

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040524\  
 Data File : BG060803.D  
 Acq On : 5 Apr 2024 19:47  
 Operator : MA/JU  
 Sample : P1995-05 10X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MOO-23-00113

Quant Time: Apr 05 23:10:47 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG032924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 30 03:12:26 2024  
 Response via : Initial Calibration

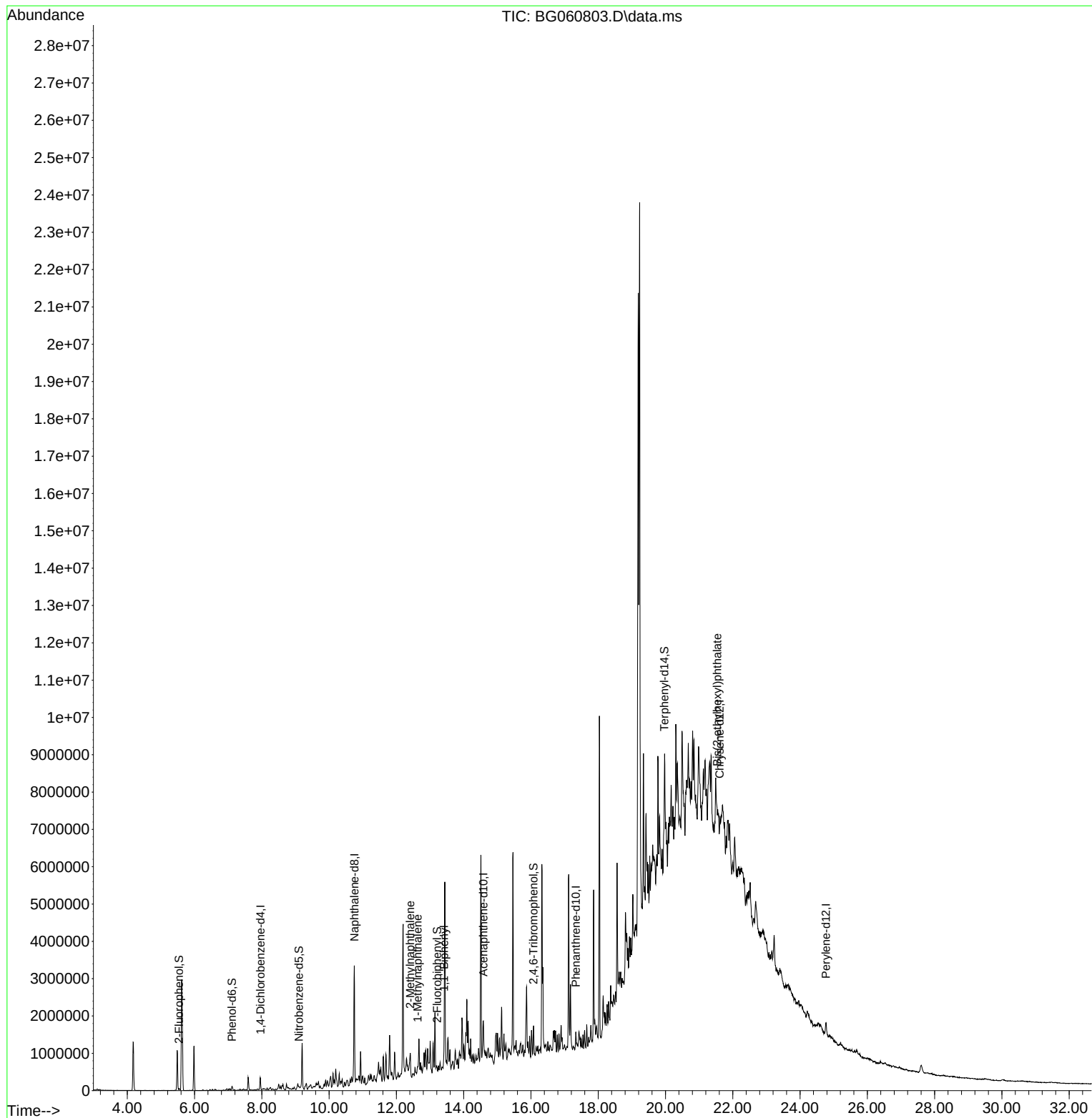
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.958  | 152  | 61083    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.755 | 136  | 227044   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.586 | 164  | 165371   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.336 | 188  | 351331   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.613 | 240  | 274965   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.768 | 264  | 368179   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.538  | 112  | 22796    | 6.217  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.112  | 99   | 32427    | 5.958  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.104  | 82   | 26225    | 6.591  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.072 | 330  | 15604    | 8.312  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.211 | 172  | 57061    | 5.064  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.968 | 244  | 82459    | 5.281  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 37) 2-Methylnaphthalene       | 12.412 | 142  | 74622    | 8.264  | ng    | # 95     |
| 38) 1-Methylnaphthalene       | 12.629 | 142  | 43416    | 5.090  | ng    | # 95     |
| 46) 1,1'-Biphenyl             | 13.417 | 154  | 41566    | 3.559  | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.537 | 149  | 35546    | 3.179  | ng    | # 64     |
| -----                         |        |      |          |        |       |          |

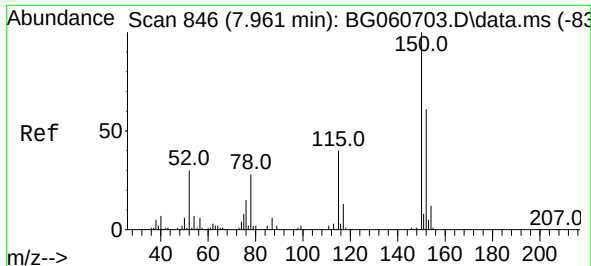
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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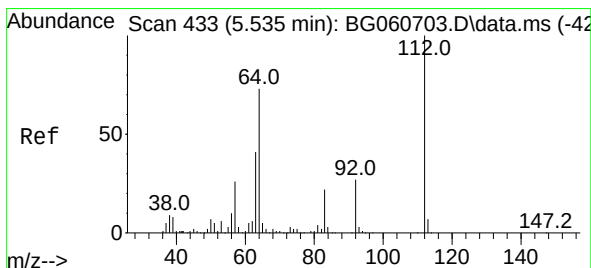
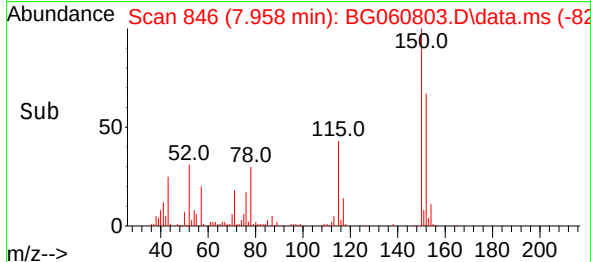
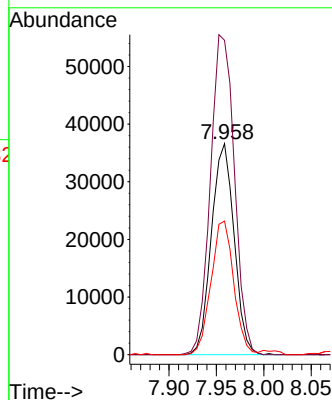
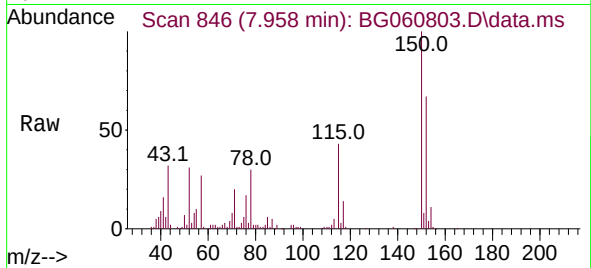




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.958 min Scan# 846  
Delta R.T. -0.003 min  
Lab File: BG060803.D  
Acq: 5 Apr 2024 19:47

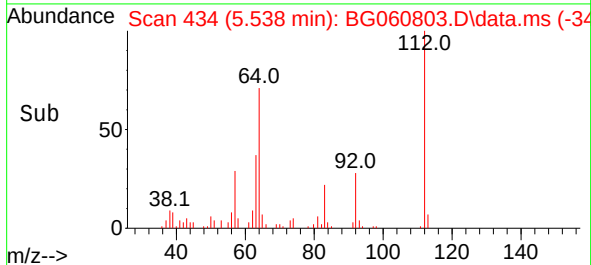
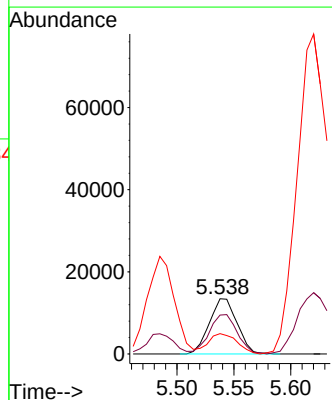
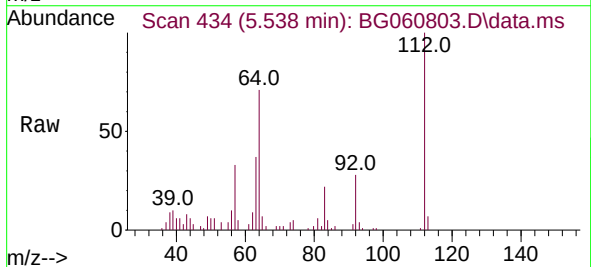
Instrument :  
BNA\_G  
ClientSampleId :  
MOO-23-00113

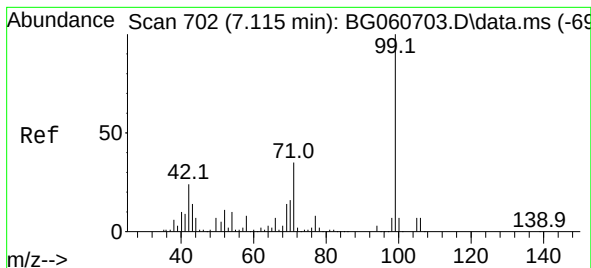
Tgt Ion:152 Resp: 61083  
Ion Ratio Lower Upper  
152 100  
150 149.0 130.2 195.4  
115 63.3 51.6 77.4



#5  
2-Fluorophenol  
Concen: 6.217 ng  
RT: 5.538 min Scan# 434  
Delta R.T. 0.003 min  
Lab File: BG060803.D  
Acq: 5 Apr 2024 19:47

Tgt Ion:112 Resp: 22796  
Ion Ratio Lower Upper  
112 100  
64 70.6 58.4 87.6  
63 36.8 32.7 49.1





#7

Phenol-d6

Concen: 5.958 ng

RT: 7.112 min Scan# 702

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113

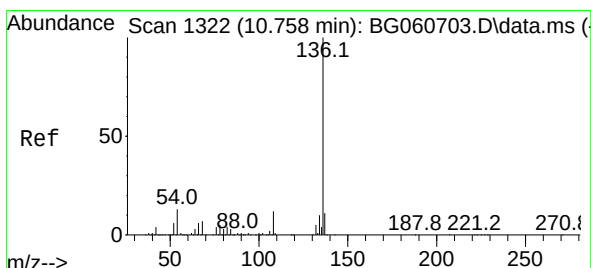
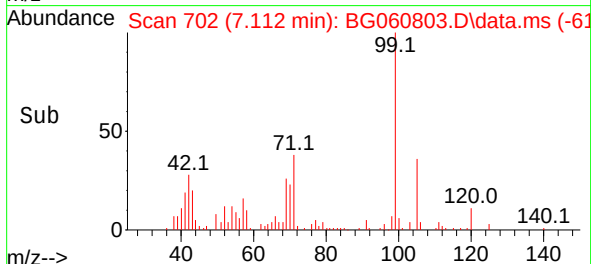
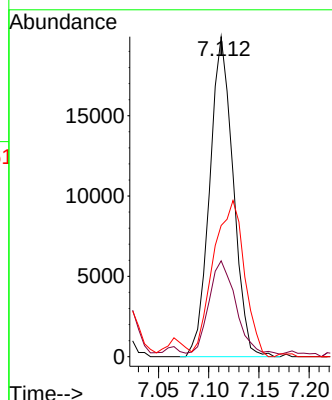
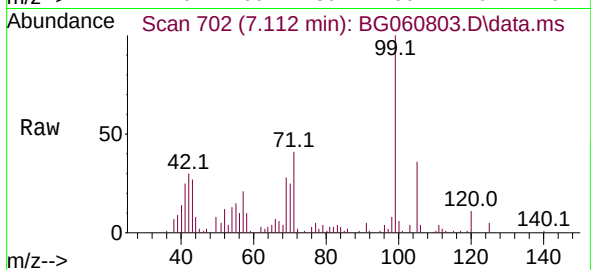
Tgt Ion: 99 Resp: 32427

Ion Ratio Lower Upper

99 100

42 30.0 19.4 29.2#

71 41.0 28.2 42.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.755 min Scan# 1322

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Tgt Ion:136 Resp: 227044

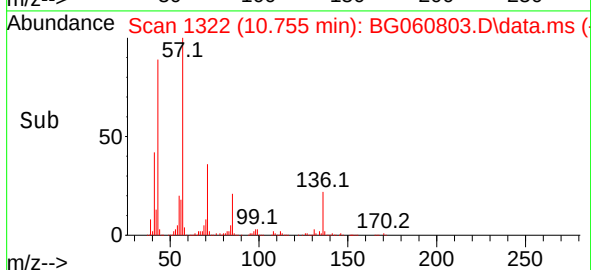
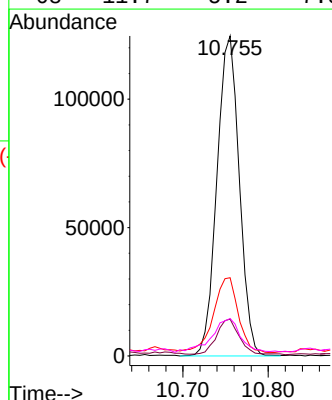
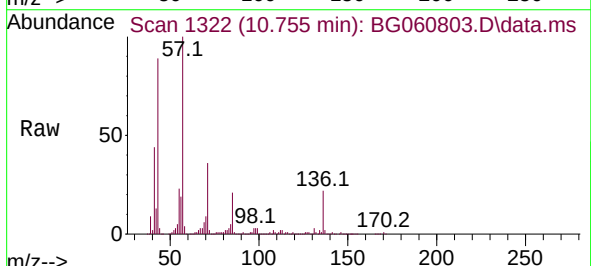
Ion Ratio Lower Upper

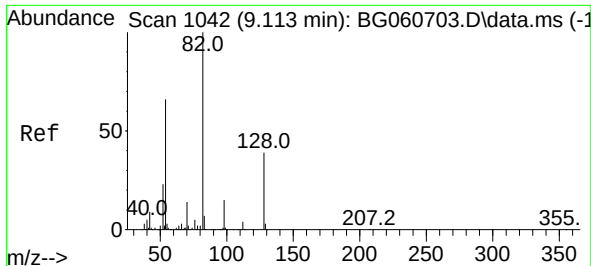
136 100

137 11.5 8.8 13.2

54 24.4 10.2 15.2#

68 11.7 5.2 7.8#





#23

Nitrobenzene-d5

Concen: 6.591 ng

RT: 9.104 min Scan# 1042

Delta R.T. -0.009 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113

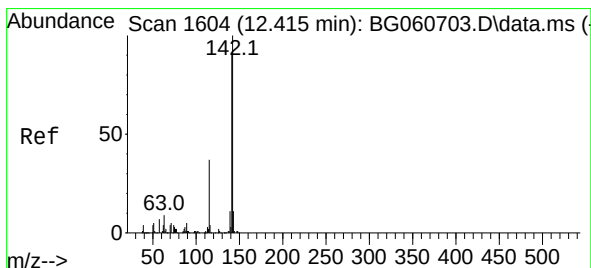
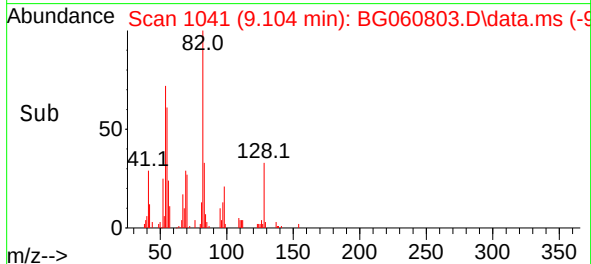
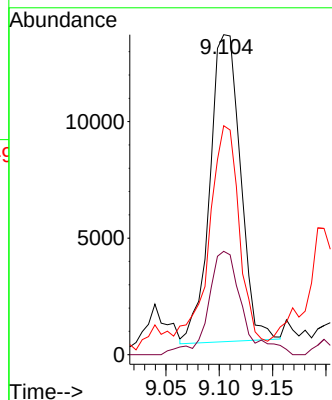
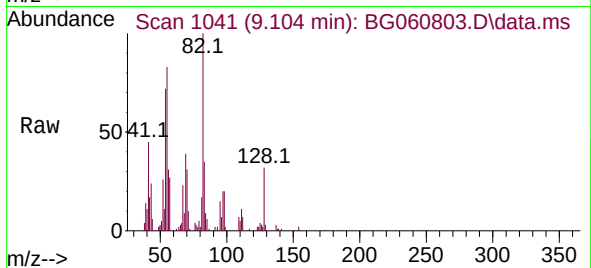
Tgt Ion: 82 Resp: 26225

Ion Ratio Lower Upper

82 100

128 32.3 31.2 46.8

54 71.5 53.2 79.8



#37

2-Methylnaphthalene

Concen: 8.264 ng

RT: 12.412 min Scan# 1604

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

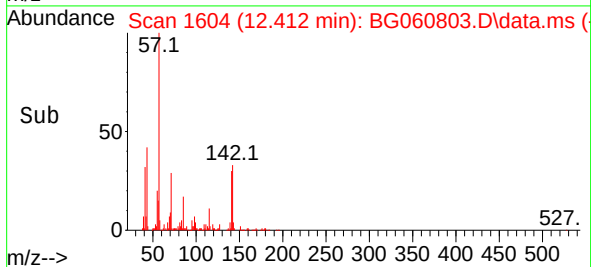
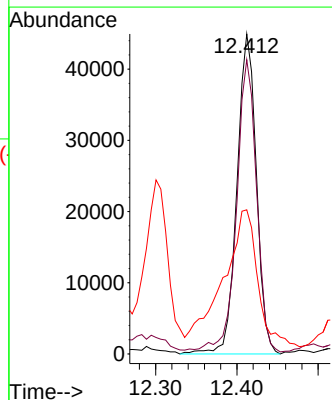
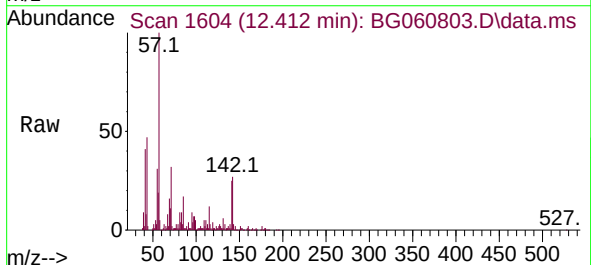
Tgt Ion:142 Resp: 74622

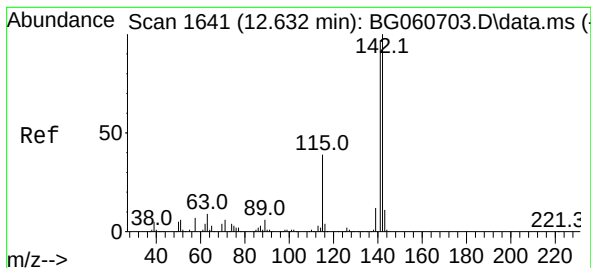
Ion Ratio Lower Upper

142 100

141 92.0 72.7 109.1

115 45.1 29.9 44.9#





#38

1-Methylnaphthalene

Concen: 5.090 ng

RT: 12.629 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113

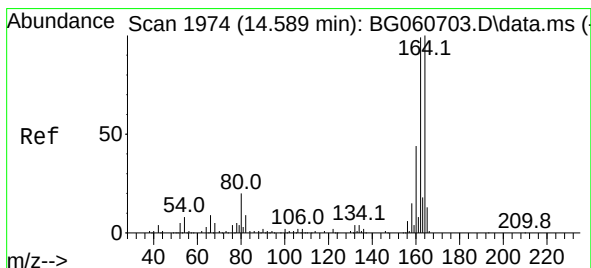
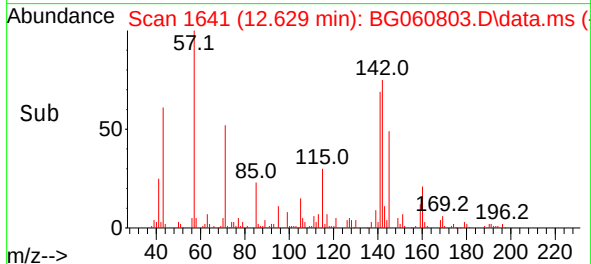
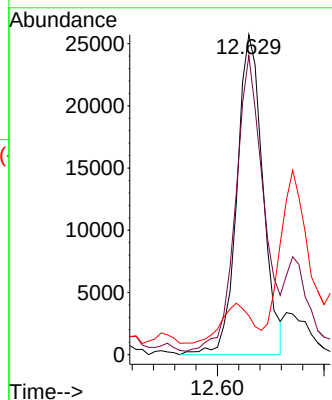
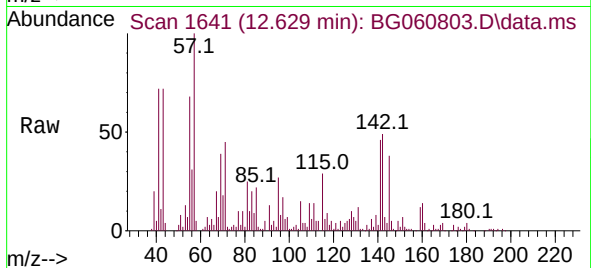
Tgt Ion:142 Resp: 43416

Ion Ratio Lower Upper

142 100

141 93.5 77.7 116.5

116 12.2 3.4 5.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.586 min Scan# 1974

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

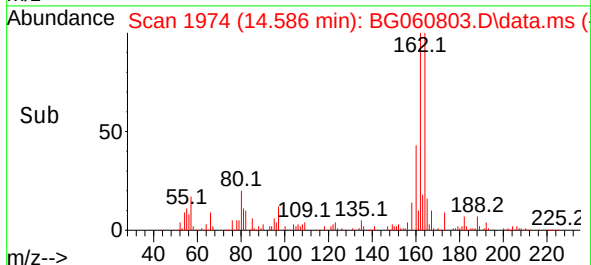
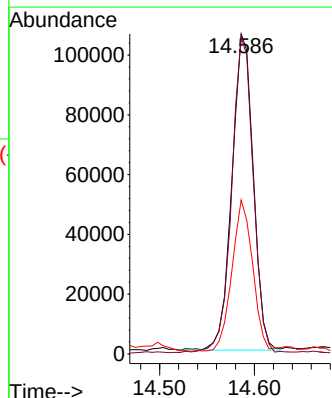
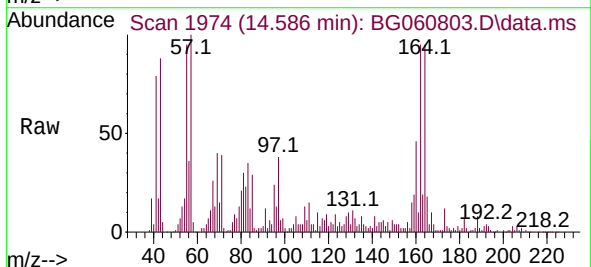
Tgt Ion:164 Resp: 165371

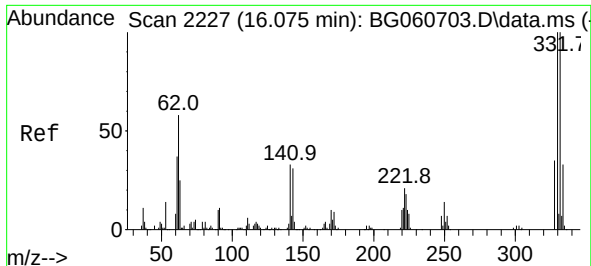
Ion Ratio Lower Upper

164 100

162 99.2 79.5 119.3

160 48.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 8.312 ng

RT: 16.072 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060803.D

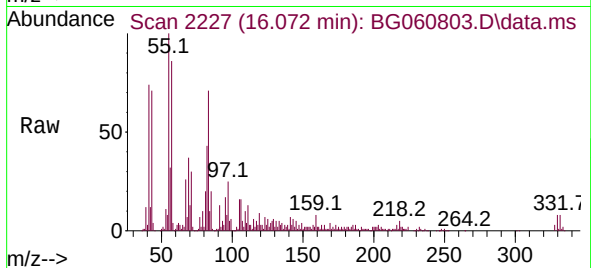
Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113



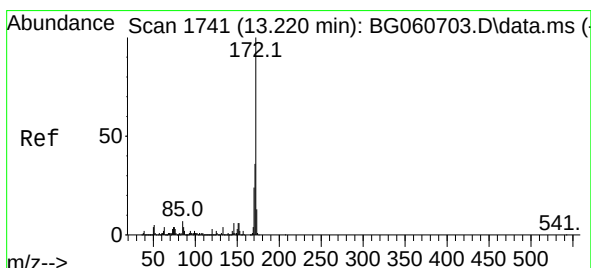
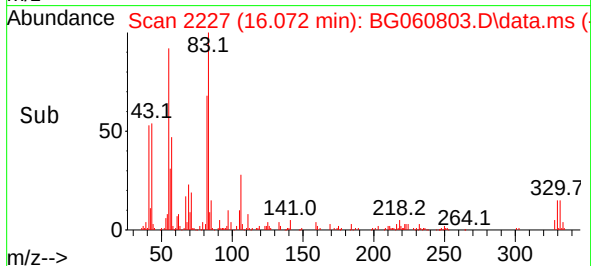
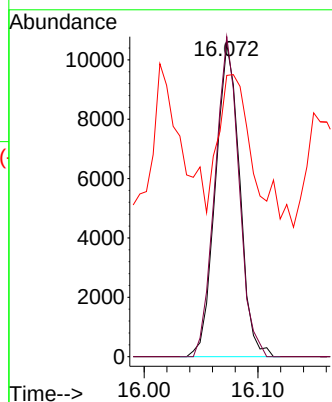
Tgt Ion:330 Resp: 15604

Ion Ratio Lower Upper

330 100

332 101.2 78.2 117.4

141 68.6 27.0 40.6#



#45

2-Fluorobiphenyl

Concen: 5.064 ng

RT: 13.211 min Scan# 1740

Delta R.T. -0.009 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

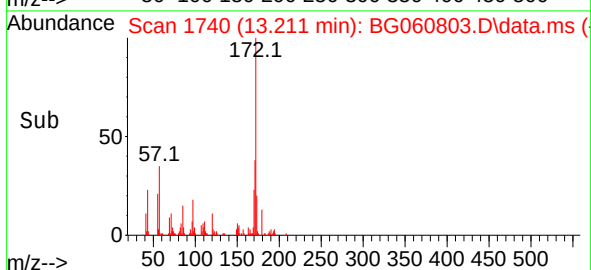
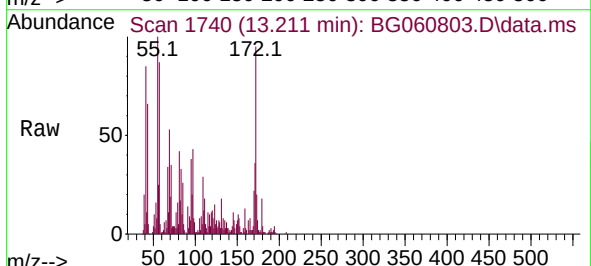
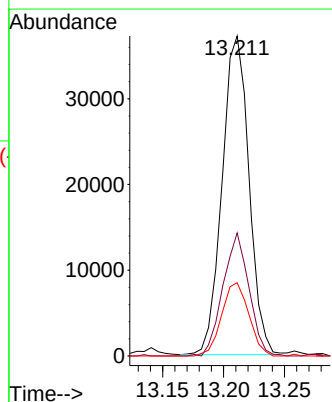
Tgt Ion:172 Resp: 57061

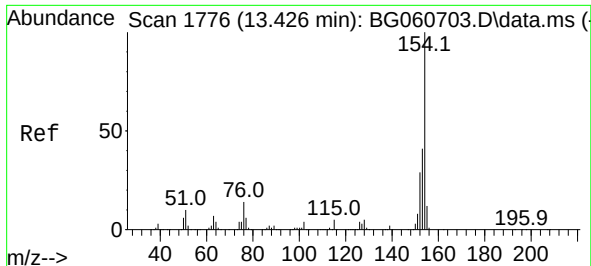
Ion Ratio Lower Upper

172 100

171 38.4 28.7 43.1

170 22.9 19.4 29.0





#46

1,1'-Biphenyl

Concen: 3.559 ng

RT: 13.417 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113

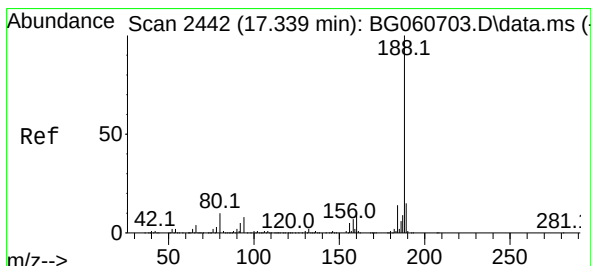
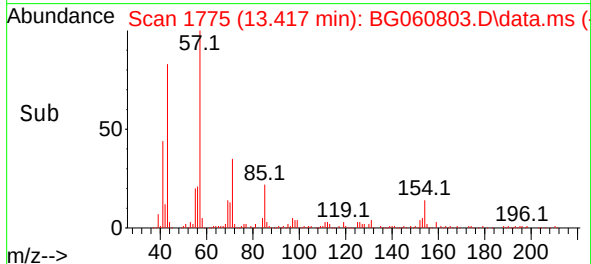
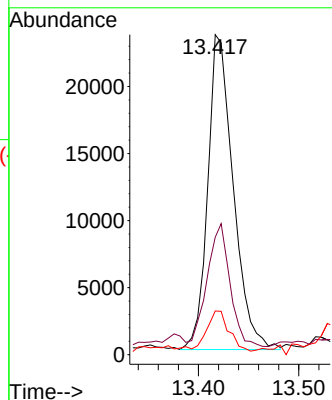
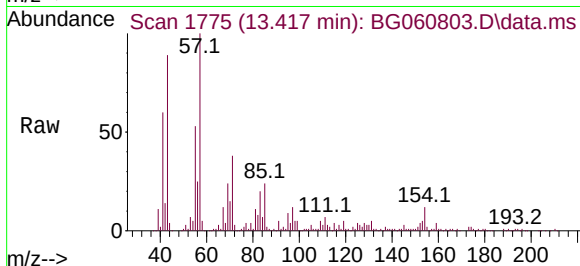
Tgt Ion:154 Resp: 41566

Ion Ratio Lower Upper

154 100

153 36.7 20.8 60.8

76 13.6 0.0 33.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.336 min Scan# 2442

Delta R.T. -0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

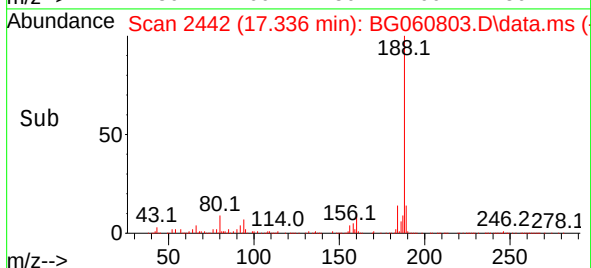
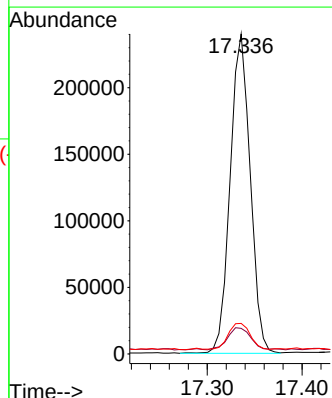
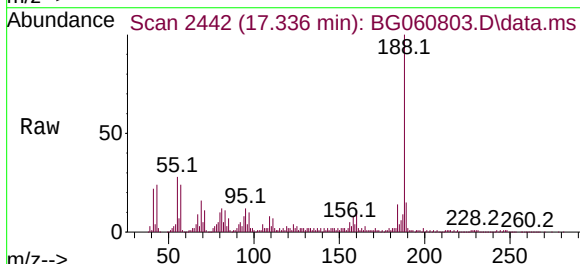
Tgt Ion:188 Resp: 351331

Ion Ratio Lower Upper

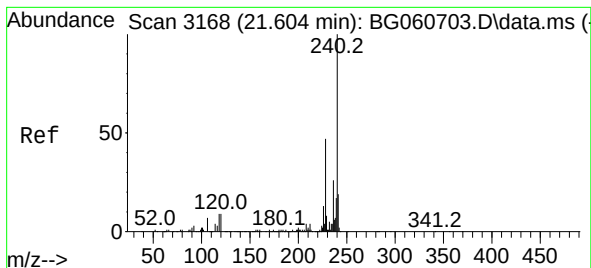
188 100

94 8.0 6.6 9.8

80 9.6 7.6 11.4







#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.613 min Scan# 3168

Delta R.T. 0.009 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

Instrument :

BNA\_G

ClientSampleId :

MOO-23-00113

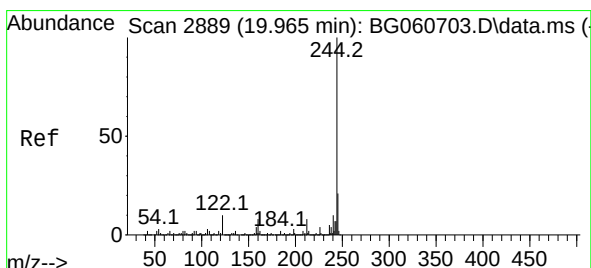
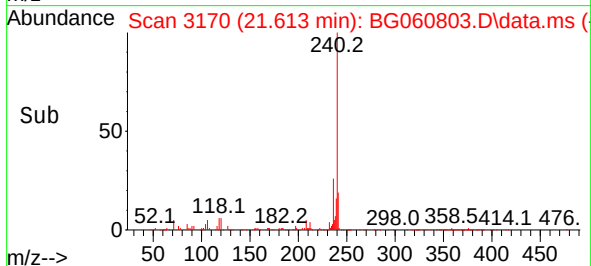
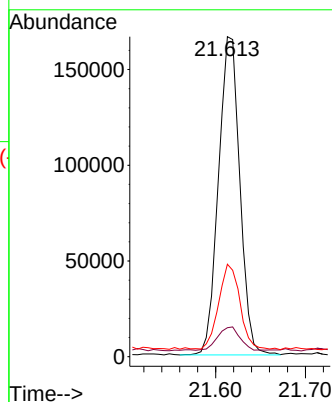
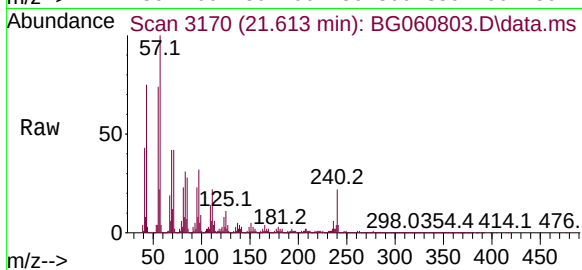
Tgt Ion:240 Resp: 274965

Ion Ratio Lower Upper

240 100

120 9.0 7.1 10.7

236 28.9 20.7 31.1



#79

Terphenyl-d14

Concen: 5.281 ng

RT: 19.968 min Scan# 2890

Delta R.T. 0.003 min

Lab File: BG060803.D

Acq: 5 Apr 2024 19:47

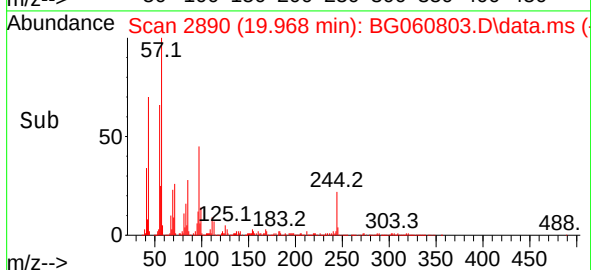
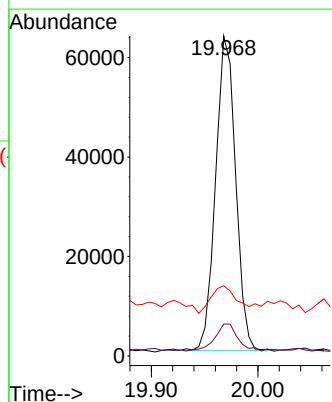
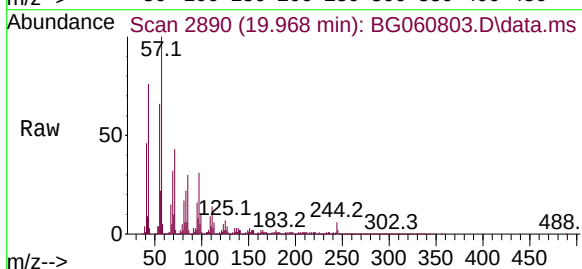
Tgt Ion:244 Resp: 82459

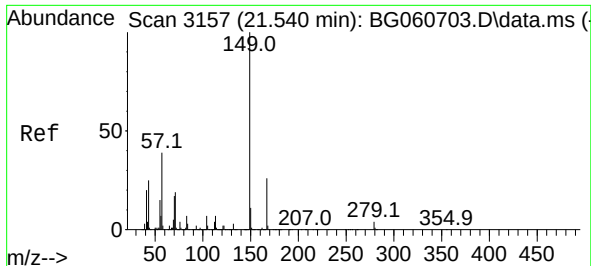
Ion Ratio Lower Upper

244 100

212 10.0 6.2 9.2#

122 22.0 7.8 11.8#

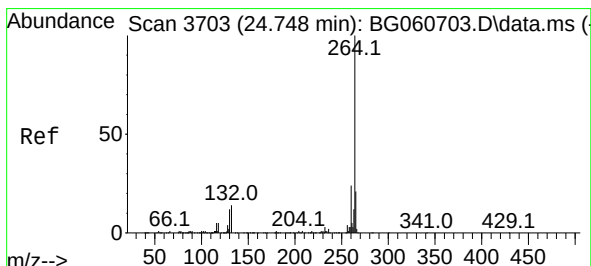
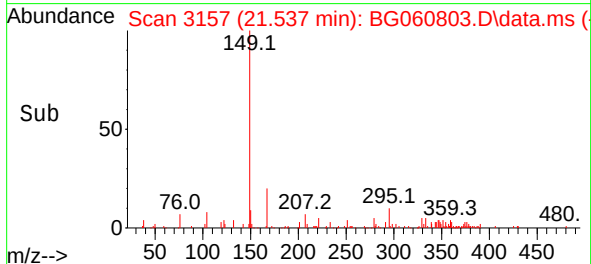
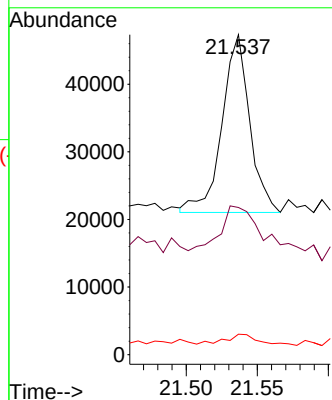
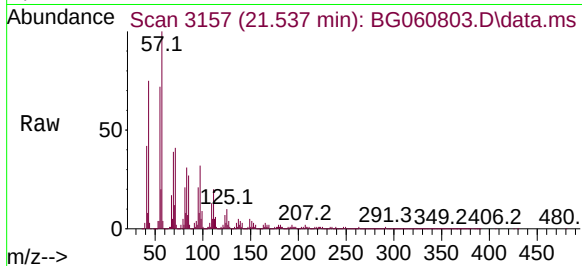




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.179 ng  
 RT: 21.537 min Scan# 3157  
 Delta R.T. -0.003 min  
 Lab File: BG060803.D  
 Acq: 5 Apr 2024 19:47

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MOO-23-00113

Tgt Ion:149 Resp: 35546  
 Ion Ratio Lower Upper  
 149 100  
 167 46.0 20.6 30.8#  
 279 6.4 3.0 4.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.768 min Scan# 3707  
 Delta R.T. 0.021 min  
 Lab File: BG060803.D  
 Acq: 5 Apr 2024 19:47

Tgt Ion:264 Resp: 368179  
 Ion Ratio Lower Upper  
 264 100  
 260 22.3 19.5 29.3  
 265 21.9 16.9 25.3

