

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102323\  
 Data File : BN028352.D  
 Acq On : 23 Oct 2023 19:36  
 Operator : MA/JU  
 Sample : PB156555BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB156555BL

Quant Time: Oct 24 03:19:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN101223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 23 15:14:08 2023  
 Response via : Initial Calibration

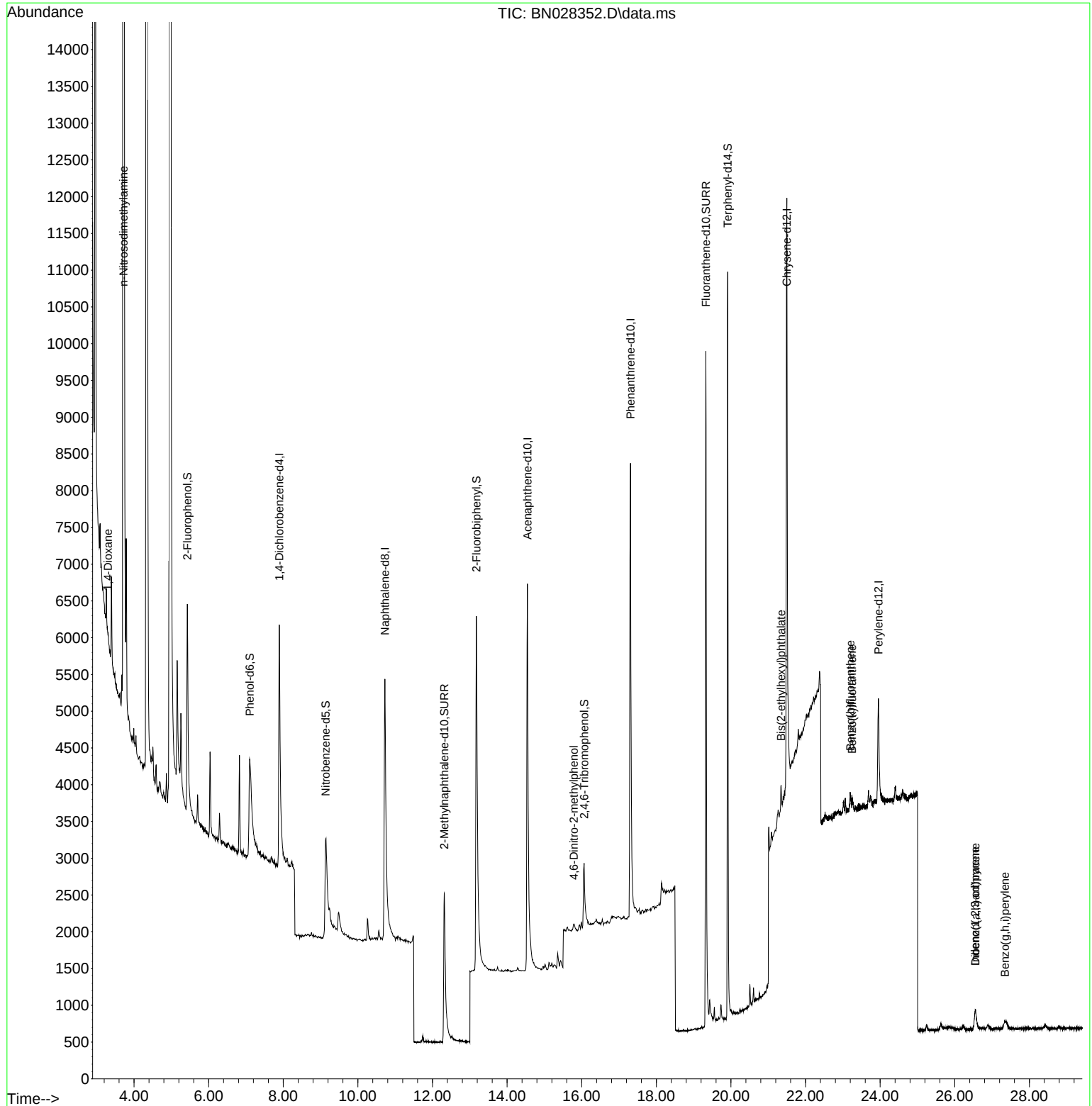
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.893  | 152  | 3111     | 0.400 | ng    | 0.01     |
| 7) Naphthalene-d8             | 10.725 | 136  | 9248     | 0.400 | ng    | # 0.02   |
| 13) Acenaphthene-d10          | 14.544 | 164  | 5396     | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10          | 17.306 | 188  | 12555    | 0.400 | ng    | 0.01     |
| 29) Chrysene-d12              | 21.497 | 240  | 10075    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.952 | 264  | 2695     | 0.400 | ng    | # 0.01   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.430  | 112  | 3494     | 0.362 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.105  | 99   | 3382     | 0.284 | ng    | 0.05     |
| 8) Nitrobenzene-d5            | 9.134  | 82   | 2803     | 0.342 | ng    | 0.03     |
| 11) 2-Methylnaphthalene-d10   | 12.313 | 152  | 5850     | 0.421 | ng    | 0.02     |
| 14) 2,4,6-Tribromophenol      | 16.065 | 330  | 815      | 0.310 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.176 | 172  | 7810     | 0.411 | ng    | 0.01     |
| 27) Fluoranthene-d10          | 19.328 | 212  | 13265    | 0.395 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.913 | 244  | 11337    | 0.530 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.299  | 88   | 89       | 0.024 | ng    | # 24     |
| 3) n-Nitrosodimethylamine     | 3.718  | 42   | 12961    | 3.156 | ng    | # 1      |
| 20) 4,6-Dinitro-2-methylph... | 15.792 | 198  | 4        | 0.184 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.345 | 149  | 668      | 0.024 | ng    | # 92     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.548 | 276  | 305      | 0.028 | ng    | # 54     |
| 37) Benzo(b)fluoranthene      | 23.200 | 252  | 345      | 0.041 | ng    | # 1      |
| 38) Benzo(k)fluoranthene      | 23.247 | 252  | 262      | 0.031 | ng    | # 1      |
| 40) Dibenzo(a,h)anthracene    | 26.551 | 278  | 199      | 0.023 | ng    | # 1      |
| 41) Benzo(g,h,i)perylene      | 27.343 | 276  | 314      | 0.034 | ng    | # 1      |
| -----                         |        |      |          |       |       |          |

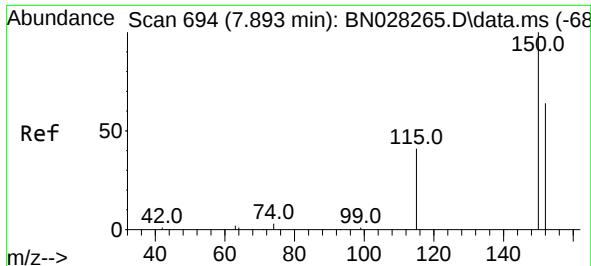
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN102323\  
Data File : BN028352.D  
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Sample : PB156555BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB156555BL

Quant Time: Oct 24 03:19:48 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN101223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 23 15:14:08 2023  
Response via : Initial Calibration

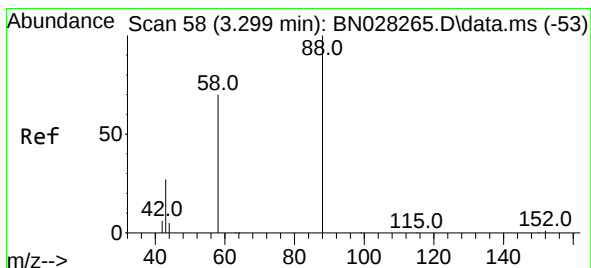
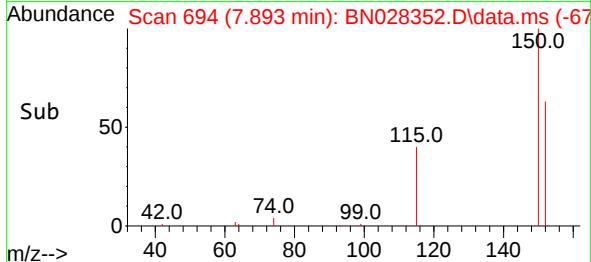
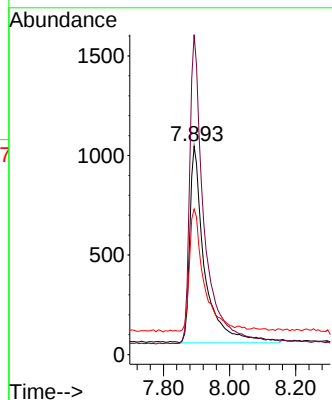
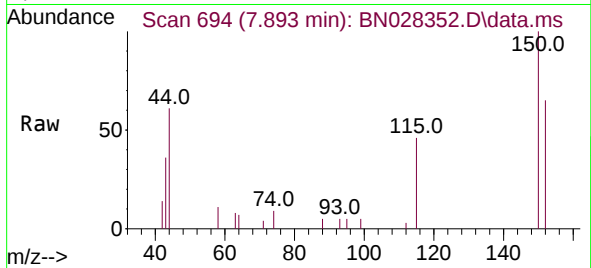




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.893 min Scan# 694  
 Delta R.T. 0.015 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

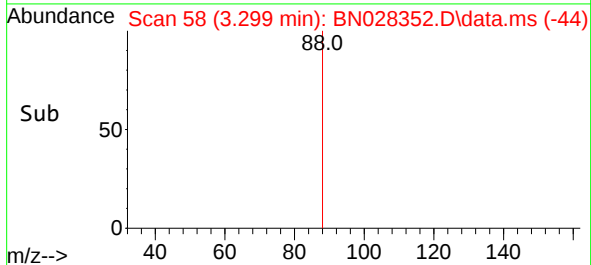
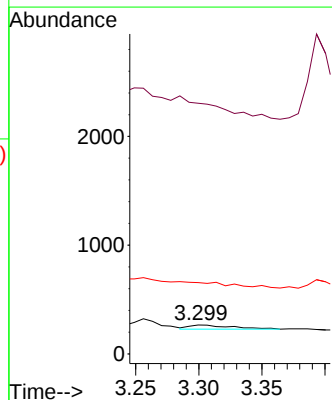
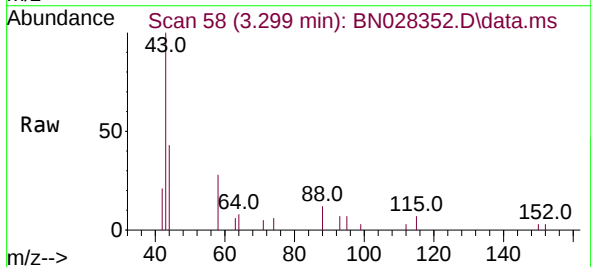
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB156555BL

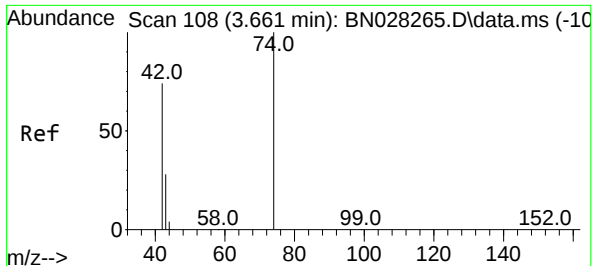
Tgt Ion:152 Resp: 3111  
 Ion Ratio Lower Upper  
 152 100  
 150 153.5 121.6 182.4  
 115 69.9 54.3 81.5



#2  
 1,4-Dioxane  
 Concen: 0.024 ng  
 RT: 3.299 min Scan# 58  
 Delta R.T. 0.000 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

Tgt Ion: 88 Resp: 89  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 26.6 39.8#  
 58 0.0 55.4 83.0#

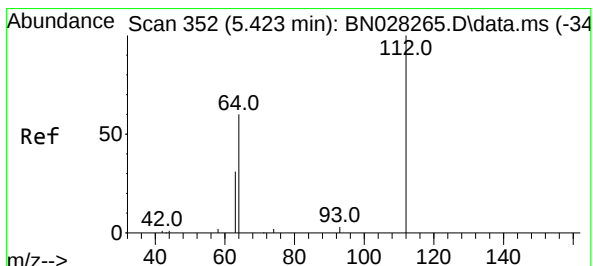
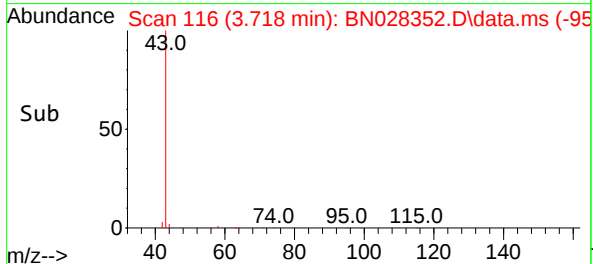
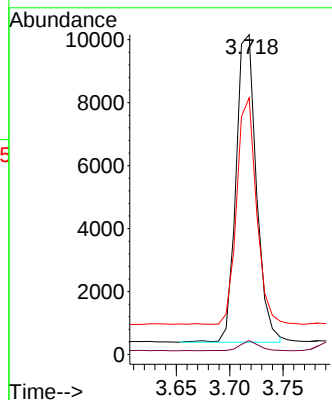
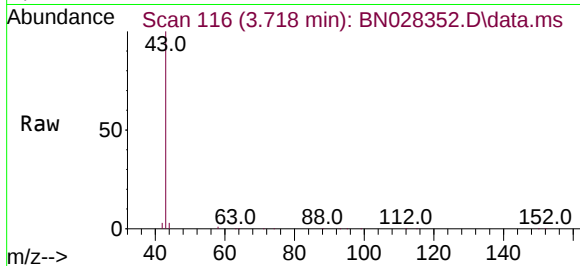




#3  
n-Nitrosodimethylamine  
Concen: 3.156 ng  
RT: 3.718 min Scan# 116  
Delta R.T. 0.051 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

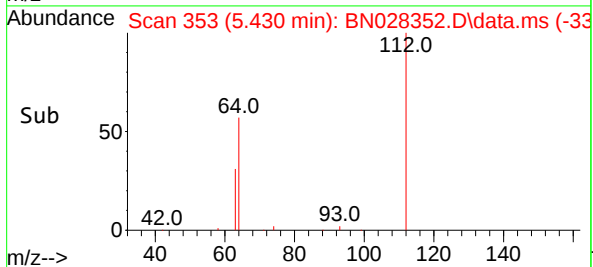
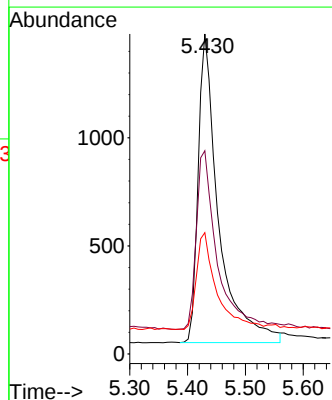
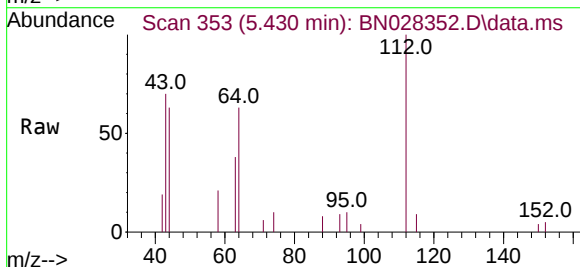
Instrument :  
BNA\_N  
ClientSampleId :  
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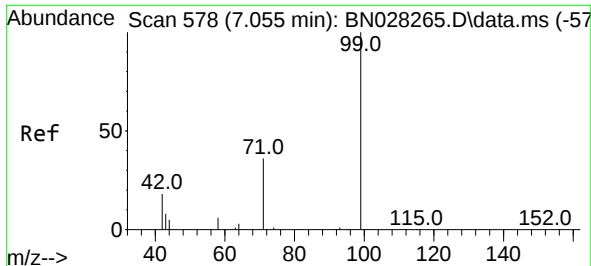
Tgt Ion: 42 Resp: 12961  
Ion Ratio Lower Upper  
42 100  
74 2.9 112.6 168.8#  
44 71.2 7.8 11.6#



#4  
2-Fluorophenol  
Concen: 0.362 ng  
RT: 5.430 min Scan# 353  
Delta R.T. 0.000 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

Tgt Ion: 112 Resp: 3494  
Ion Ratio Lower Upper  
112 100  
64 59.5 46.9 70.3  
63 31.0 25.0 37.4

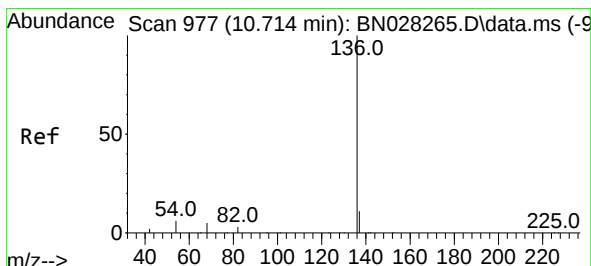
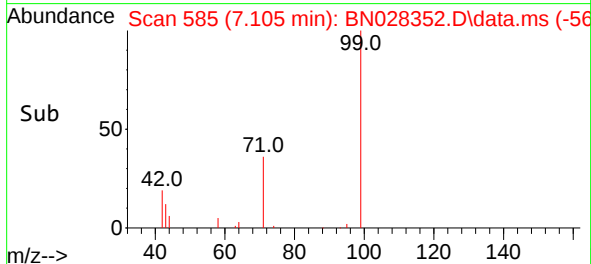
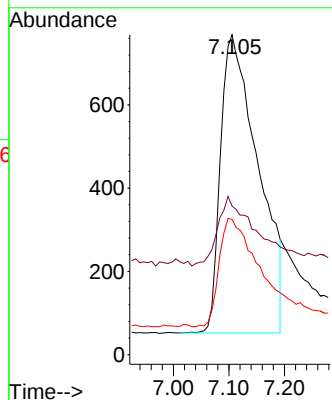
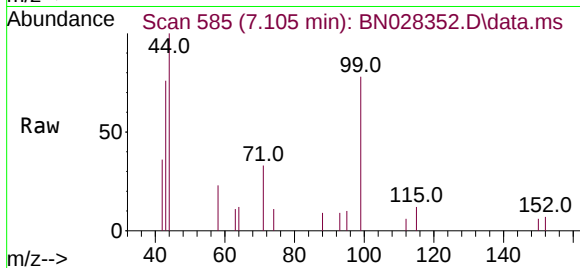




#5  
Phenol-d6  
Concen: 0.284 ng  
RT: 7.105 min Scan# 585  
Delta R.T. 0.051 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

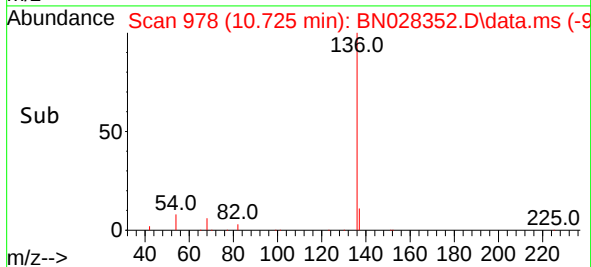
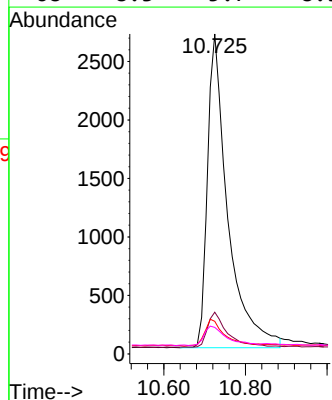
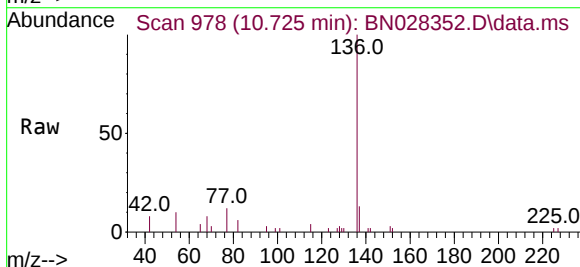
Instrument :  
BNA\_N  
ClientSampleId :  
PB156555BL

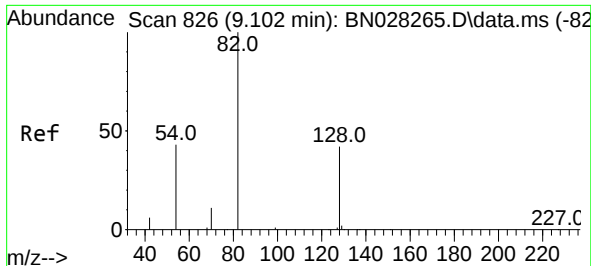
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 3382  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 22.5  | 15.9  | 23.9  |
| 71       | 37.2  | 28.6  | 42.8  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.725 min Scan# 978  
Delta R.T. 0.021 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 9248  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 13.0  | 9.8   | 14.8  |
| 54       | 10.2  | 6.2   | 9.4   |
| 68       | 8.3   | 5.7   | 8.5   |

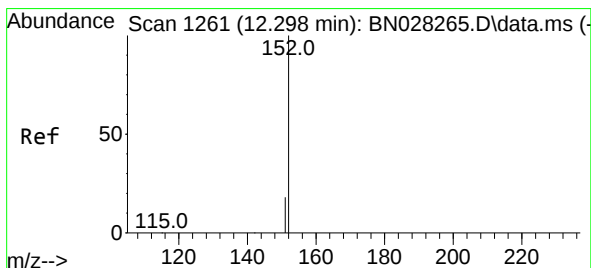
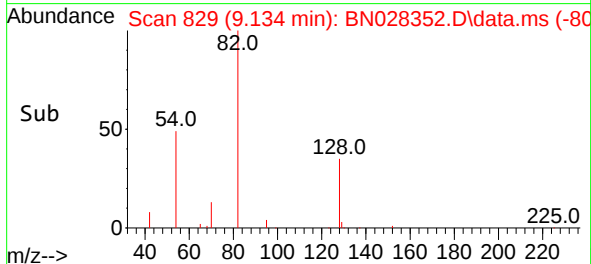
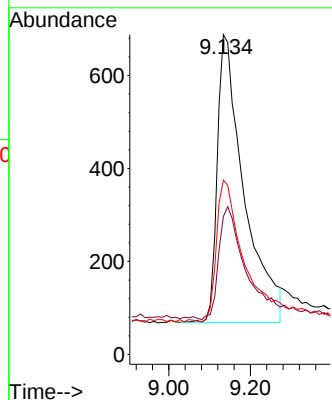
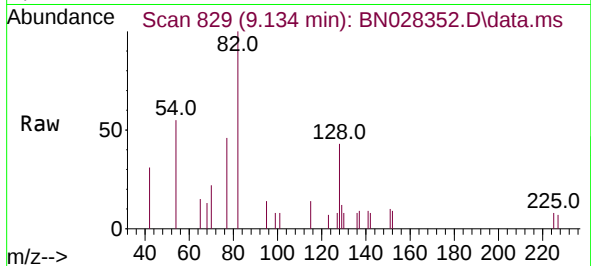




#8  
 Nitrobenzene-d5  
 Concen: 0.342 ng  
 RT: 9.134 min Scan# 81  
 Delta R.T. 0.032 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

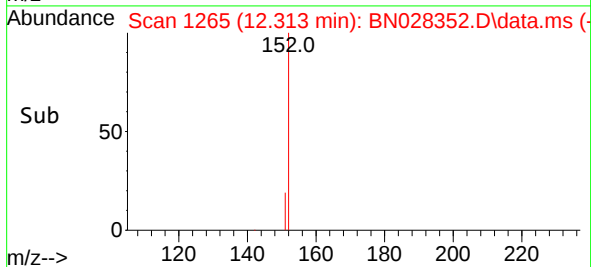
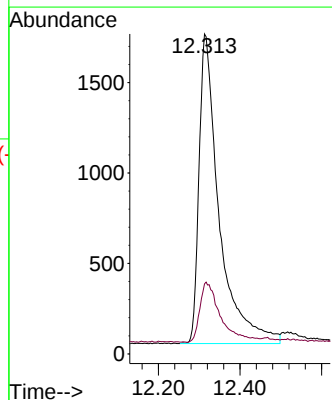
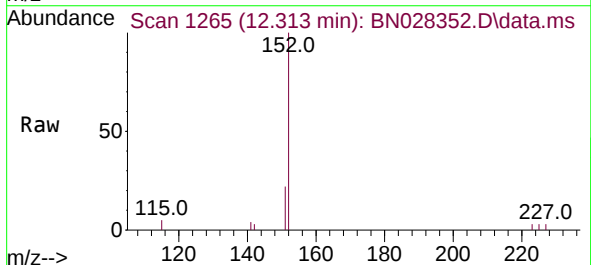
Instrument :  
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 ClientSampleId :  
 PB156555BL

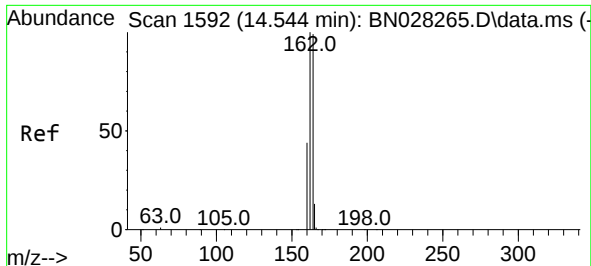
Tgt Ion: 82 Resp: 2803  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 36.8 55.2  
 54 54.5 37.4 56.2



#11  
 2-Methylnaphthalene-d10  
 Concen: 0.421 ng  
 RT: 12.313 min Scan# 1265  
 Delta R.T. 0.019 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

Tgt Ion: 152 Resp: 5850  
 Ion Ratio Lower Upper  
 152 100  
 151 19.8 16.1 24.1

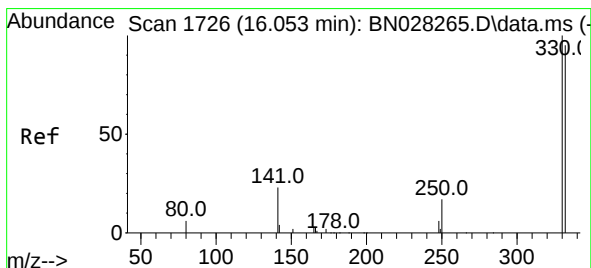
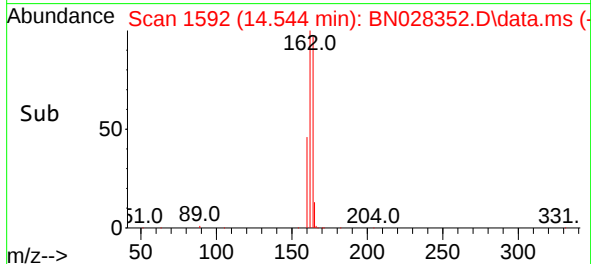
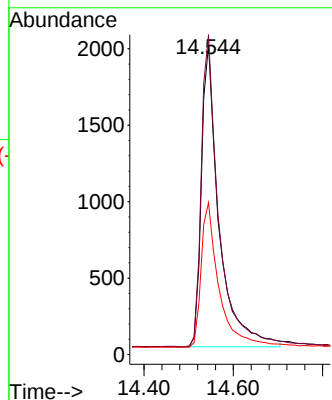
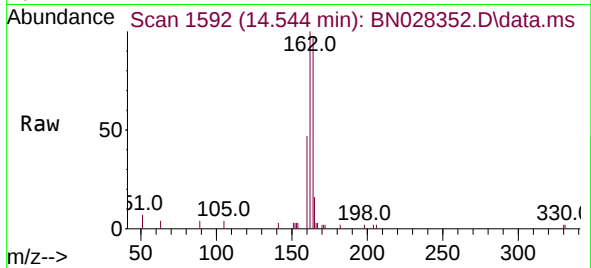




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.544 min Scan# 11  
Delta R.T. 0.011 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

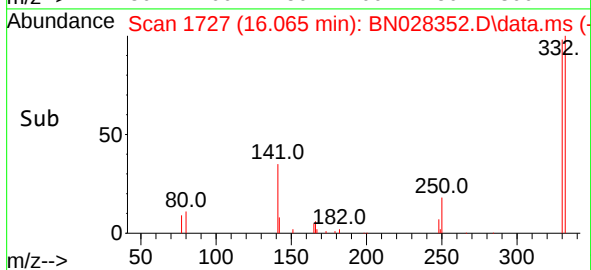
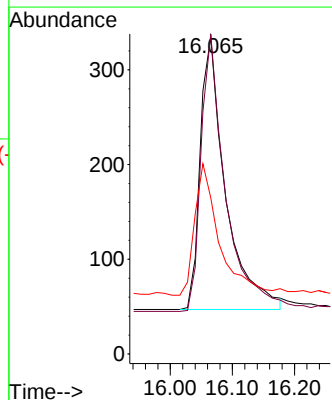
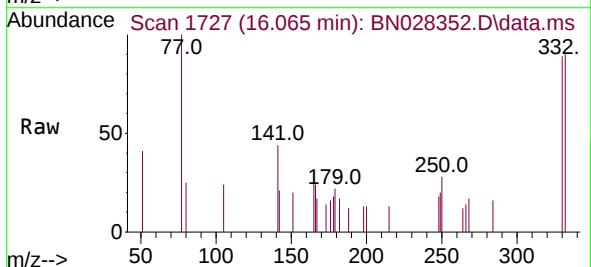
Instrument :  
BNA\_N  
ClientSampleId :  
PB156555BL

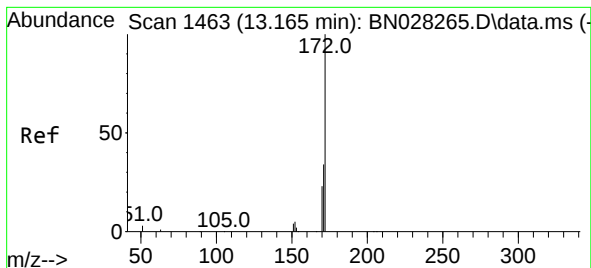
Tgt Ion:164 Resp: 5396  
Ion Ratio Lower Upper  
164 100  
162 103.3 81.1 121.7  
160 49.0 36.6 54.8



#14  
2,4,6-Tribromophenol  
Concen: 0.310 ng  
RT: 16.065 min Scan# 1727  
Delta R.T. 0.000 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

Tgt Ion:330 Resp: 815  
Ion Ratio Lower Upper  
330 100  
332 98.7 74.1 111.1  
141 46.7 32.1 48.1





#15

2-Fluorobiphenyl

Concen: 0.411 ng

RT: 13.176 min Scan# 1463

Delta R.T. 0.011 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

Instrument :

BNA\_N

ClientSampleId :

PB156555BL

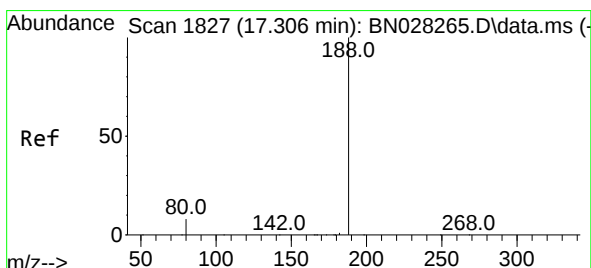
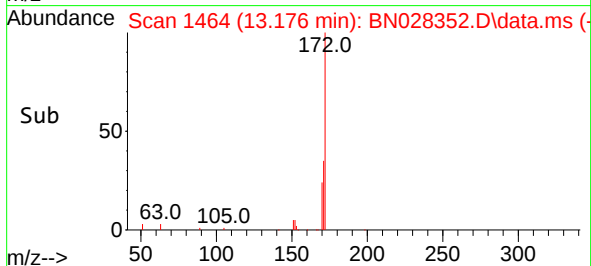
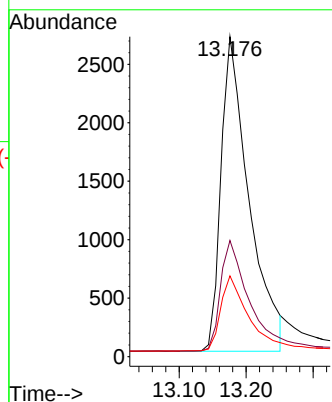
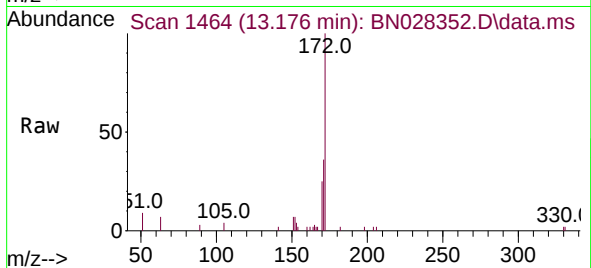
Tgt Ion:172 Resp: 7810

Ion Ratio Lower Upper

172 100

171 36.3 28.3 42.5

170 25.2 18.7 28.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.306 min Scan# 1827

Delta R.T. 0.012 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

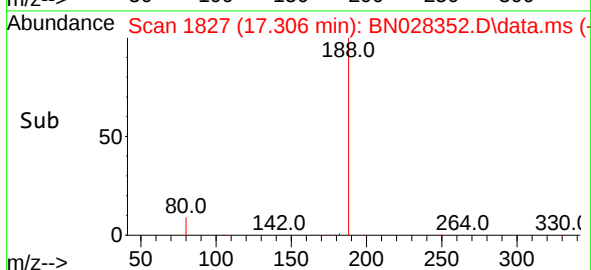
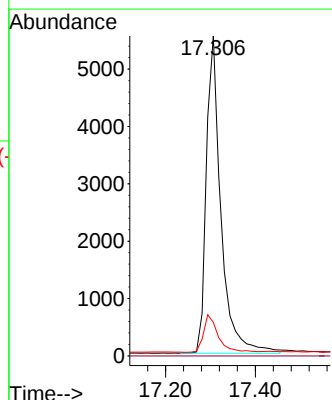
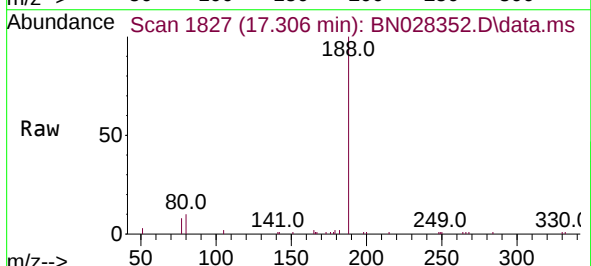
Tgt Ion:188 Resp: 12555

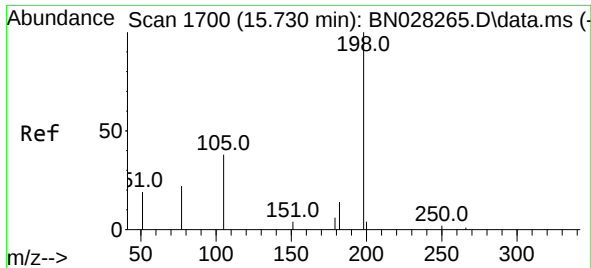
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 7.1 10.7

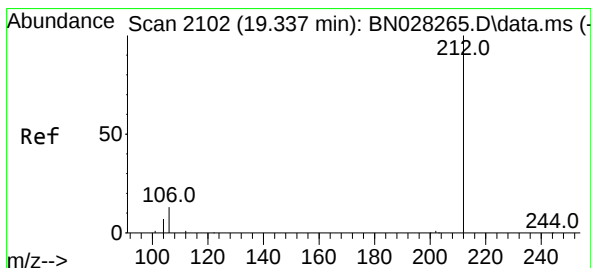
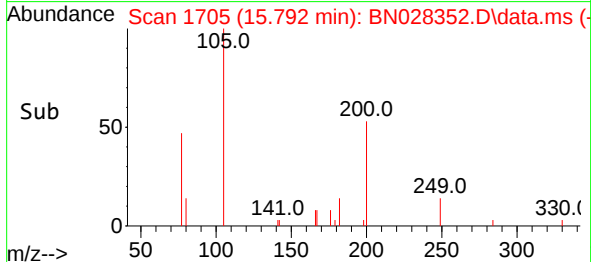
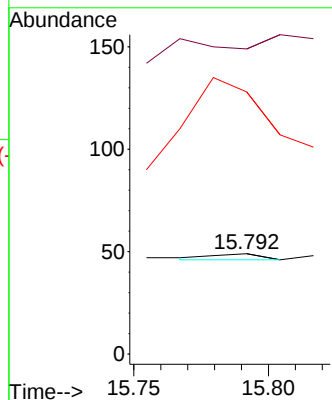
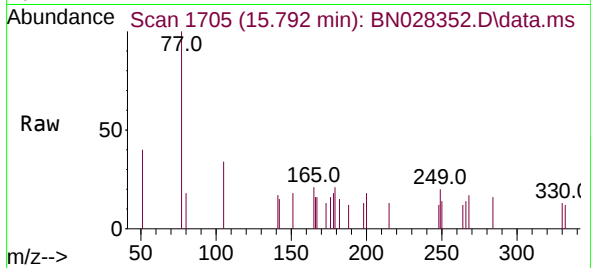




#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.184 ng  
RT: 15.792 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

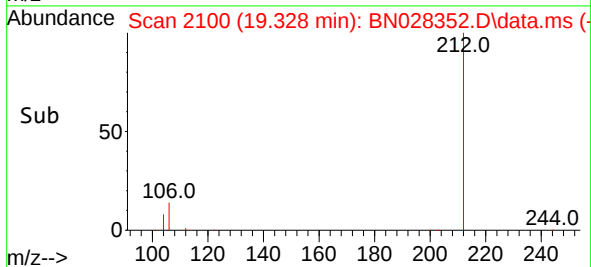
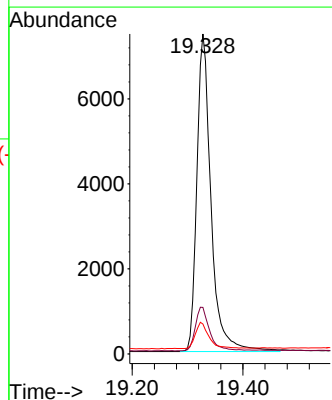
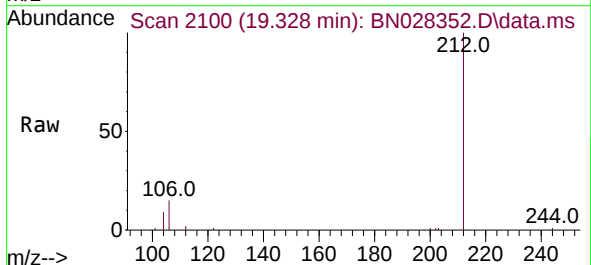
Instrument :  
BNA\_N  
ClientSampleId :  
PB156555BL

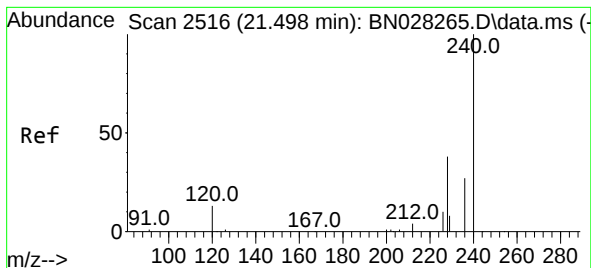
Tgt Ion:198 Resp: 4  
Ion Ratio Lower Upper  
198 100  
51 304.1 96.1 144.1#  
105 261.2 75.4 113.0#



#27  
Fluoranthene-d10  
Concen: 0.395 ng  
RT: 19.328 min Scan# 2100  
Delta R.T. 0.000 min  
Lab File: BN028352.D  
Acq: 23 Oct 2023 19:36

Tgt Ion:212 Resp: 13265  
Ion Ratio Lower Upper  
212 100  
106 13.9 11.5 17.3  
104 8.1 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.497 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

Instrument :

BNA\_N

ClientSampleId :

PB156555BL

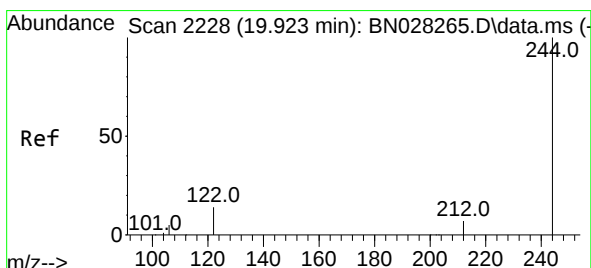
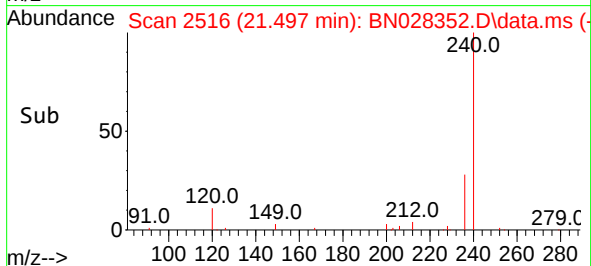
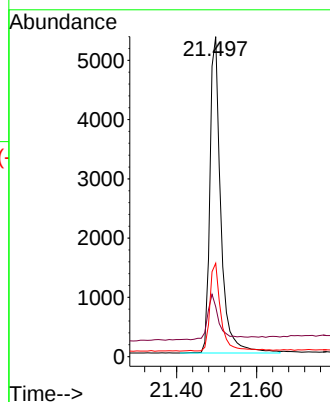
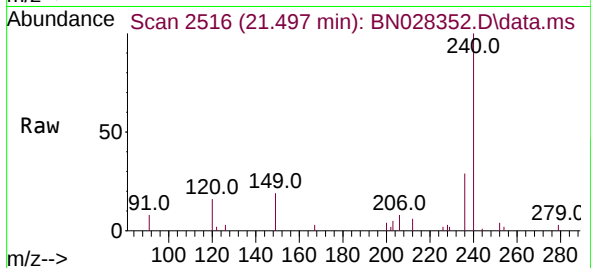
Tgt Ion:240 Resp: 10075

Ion Ratio Lower Upper

240 100

120 15.6 13.4 20.0

236 29.2 22.7 34.1



#31

Terphenyl-d14

Concen: 0.530 ng

RT: 19.913 min Scan# 2226

Delta R.T. -0.005 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

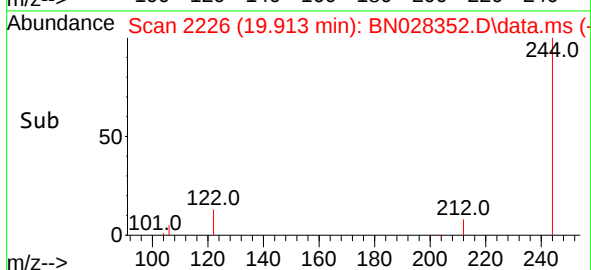
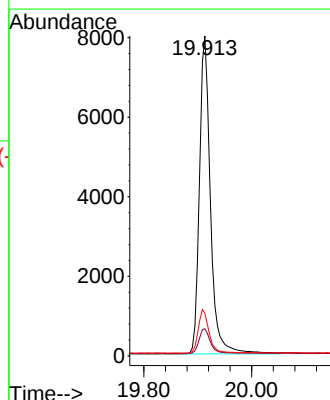
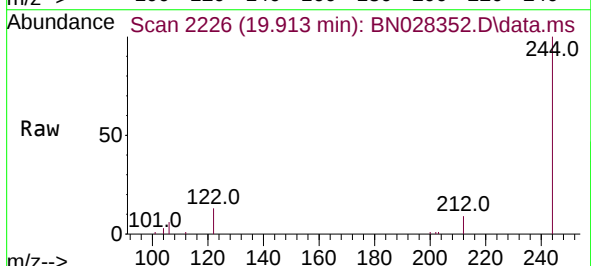
Tgt Ion:244 Resp: 11337

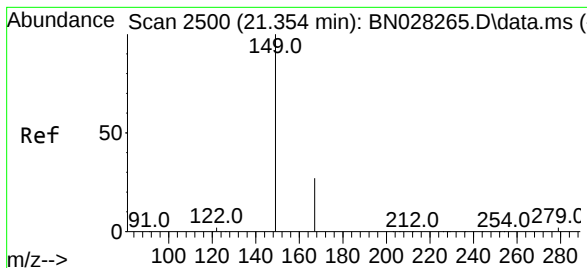
Ion Ratio Lower Upper

244 100

212 8.5 6.6 10.0

122 13.4 11.7 17.5

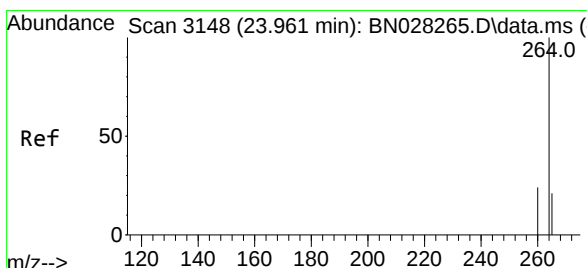
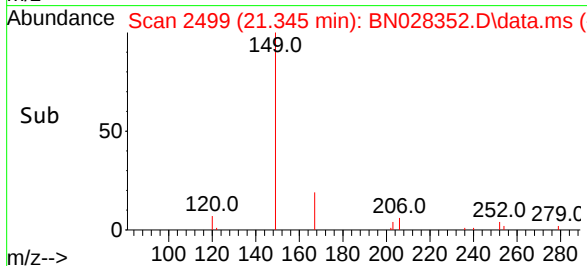
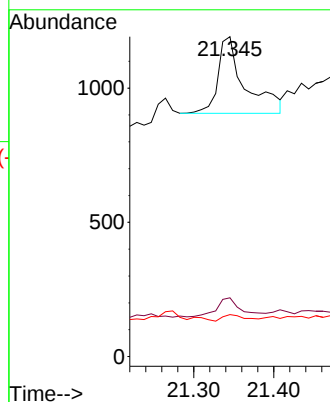
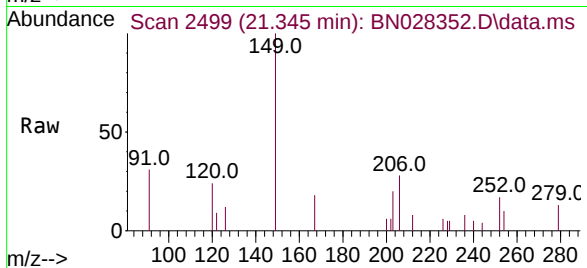




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.024 ng  
 RT: 21.345 min Scan# 24  
 Delta R.T. 0.000 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

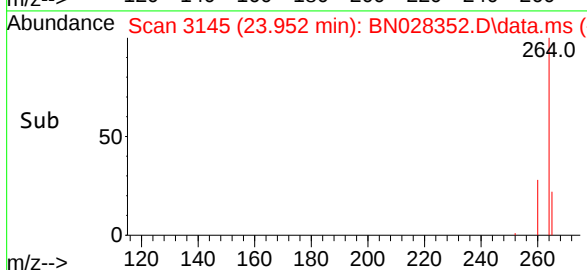
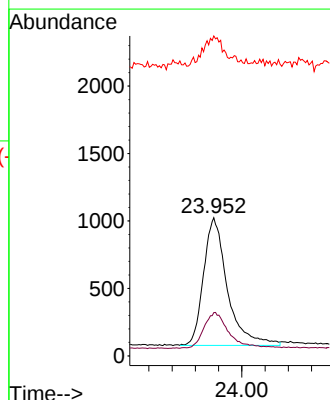
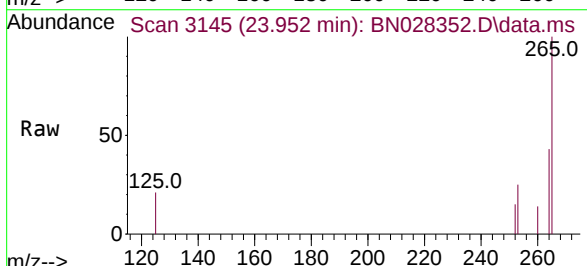
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB156555BL

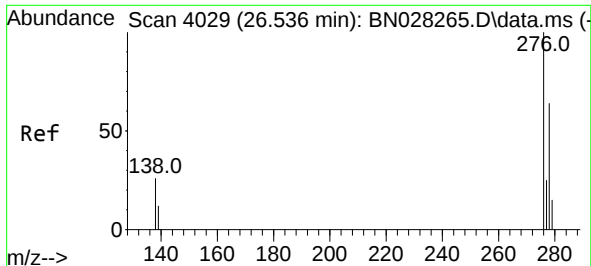
Tgt Ion:149 Resp: 668  
 Ion Ratio Lower Upper  
 149 100  
 167 23.8 22.6 34.0  
 279 7.0 4.2 6.2#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.952 min Scan# 3145  
 Delta R.T. 0.015 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

Tgt Ion:264 Resp: 2695  
 Ion Ratio Lower Upper  
 264 100  
 260 31.3 20.7 31.1#  
 265 231.6 38.3 57.5#

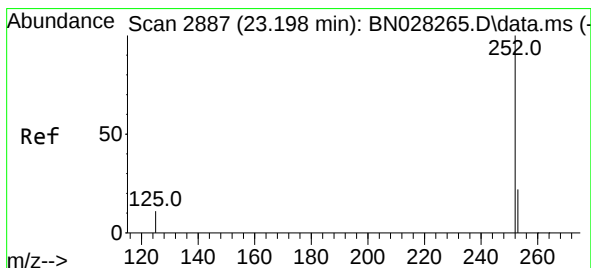
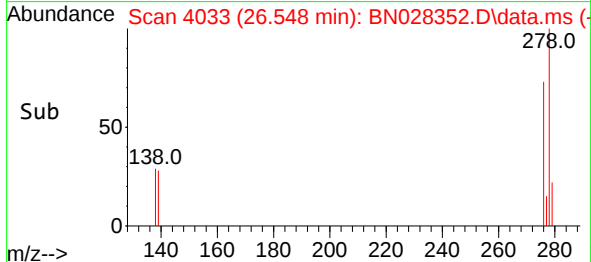
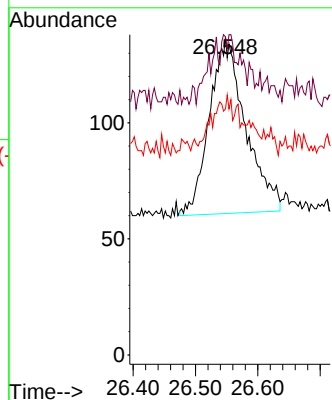
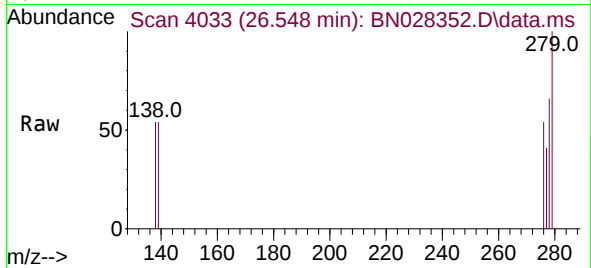




#36  
 Indeno(1,2,3-cd)pyrene  
 Concen: 0.028 ng  
 RT: 26.548 min Scan# 4029  
 Delta R.T. 0.044 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

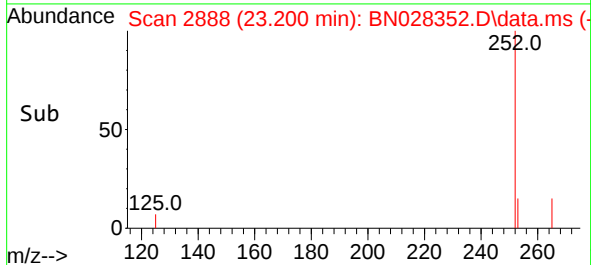
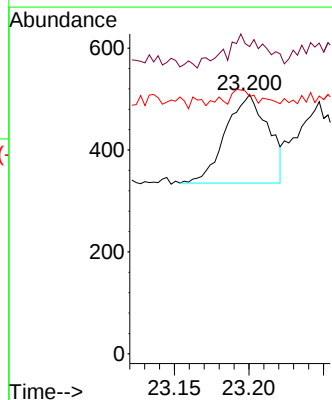
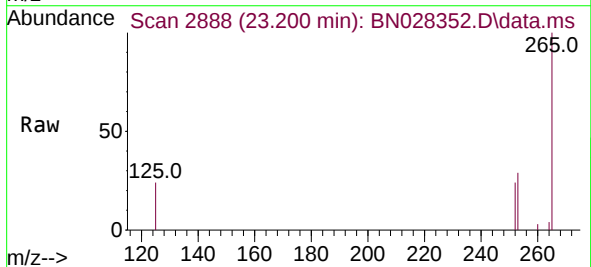
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB156555BL

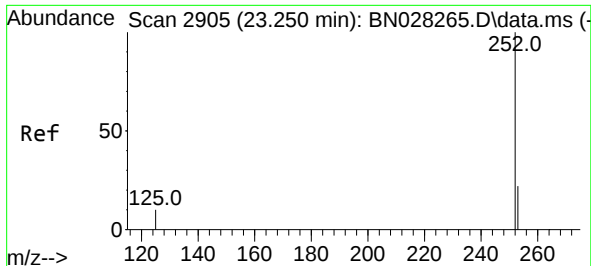
Tgt Ion:276 Resp: 305  
 Ion Ratio Lower Upper  
 276 100  
 138 2.3 21.3 31.9#  
 277 3.0 20.0 30.0#



#37  
 Benzo(b)fluoranthene  
 Concen: 0.041 ng  
 RT: 23.200 min Scan# 2888  
 Delta R.T. 0.023 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

Tgt Ion:252 Resp: 345  
 Ion Ratio Lower Upper  
 252 100  
 253 118.5 21.8 32.8#  
 125 99.2 15.6 23.4#





#38

Benzo(k)fluoranthene

Concen: 0.031 ng

RT: 23.247 min Scan# 2905

Delta R.T. 0.021 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

Instrument :

BNA\_N

ClientSampleId :

PB156555BL

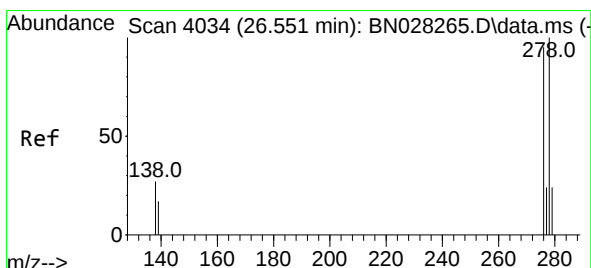
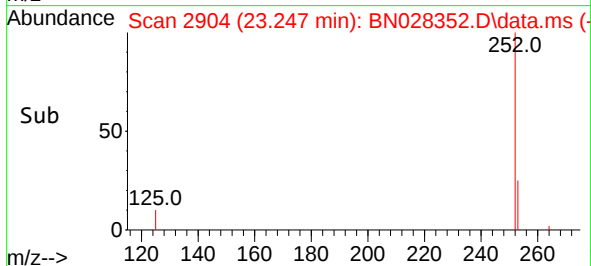
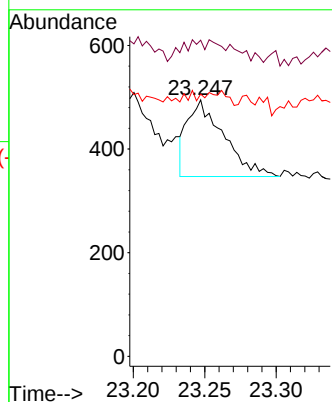
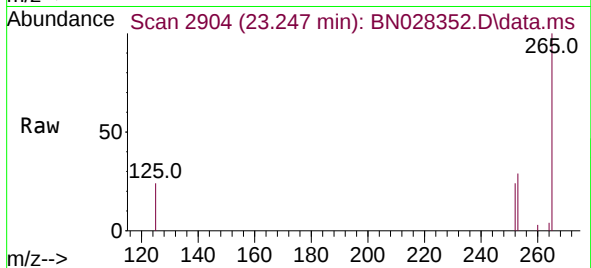
Tgt Ion:252 Resp: 262

Ion Ratio Lower Upper

252 100

253 123.2 22.0 33.0#

125 102.2 15.3 22.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.023 ng

RT: 26.551 min Scan# 4034

Delta R.T. 0.032 min

Lab File: BN028352.D

Acq: 23 Oct 2023 19:36

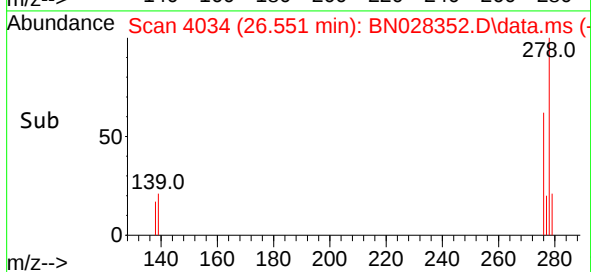
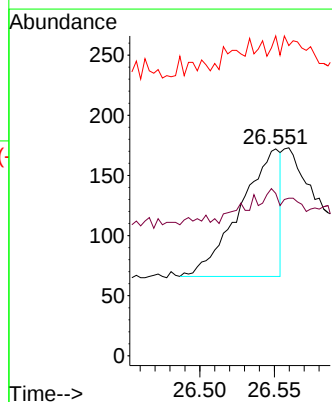
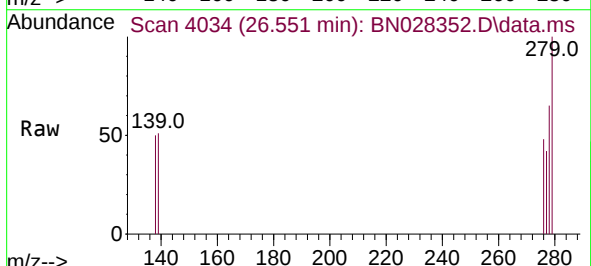
Tgt Ion:278 Resp: 199

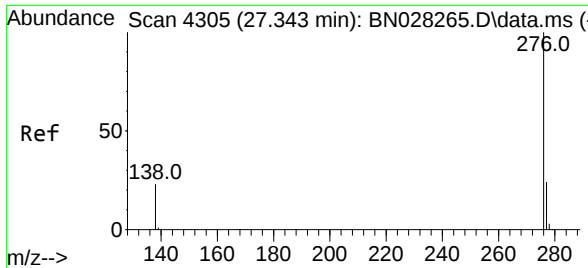
Ion Ratio Lower Upper

278 100

139 78.5 18.8 28.2#

279 154.7 23.5 35.3#





#41  
 Benzo(g,h,i)perylene  
 Concen: 0.034 ng  
 RT: 27.343 min Scan# 41  
 Delta R.T. 0.038 min  
 Lab File: BN028352.D  
 Acq: 23 Oct 2023 19:36

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB156555BL

Tgt Ion: 276 Resp: 314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 77.0  | 21.7  | 32.5# |
| 138 | 95.6  | 21.7  | 32.5# |

