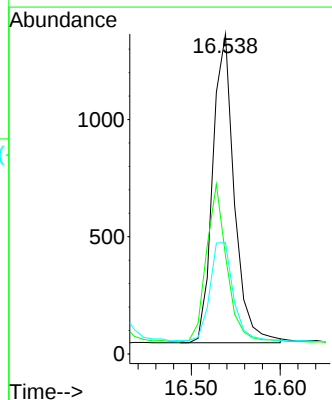
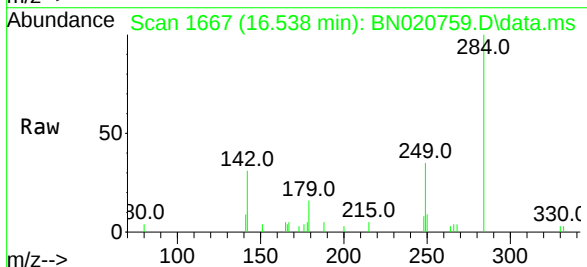


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 97.0  | 75.3  | 112.9 |
| 141     | 90.5  | 67.3  | 100.9 |



#22  
Hexachlorobenzene  
Concen: 0.356 ng  
RT: 16.538 min Scan# 1667  
Delta R.T. 0.010 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 48.2  | 35.2  | 52.8  |
| 249     | 34.4  | 26.6  | 40.0  |





#23

Atrazine

Concen: 0.295 ng

RT: 16.692 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

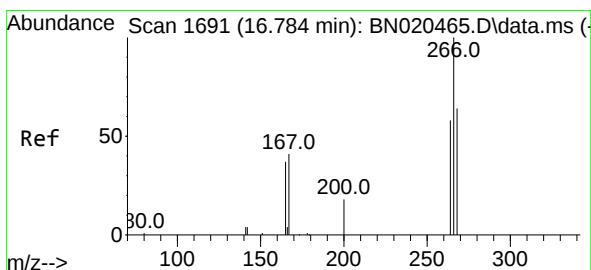
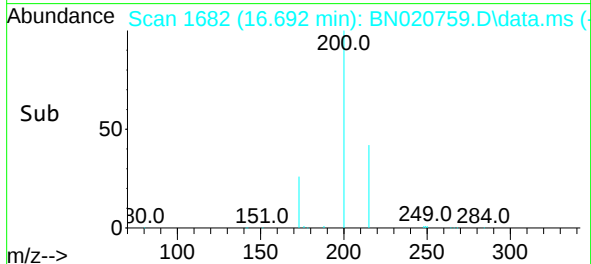
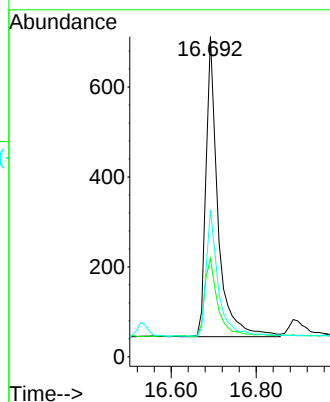
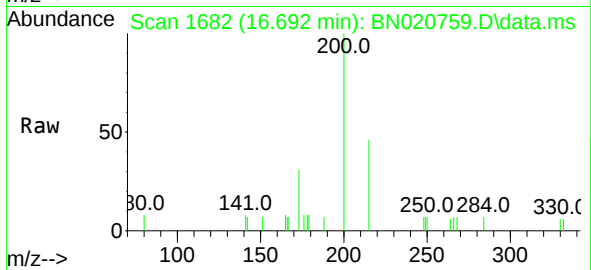
Tgt Ion:200 Resp: 1307

Ion Ratio Lower Upper

200 100

173 30.8 23.6 35.4

215 45.9 36.6 54.8



#24

Pentachlorophenol

Concen: 0.411 ng

RT: 16.897 min Scan# 1702

Delta R.T. 0.010 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

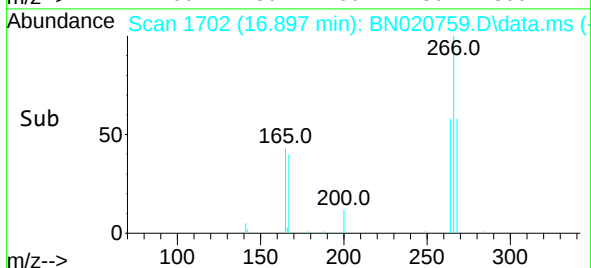
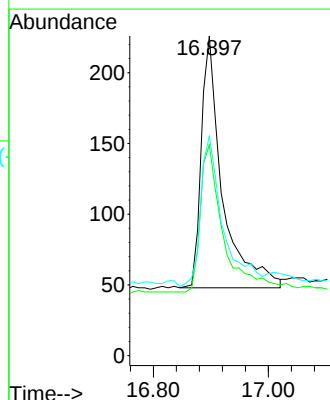
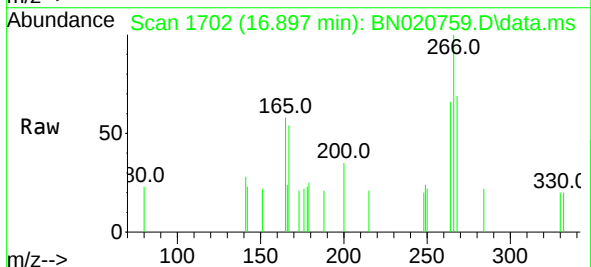
Tgt Ion:266 Resp: 453

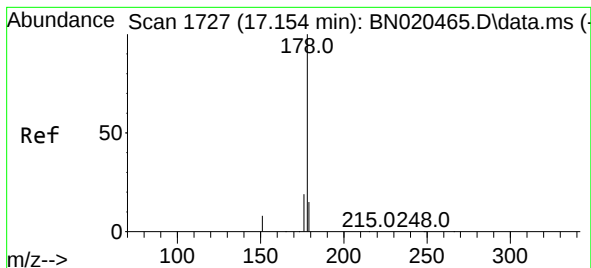
Ion Ratio Lower Upper

266 100

264 65.6 51.3 76.9

268 62.9 52.6 79.0





#25

Phenanthrene

Concen: 0.348 ng

RT: 17.267 min Scan# 1747

Delta R.T. 0.010 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

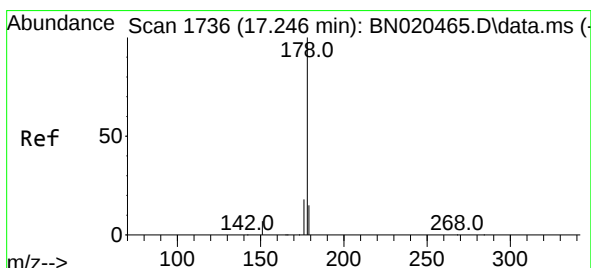
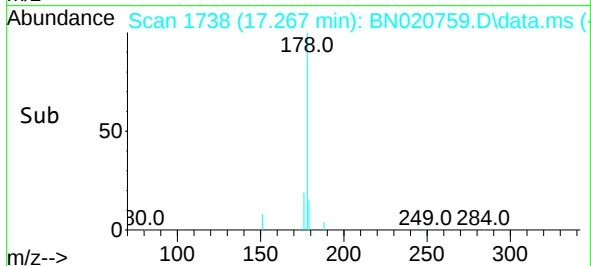
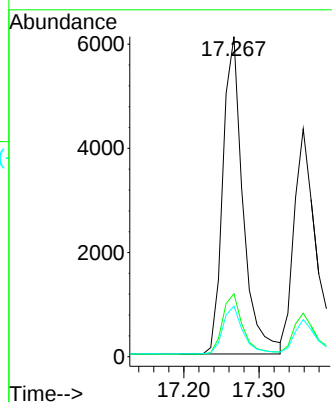
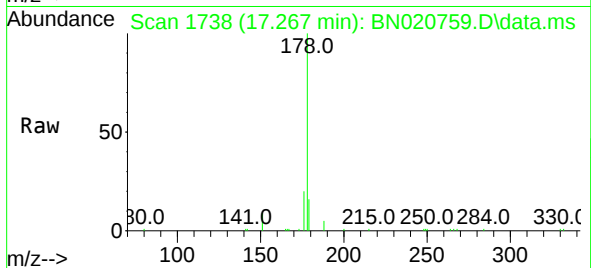
Tgt Ion:178 Resp: 11335

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.2 12.2 18.4



#26

Anthracene

Concen: 0.322 ng

RT: 17.359 min Scan# 1747

Delta R.T. 0.010 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

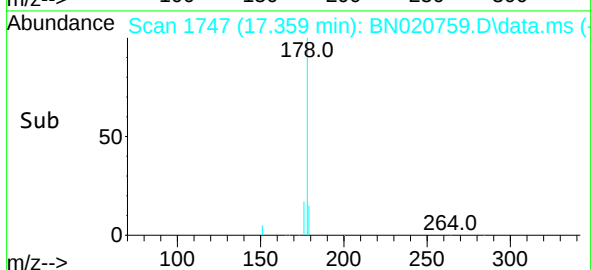
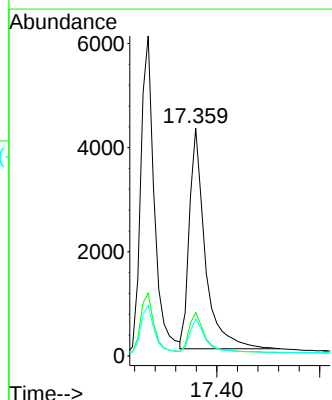
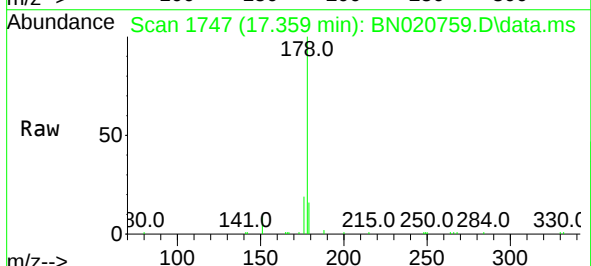
Tgt Ion:178 Resp: 9029

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

179 15.0 12.2 18.4

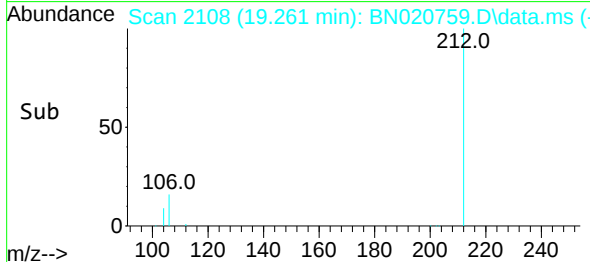
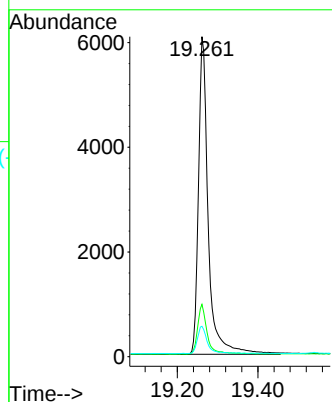
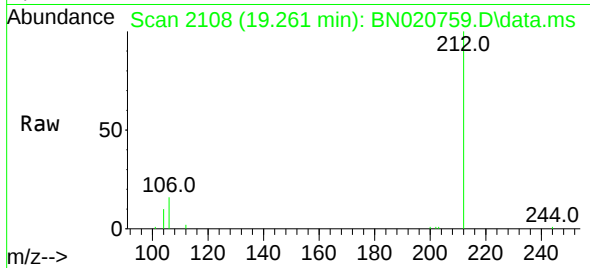




#27  
Fluoranthene-d10  
Concen: 0.355 ng  
RT: 19.261 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

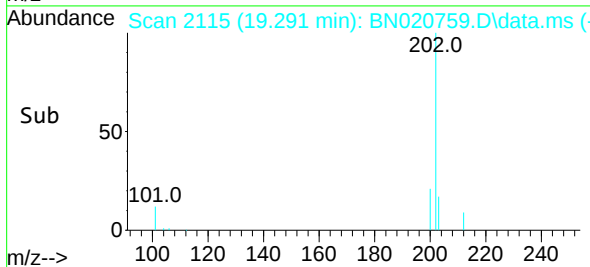
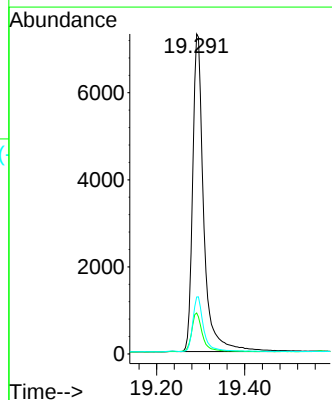
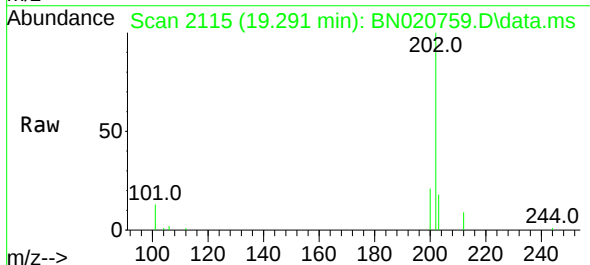
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion:212 Resp: 10174  
Ion Ratio Lower Upper  
212 100  
106 15.3 12.6 19.0  
104 8.7 7.2 10.8



#28  
Fluoranthene  
Concen: 0.359 ng  
RT: 19.291 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

Tgt Ion:202 Resp: 12751  
Ion Ratio Lower Upper  
202 100  
101 11.7 9.6 14.4  
203 16.7 13.5 20.3

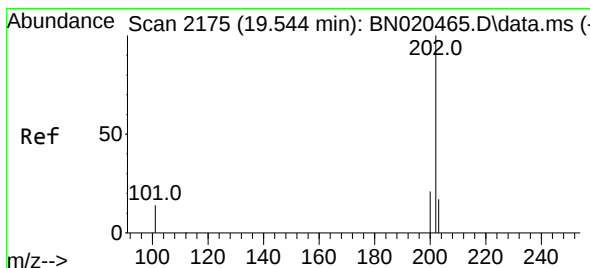
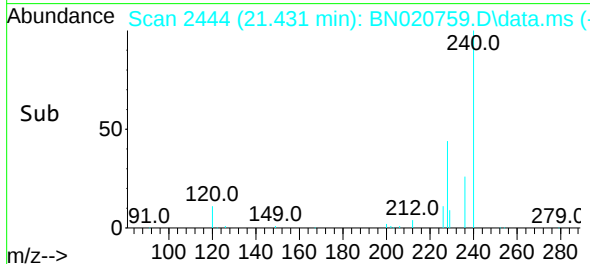
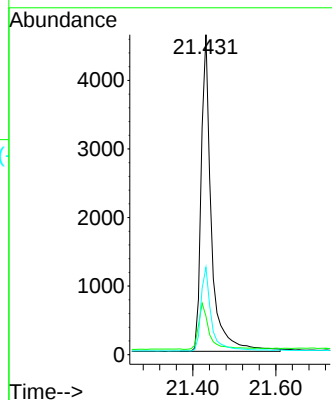
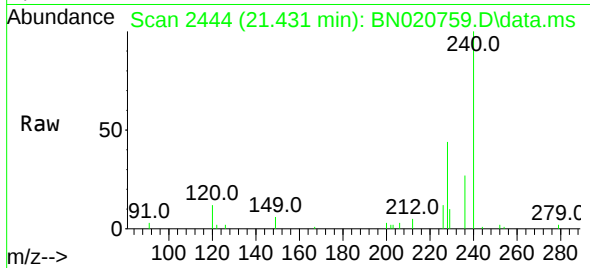




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.431 min Scan# 2444  
Delta R.T. 0.000 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

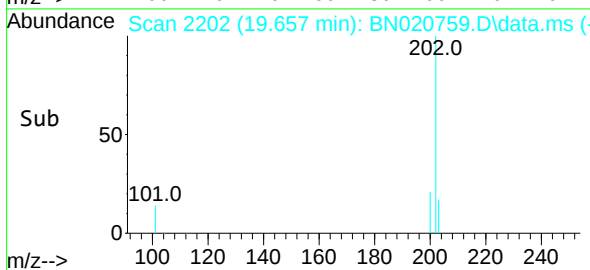
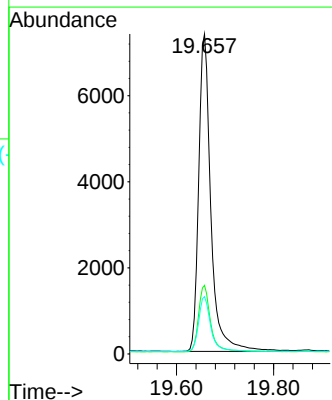
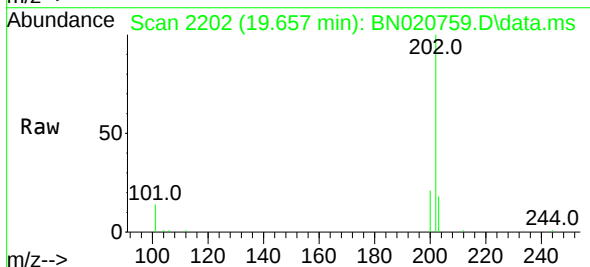
Instrument :  
BNA\_N  
ClientSampleId :  
PB146276BS

Tgt Ion:240 Resp: 7887  
Ion Ratio Lower Upper  
240 100  
120 12.0 14.6 21.8#  
236 27.3 22.6 33.8



#30  
Pyrene  
Concen: 0.385 ng  
RT: 19.657 min Scan# 2202  
Delta R.T. 0.004 min  
Lab File: BN020759.D  
Acq: 18 Jul 2022 16:35

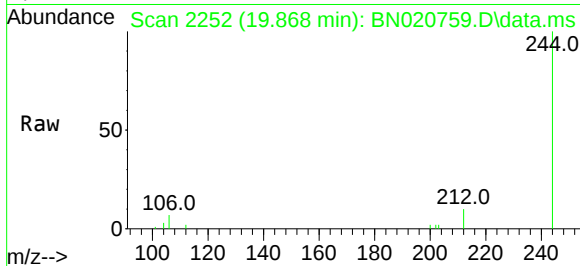
Tgt Ion:202 Resp: 12842  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.6 25.0  
203 17.6 14.2 21.2



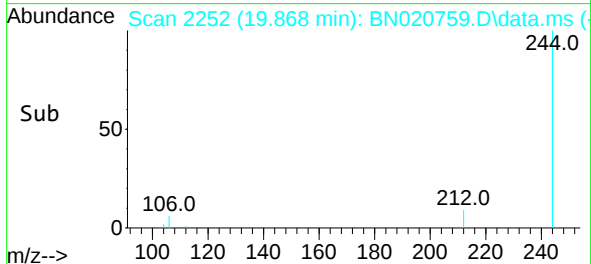
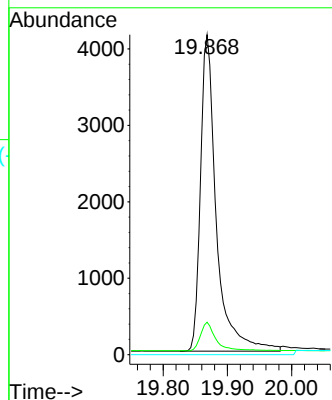


#31  
 Terphenyl-d14  
 Concen: 0.378 ng  
 RT: 19.868 min Scan# 21  
 Delta R.T. 0.004 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB146276BS

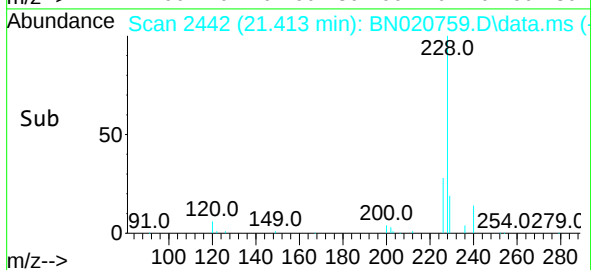
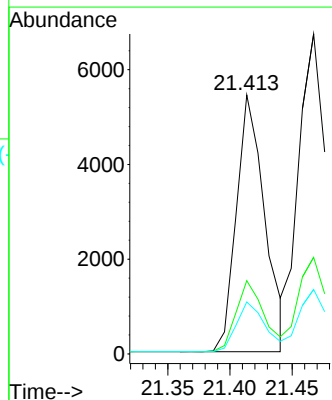
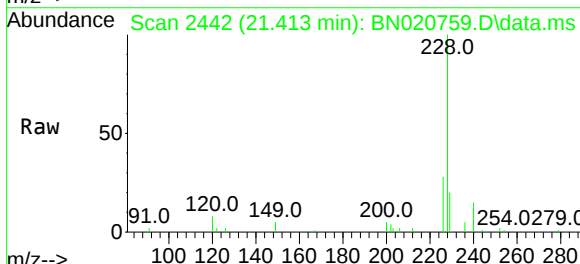


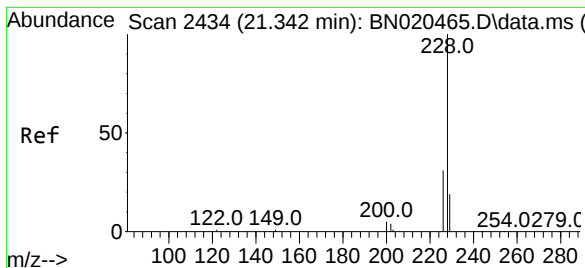
Tgt Ion:244 Resp: 7120  
 Ion Ratio Lower Upper  
 244 100  
 212 10.1 7.1 10.7  
 122 0.0 0.0 0.0



#32  
 Benzo(a)anthracene  
 Concen: 0.305 ng  
 RT: 21.413 min Scan# 2442  
 Delta R.T. 0.000 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

Tgt Ion:228 Resp: 8597  
 Ion Ratio Lower Upper  
 228 100  
 226 28.3 21.2 31.8  
 229 20.1 15.6 23.4





#33

Chrysene

Concen: 0.373 ng

RT: 21.467 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

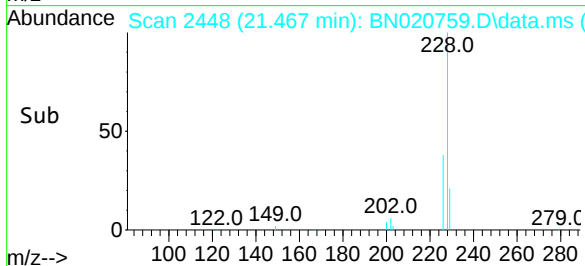
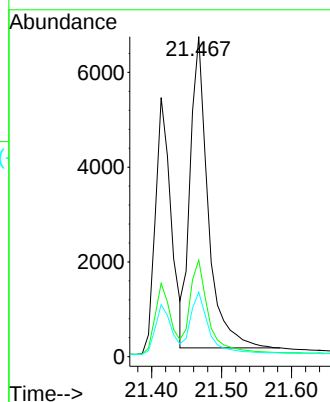
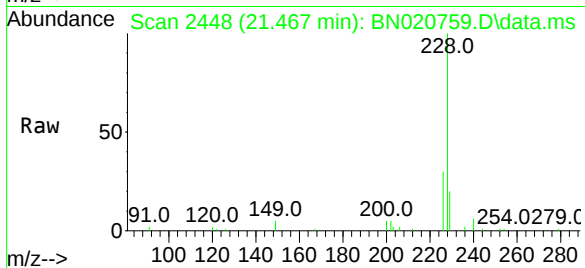
Tgt Ion:228 Resp: 11637

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.0

229 20.2 15.7 23.5



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.337 ng

RT: 21.351 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

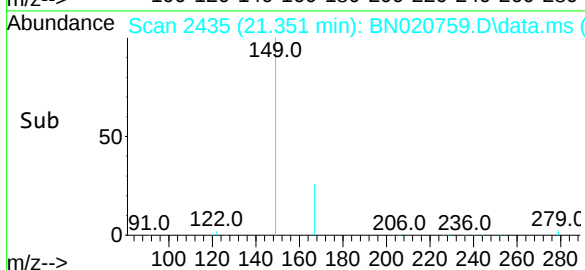
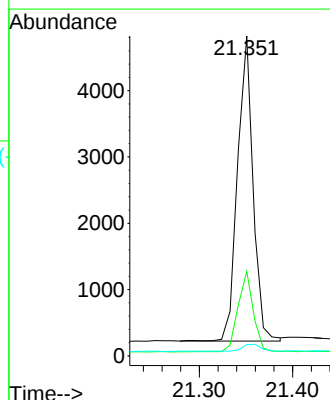
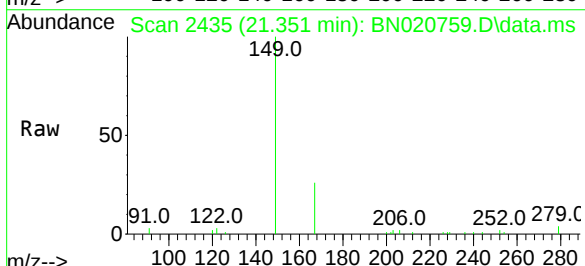
Tgt Ion:149 Resp: 5349

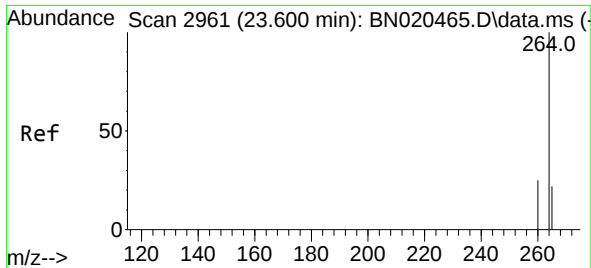
Ion Ratio Lower Upper

149 100

167 25.9 21.7 32.5

279 2.9 2.2 3.2

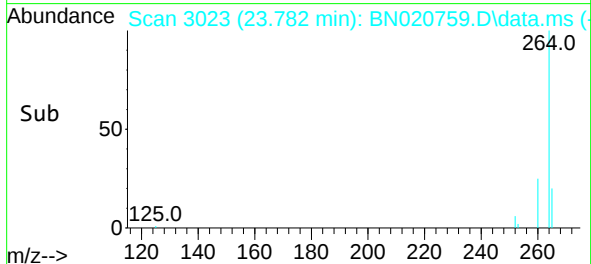
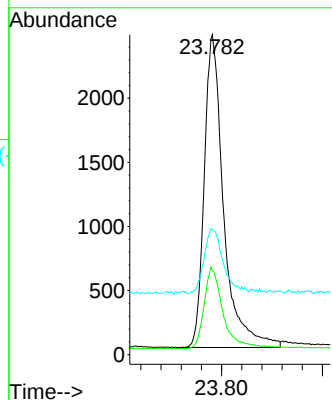
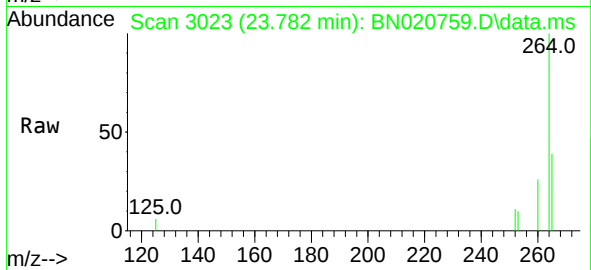




#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.782 min Scan# 30  
 Delta R.T. 0.003 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

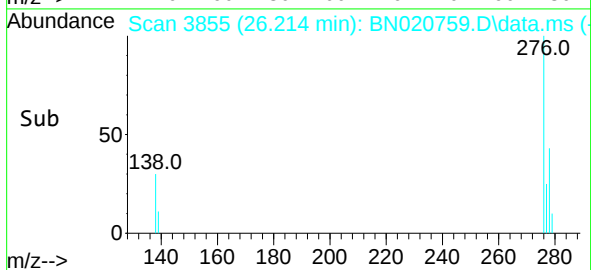
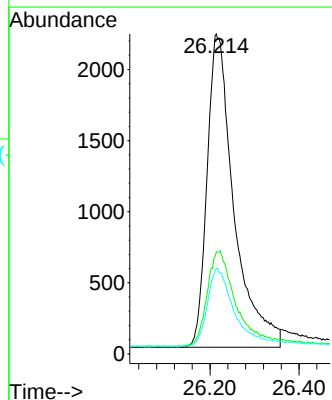
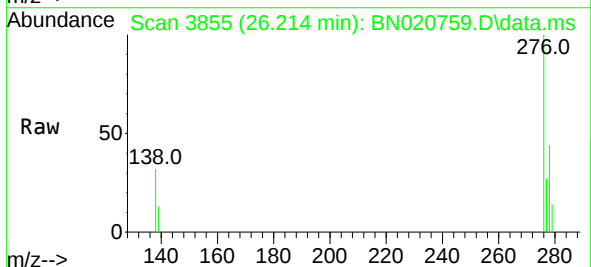
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB146276BS

Tgt Ion:264 Resp: 6526  
 Ion Ratio Lower Upper  
 264 100  
 260 26.4 20.9 31.3  
 265 39.1 28.0 42.0



#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.318 ng  
 RT: 26.214 min Scan# 3855  
 Delta R.T. -0.003 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

Tgt Ion:276 Resp: 9240  
 Ion Ratio Lower Upper  
 276 100  
 138 31.9 25.9 38.9  
 277 24.6 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.371 ng

RT: 23.068 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BN020759.D

ClientSampleId :

PB146276BS

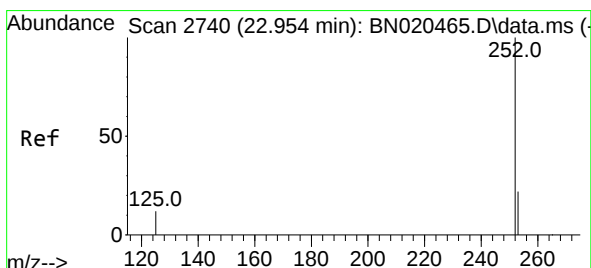
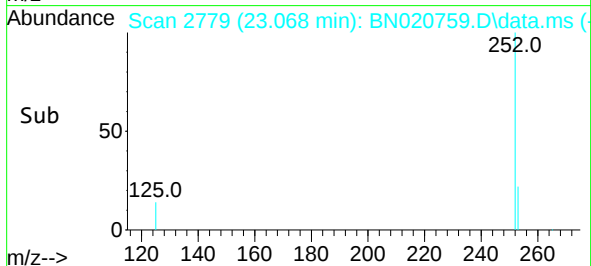
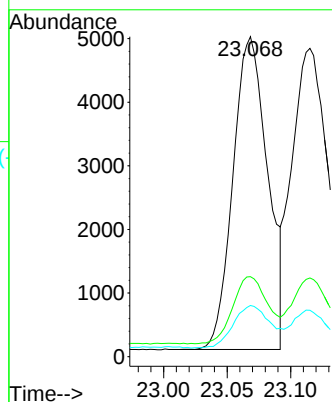
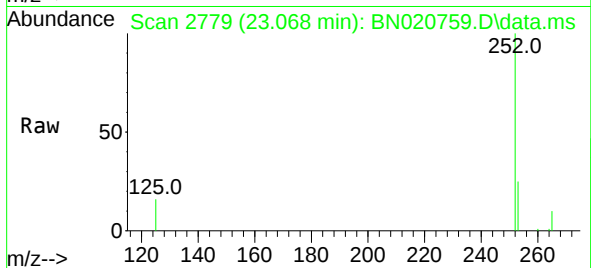
Tgt Ion:252 Resp: 9334

Ion Ratio Lower Upper

252 100

253 25.0 18.5 27.7

125 16.0 11.4 17.0



#38

Benzo(k)fluoranthene

Concen: 0.361 ng

RT: 23.115 min Scan# 2795

Delta R.T. 0.003 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

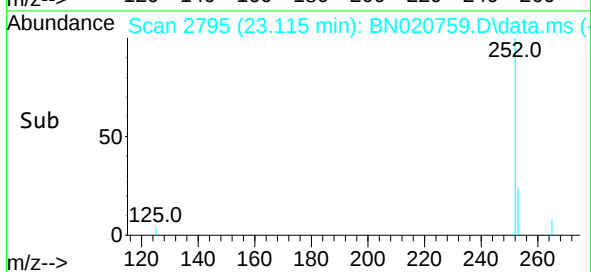
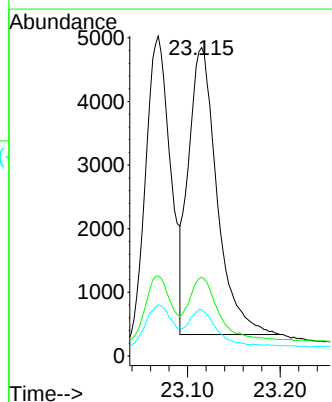
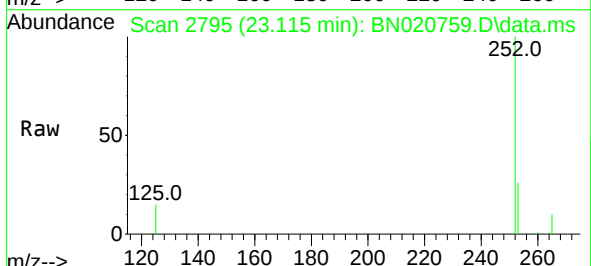
Tgt Ion:252 Resp: 9666

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 15.0 11.0 16.4





#39

Benzo(a)pyrene

Concen: 0.350 ng

RT: 23.682 min Scan# 2926

Delta R.T. 0.006 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

Instrument :

BNA\_N

ClientSampleId :

PB146276BS

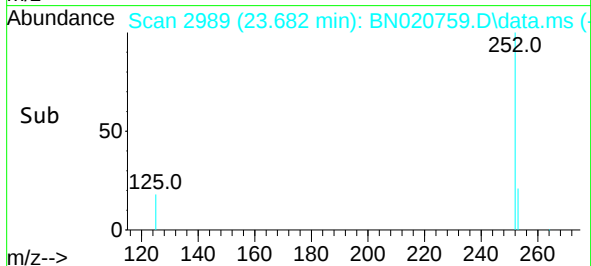
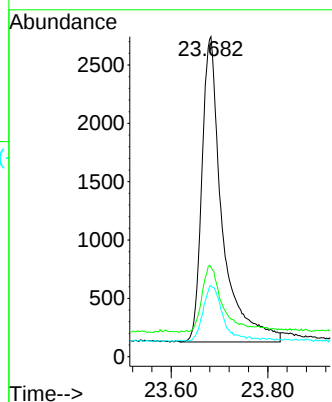
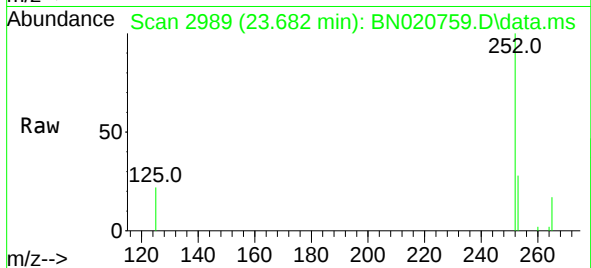
Tgt Ion:252 Resp: 7628

Ion Ratio Lower Upper

252 100

253 28.1 19.0 28.4

125 22.2 13.8 20.8#



#40

Dibenzo(a,h)anthracene

Concen: 0.302 ng

RT: 26.238 min Scan# 3863

Delta R.T. 0.006 min

Lab File: BN020759.D

Acq: 18 Jul 2022 16:35

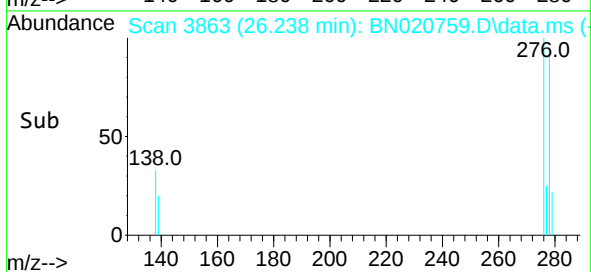
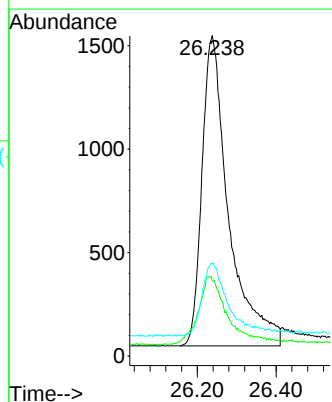
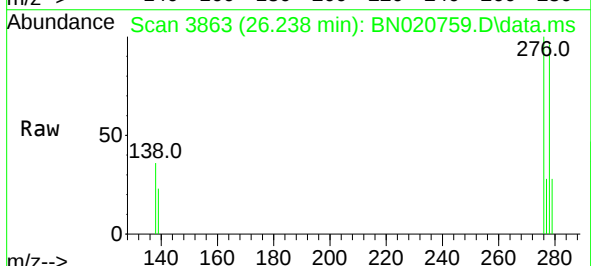
Tgt Ion:278 Resp: 7043

Ion Ratio Lower Upper

278 100

139 23.7 18.6 28.0

279 28.8 19.7 29.5





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.341 ng  
 RT: 26.957 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: BN020759.D  
 Acq: 18 Jul 2022 16:35

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB146276BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 276   | Resp: | 8679  |
| Ion      | Ratio | Lower | Upper |
| 276      | 100   |       |       |
| 277      | 25.4  | 19.5  | 29.3  |
| 138      | 29.1  | 22.6  | 34.0  |

