

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052623\  
 Data File : BN025703.D  
 Acq On : 29 May 2023 05:20  
 Operator : CG/JU  
 Sample : 02943-04  
 Misc :  
 ALS Vial : 102 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20230523

Quant Time: May 29 06:02:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon May 29 00:47:45 2023  
 Response via : Initial Calibration

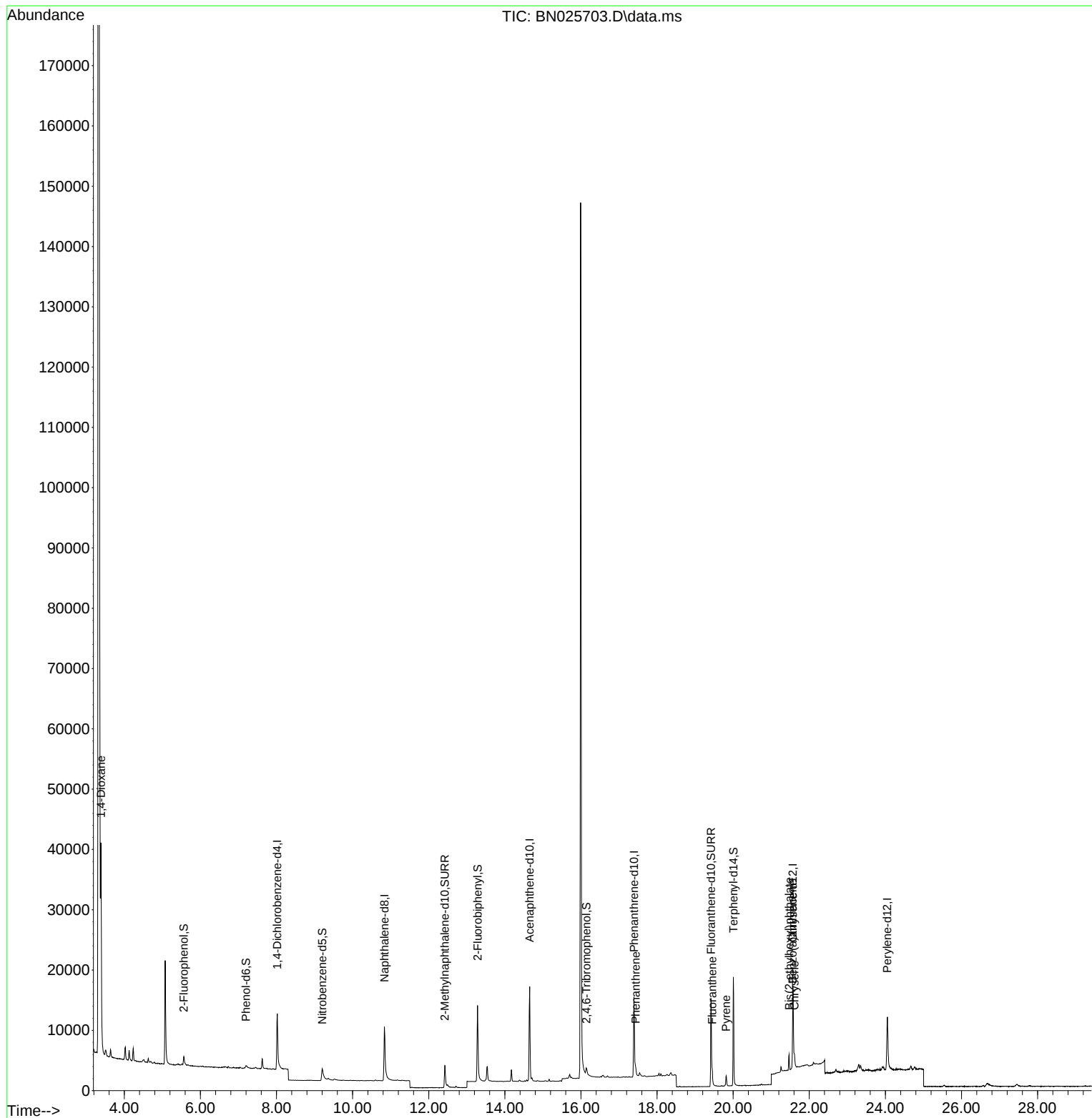
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.019  | 152  | 5763     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.835 | 136  | 16300    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.651 | 164  | 9765     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.393 | 188  | 20662    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.569 | 240  | 14724    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 24.051 | 264  | 14350    | 0.400 | ng    | #-0.02   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.564  | 112  | 1769     | 0.120 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.196  | 99   | 989      | 0.056 | ng    | 0.02     |
| 8) Nitrobenzene-d5            | 9.201  | 82   | 3457     | 0.253 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10   | 12.423 | 152  | 7180     | 0.309 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.139 | 330  | 802      | 0.406 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.283 | 172  | 13289    | 0.330 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.421 | 212  | 18615    | 0.398 | ng    | 0.00     |
| 31) Terphenyl-d14             | 20.006 | 244  | 17646    | 0.547 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.390  | 88   | 18488    | 2.770 | ng    | 99       |
| 25) Phenanthrene              | 17.443 | 178  | 1376     | 0.022 | ng    | 97       |
| 28) Fluoranthene              | 19.449 | 202  | 2021     | 0.029 | ng    | # 95     |
| 30) Pyrene                    | 19.816 | 202  | 1881     | 0.026 | ng    | 98       |
| 32) Benzo(a)anthracene        | 21.560 | 228  | 1421     | 0.026 | ng    | # 90     |
| 33) Chrysene                  | 21.614 | 228  | 1634     | 0.027 | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.471 | 149  | 2639     | 0.079 | ng    | # 97     |
| -----                         |        |      |          |       |       |          |

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

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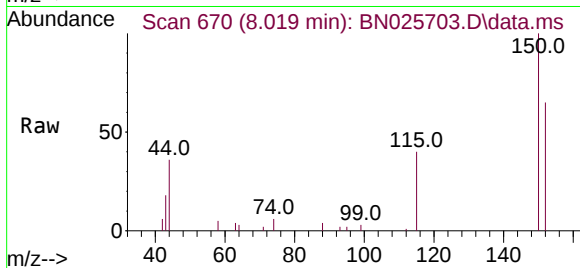
Quant Time: May 29 06:02:08 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN052623.M  
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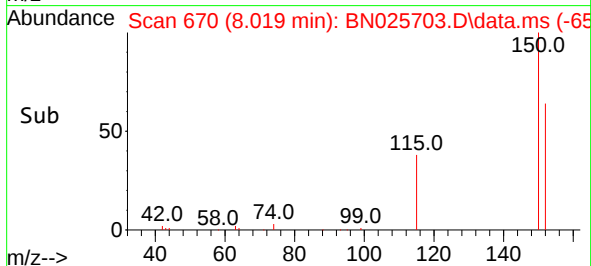
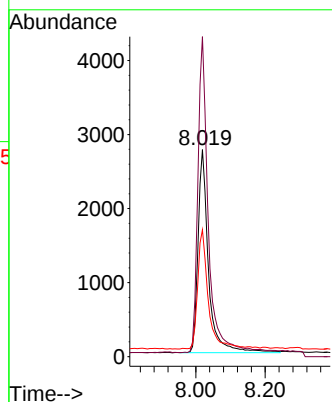
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 8.019 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: BN025703.D  
 Acq: 29 May 2023 05:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20230523



Tgt Ion:152 Resp: 5763

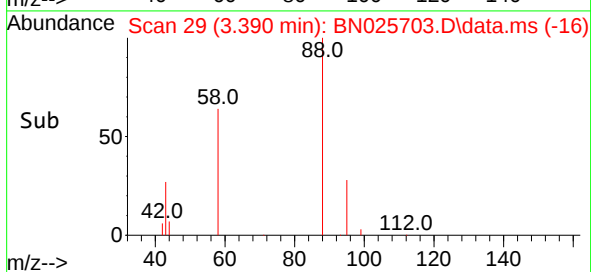
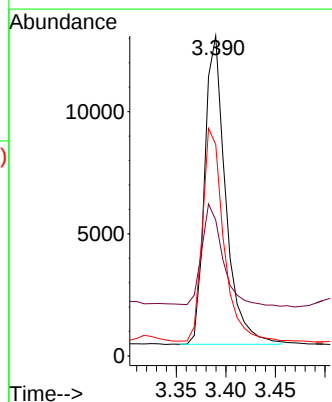
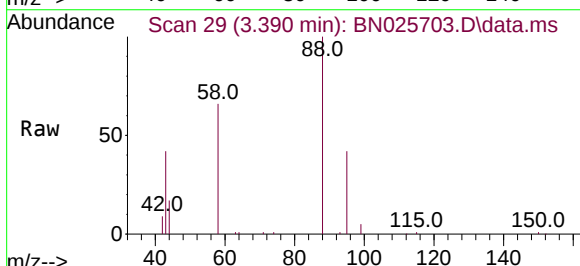
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 154.6 | 121.0 | 181.6 |
| 115 | 61.3  | 48.5  | 72.7  |



#2  
 1,4-Dioxane  
 Concen: 2.770 ng  
 RT: 3.390 min Scan# 29  
 Delta R.T. -0.007 min  
 Lab File: BN025703.D  
 Acq: 29 May 2023 05:20

Tgt Ion: 88 Resp: 18488

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 33.4  | 26.5  | 39.7  |
| 58  | 69.8  | 56.8  | 85.2  |





#4

2-Fluorophenol

Concen: 0.120 ng

RT: 5.564 min Scan# 31

Delta R.T. 0.007 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA\_N

ClientSampleId :

TT101D2-20230523

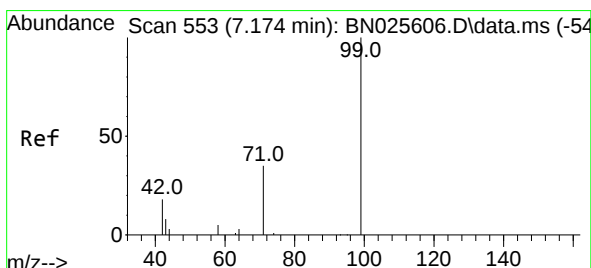
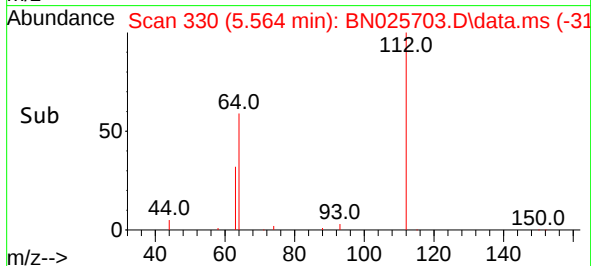
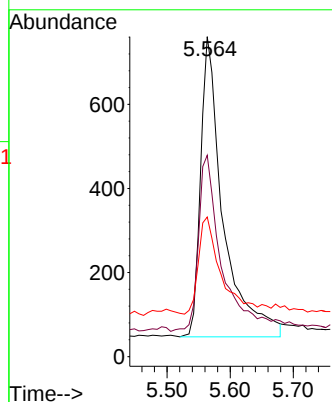
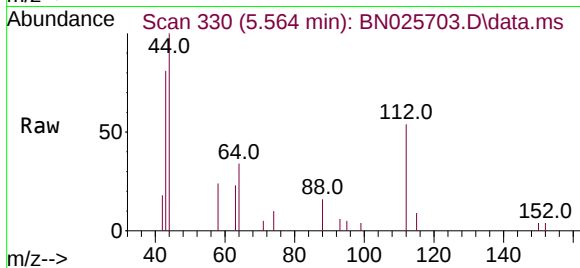
Tgt Ion:112 Resp: 1769

Ion Ratio Lower Upper

112 100

64 61.0 45.7 68.5

63 33.4 26.2 39.2



#5

Phenol-d6

Concen: 0.056 ng

RT: 7.196 min Scan# 556

Delta R.T. 0.021 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

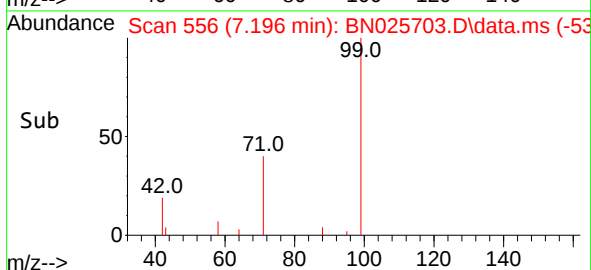
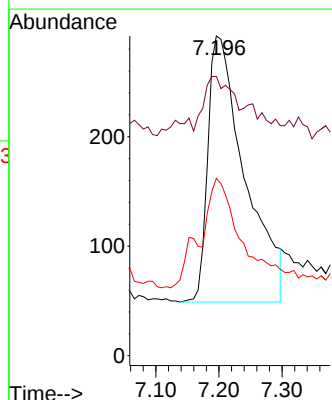
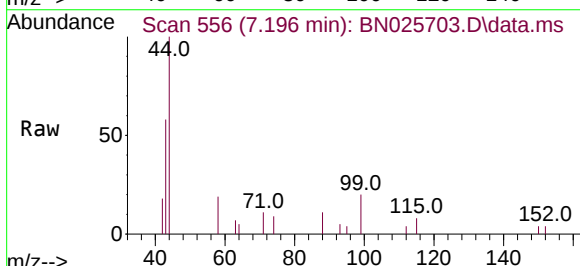
Tgt Ion: 99 Resp: 989

Ion Ratio Lower Upper

99 100

42 16.2 17.1 25.7#

71 28.1 29.3 43.9#

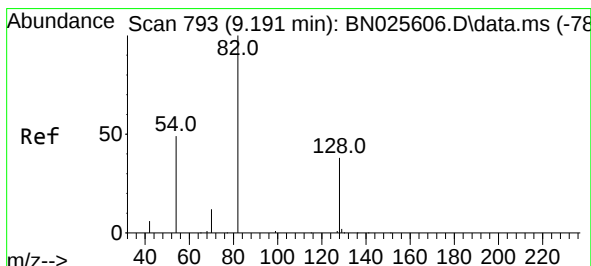
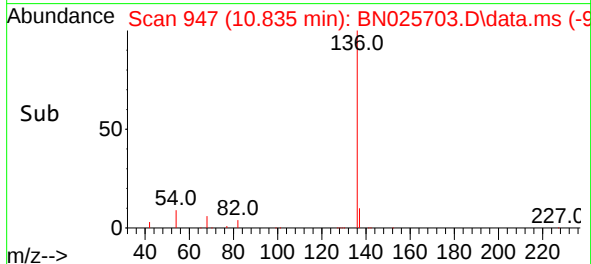
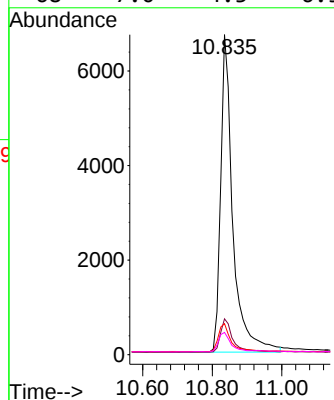
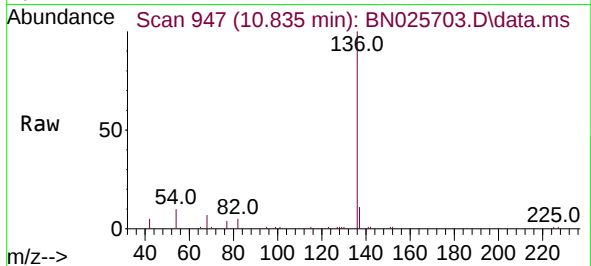




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.835 min Scan# 948  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

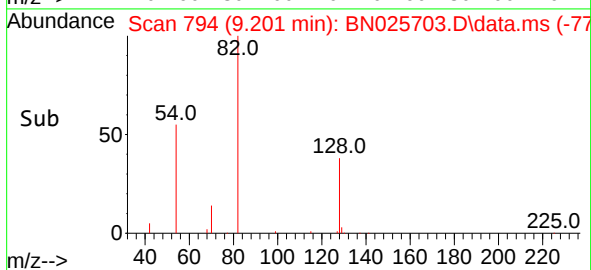
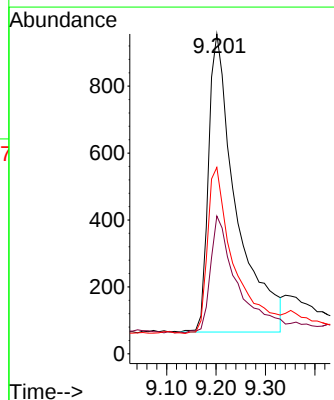
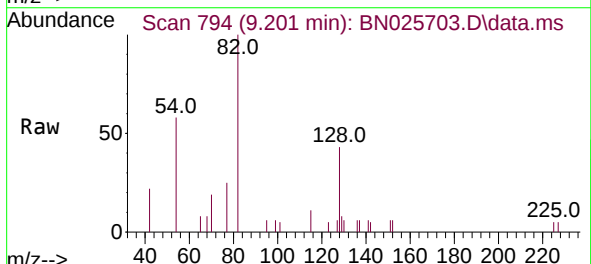
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20230523

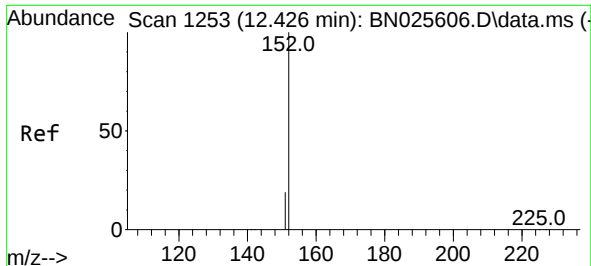
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 16300 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.1   | 13.7  |
| 54        | 9.7   | 5.4   | 8.0#  |
| 68        | 7.0   | 4.3   | 6.5#  |



#8  
Nitrobenzene-d5  
Concen: 0.253 ng  
RT: 9.201 min Scan# 794  
Delta R.T. 0.010 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 3457 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.1  | 32.5  | 48.7 |
| 54        | 58.3  | 40.6  | 60.8 |

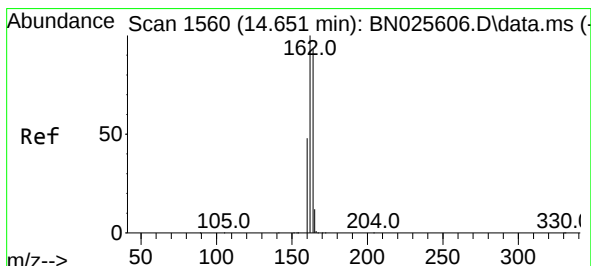
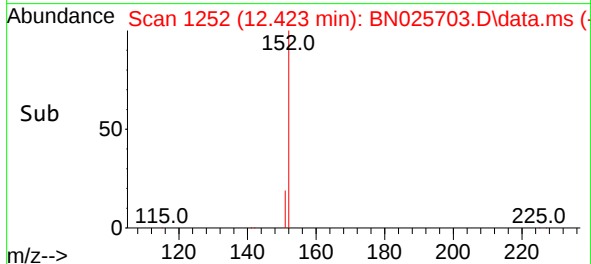
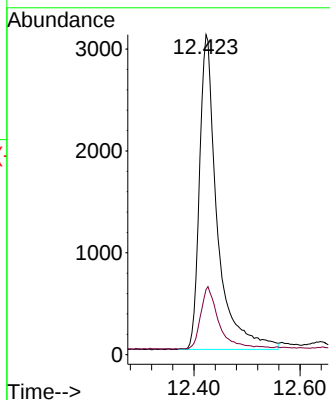
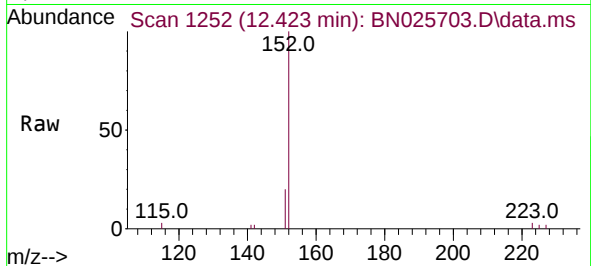




#11  
2-Methylnaphthalene-d10  
Concen: 0.309 ng  
RT: 12.423 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

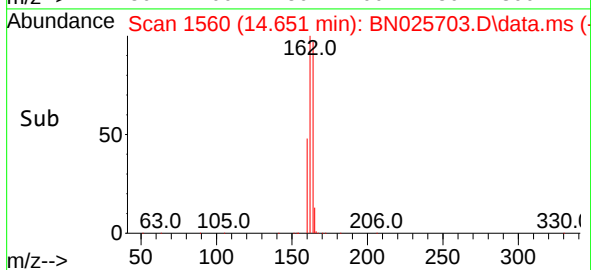
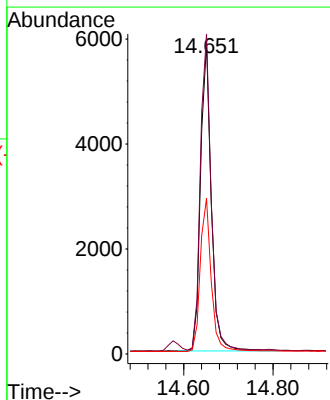
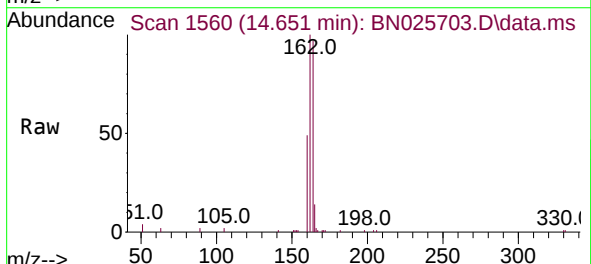
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20230523

Tgt Ion:152 Resp: 7180  
Ion Ratio Lower Upper  
152 100  
151 19.7 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.651 min Scan# 1560  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

Tgt Ion:164 Resp: 9765  
Ion Ratio Lower Upper  
164 100  
162 103.0 86.4 129.6  
160 50.1 41.9 62.9

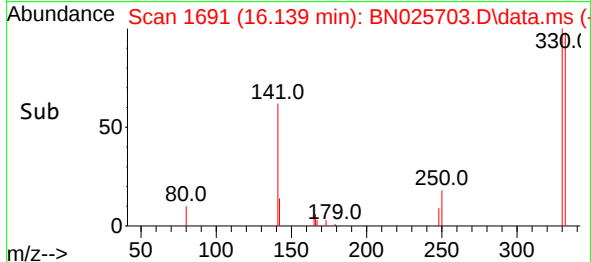
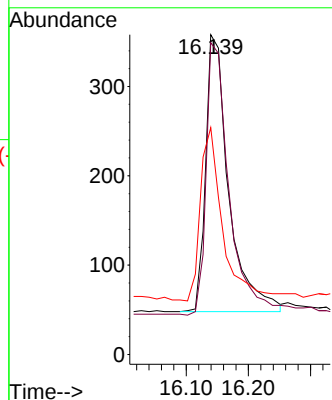
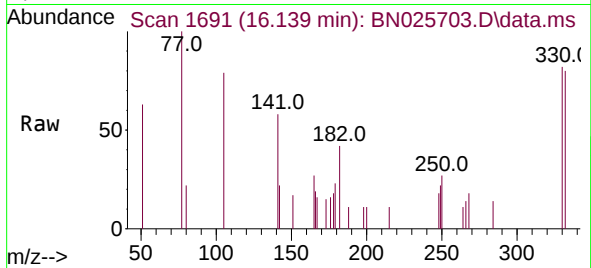




#14  
2,4,6-Tribromophenol  
Concen: 0.406 ng  
RT: 16.139 min Scan# 1691  
Delta R.T. -0.013 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

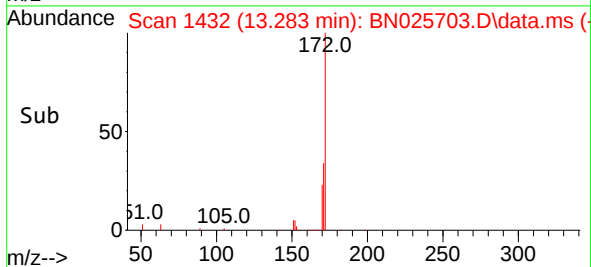
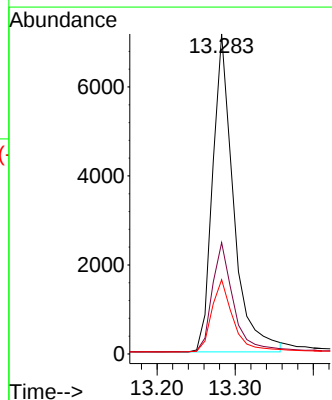
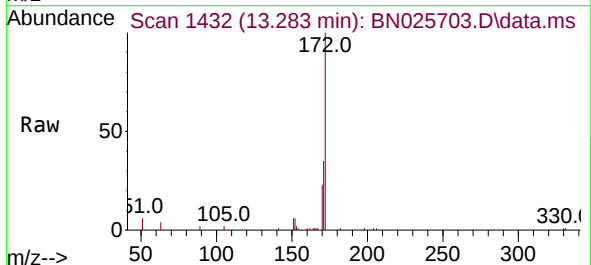
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20230523

Tgt Ion:330 Resp: 802  
Ion Ratio Lower Upper  
330 100  
332 96.6 80.0 120.0  
141 59.2 45.8 68.6



#15  
2-Fluorobiphenyl  
Concen: 0.330 ng  
RT: 13.283 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

Tgt Ion:172 Resp: 13289  
Ion Ratio Lower Upper  
172 100  
171 34.8 28.6 42.8  
170 23.2 19.7 29.5

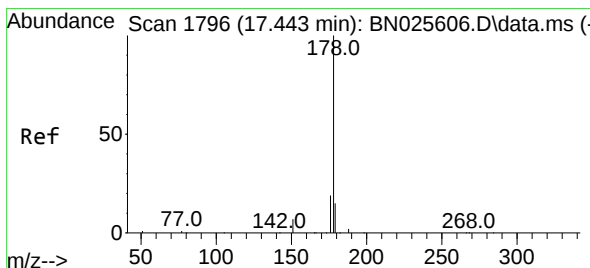
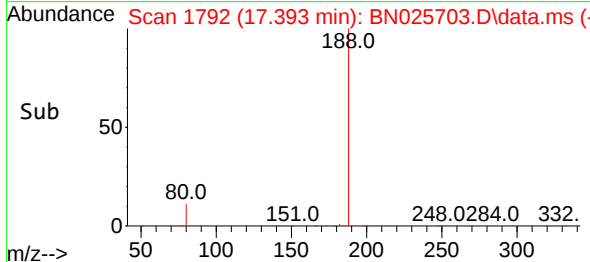
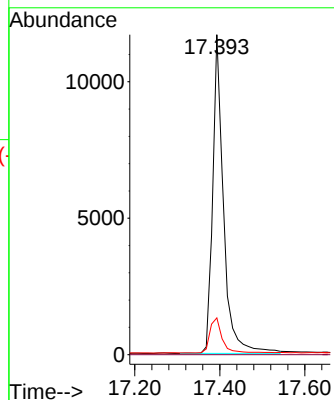
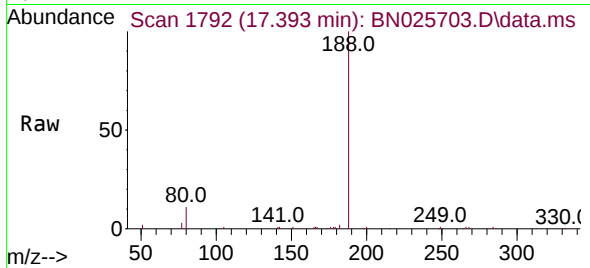




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.393 min Scan# 1792  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

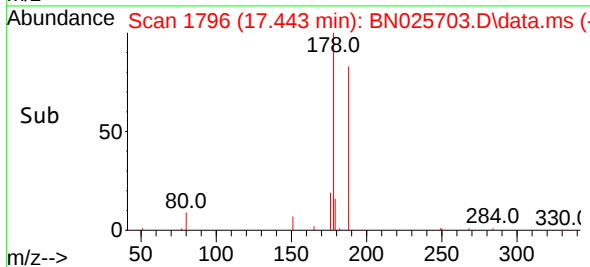
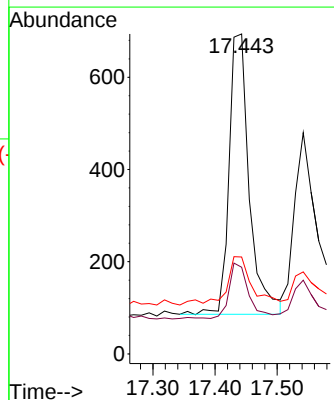
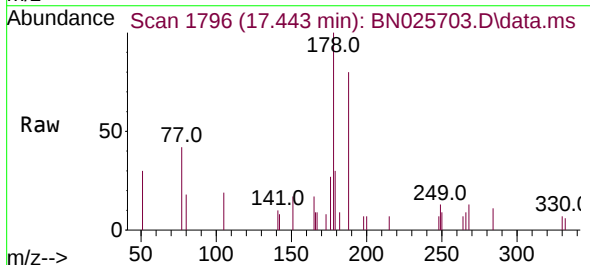
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ClientSampleId :  
TT101D2-20230523

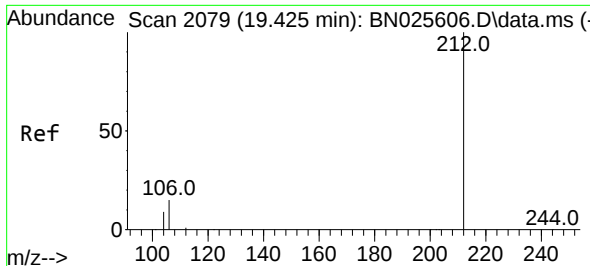
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Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 12.2 18.2#



#25  
Phenanthrene  
Concen: 0.022 ng  
RT: 17.443 min Scan# 1796  
Delta R.T. 0.012 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

Tgt Ion:178 Resp: 1376  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.2  
179 18.5 12.6 19.0

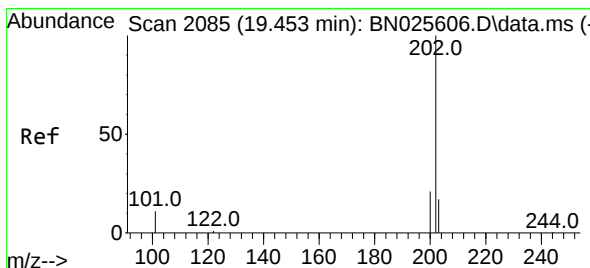
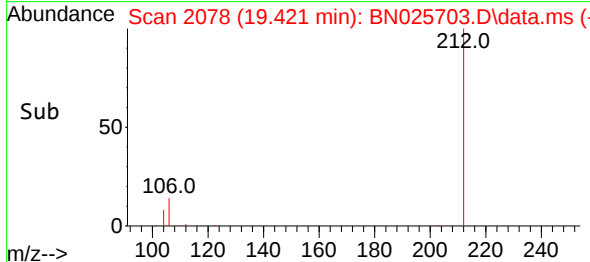
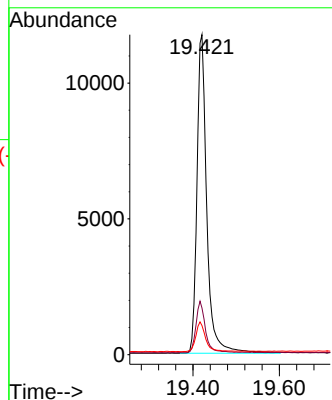
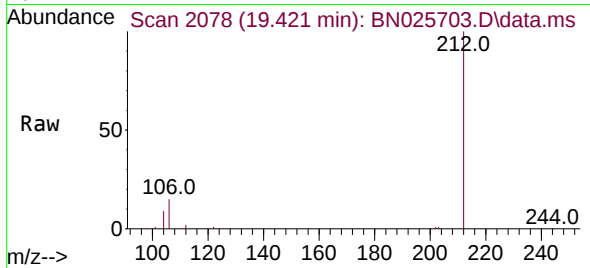




#27  
Fluoranthene-d10  
Concen: 0.398 ng  
RT: 19.421 min Scan# 2079  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

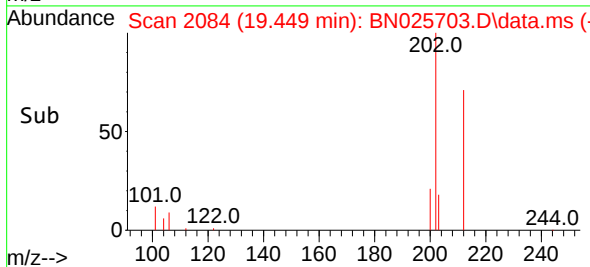
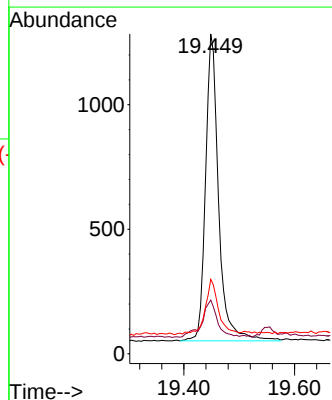
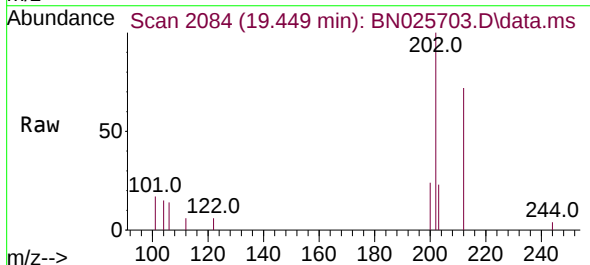
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20230523

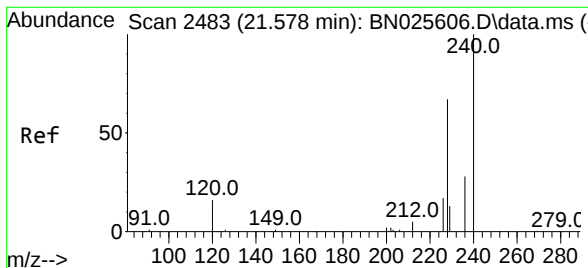
Tgt Ion:212 Resp: 18615  
Ion Ratio Lower Upper  
212 100  
106 15.6 12.3 18.5  
104 9.2 7.2 10.8



#28  
Fluoranthene  
Concen: 0.029 ng  
RT: 19.449 min Scan# 2084  
Delta R.T. -0.005 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

Tgt Ion:202 Resp: 2021  
Ion Ratio Lower Upper  
202 100  
101 14.0 9.2 13.8#  
203 18.6 13.3 19.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 2482

Delta R.T. -0.009 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA\_N

ClientSampleId :

TT101D2-20230523

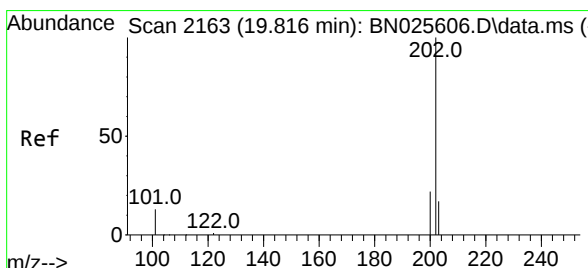
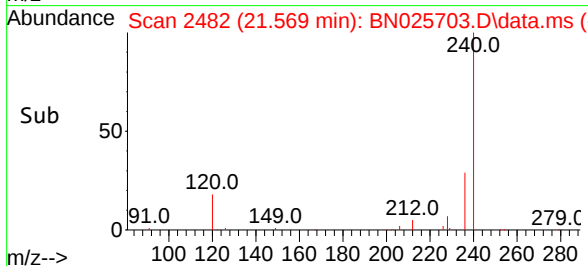
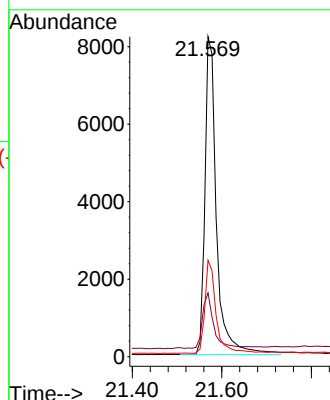
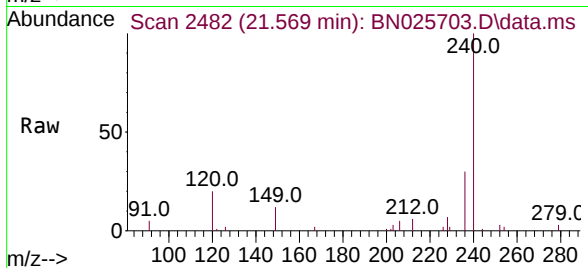
Tgt Ion:240 Resp: 14724

Ion Ratio Lower Upper

240 100

120 19.9 15.4 23.0

236 30.1 23.2 34.8



#30

Pyrene

Concen: 0.026 ng

RT: 19.816 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

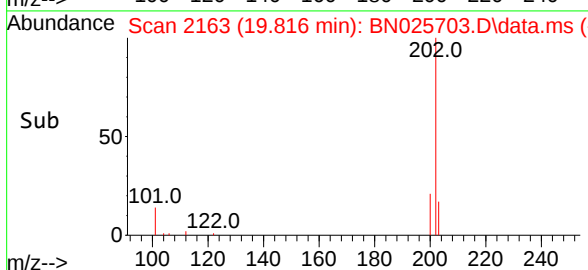
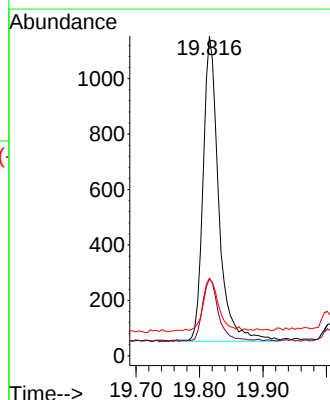
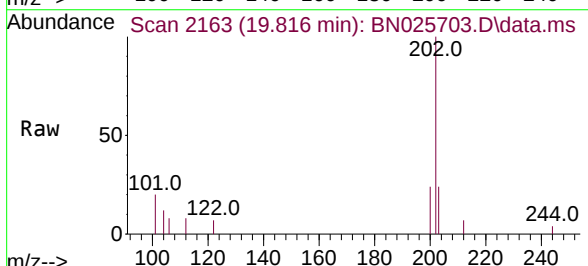
Tgt Ion:202 Resp: 1881

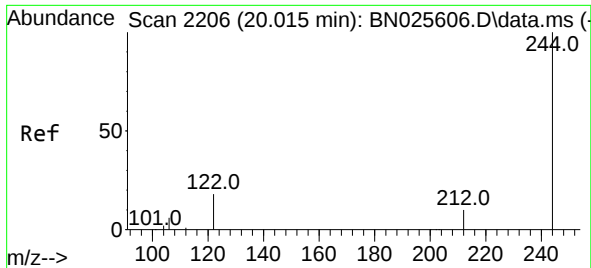
Ion Ratio Lower Upper

202 100

200 19.9 17.1 25.7

203 18.3 14.5 21.7

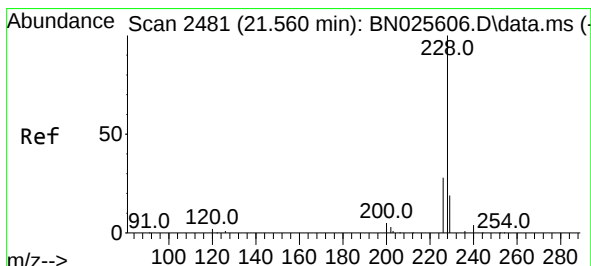
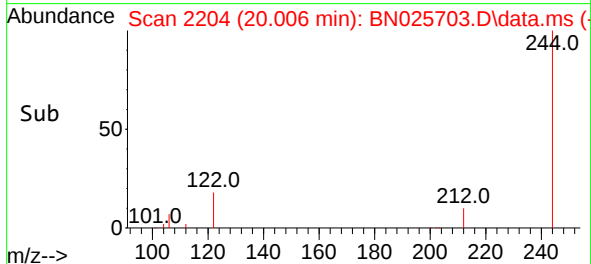
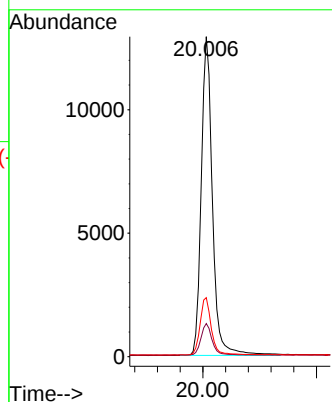
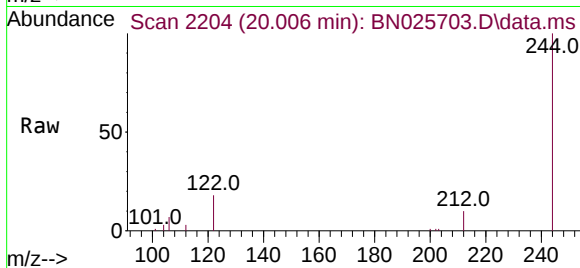




#31  
Terphenyl-d14  
Concen: 0.547 ng  
RT: 20.006 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

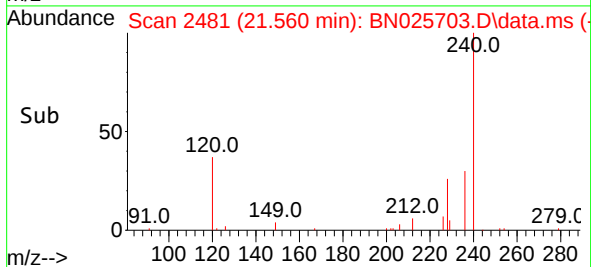
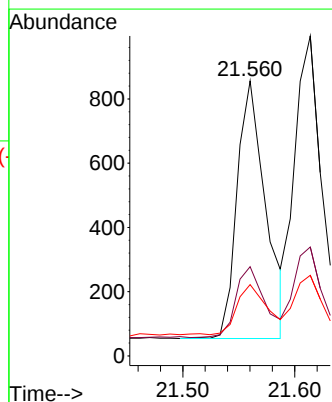
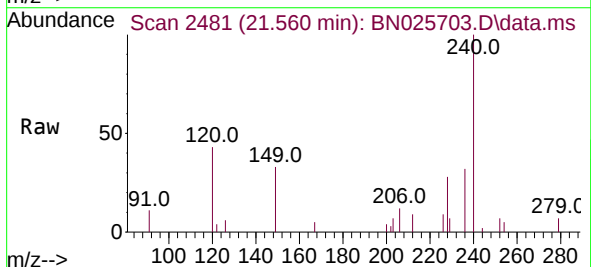
Instrument :  
BNA\_N  
ClientSampleId :  
TT101D2-20230523

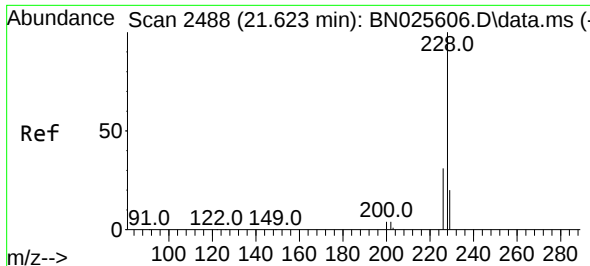
Tgt Ion:244 Resp: 17646  
Ion Ratio Lower Upper  
244 100  
212 10.3 8.5 12.7  
122 18.5 14.9 22.3



#32  
Benzo(a)anthracene  
Concen: 0.026 ng  
RT: 21.560 min Scan# 2481  
Delta R.T. -0.000 min  
Lab File: BN025703.D  
Acq: 29 May 2023 05:20

Tgt Ion:228 Resp: 1421  
Ion Ratio Lower Upper  
228 100  
226 32.5 22.9 34.3  
229 25.9 15.9 23.9#





#33

Chrysene

Concen: 0.027 ng

RT: 21.614 min Scan# 2487

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA\_N

ClientSampleId :

TT101D2-20230523

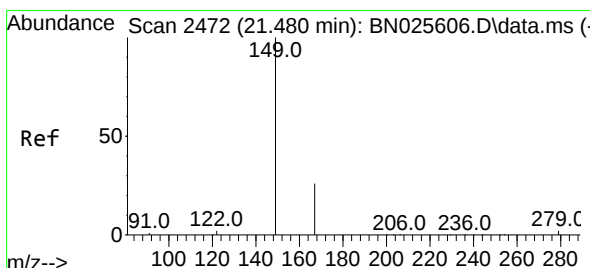
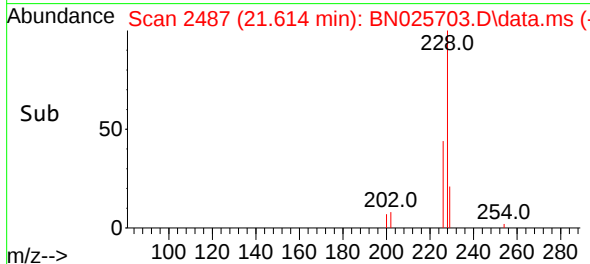
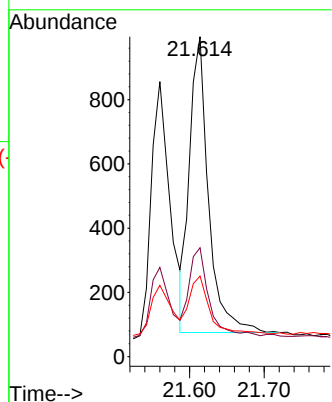
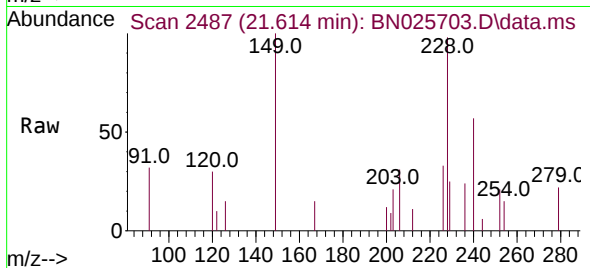
Tgt Ion:228 Resp: 1634

Ion Ratio Lower Upper

228 100

226 34.0 24.5 36.7

229 25.2 16.2 24.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.471 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

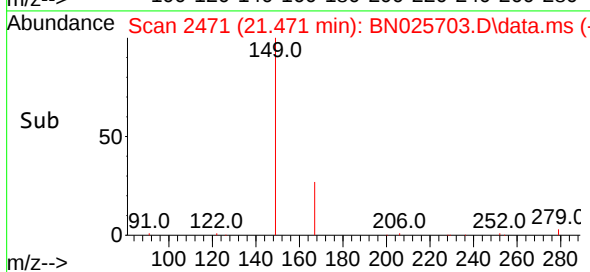
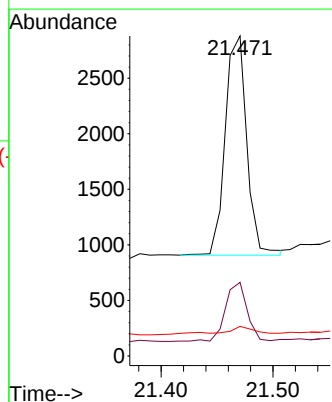
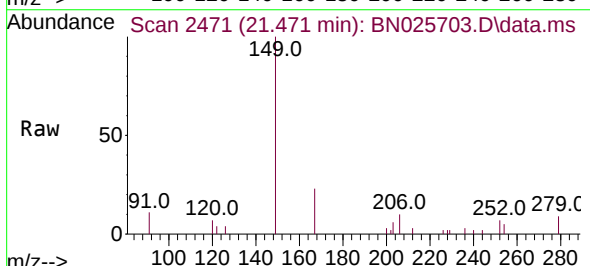
Tgt Ion:149 Resp: 2639

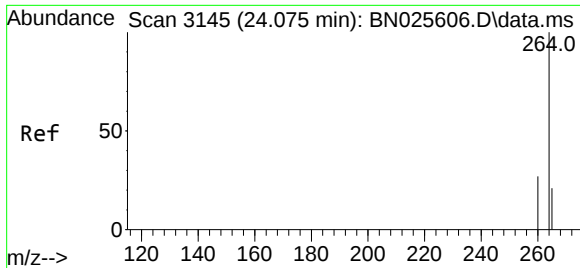
Ion Ratio Lower Upper

149 100

167 27.3 20.4 30.6

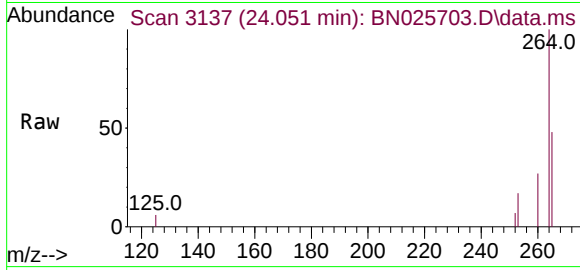
279 3.3 3.3 4.9#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.051 min Scan# 31  
 Delta R.T. -0.018 min  
 Lab File: BN025703.D  
 Acq: 29 May 2023 05:20

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TT101D2-20230523



Tgt Ion:264 Resp: 14350  
 Ion Ratio Lower Upper  
 264 100  
 260 26.6 22.3 33.5  
 265 48.2 54.3 81.5#

