

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN061523\  
 Data File : BN025862.D  
 Acq On : 15 Jun 2023 17:30  
 Operator : MA/JU  
 Sample : 03173-12  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 OW-07B-62.5-67.5-061223

Quant Time: Jun 16 01:46:31 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN053123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 16 01:41:46 2023  
 Response via : Initial Calibration

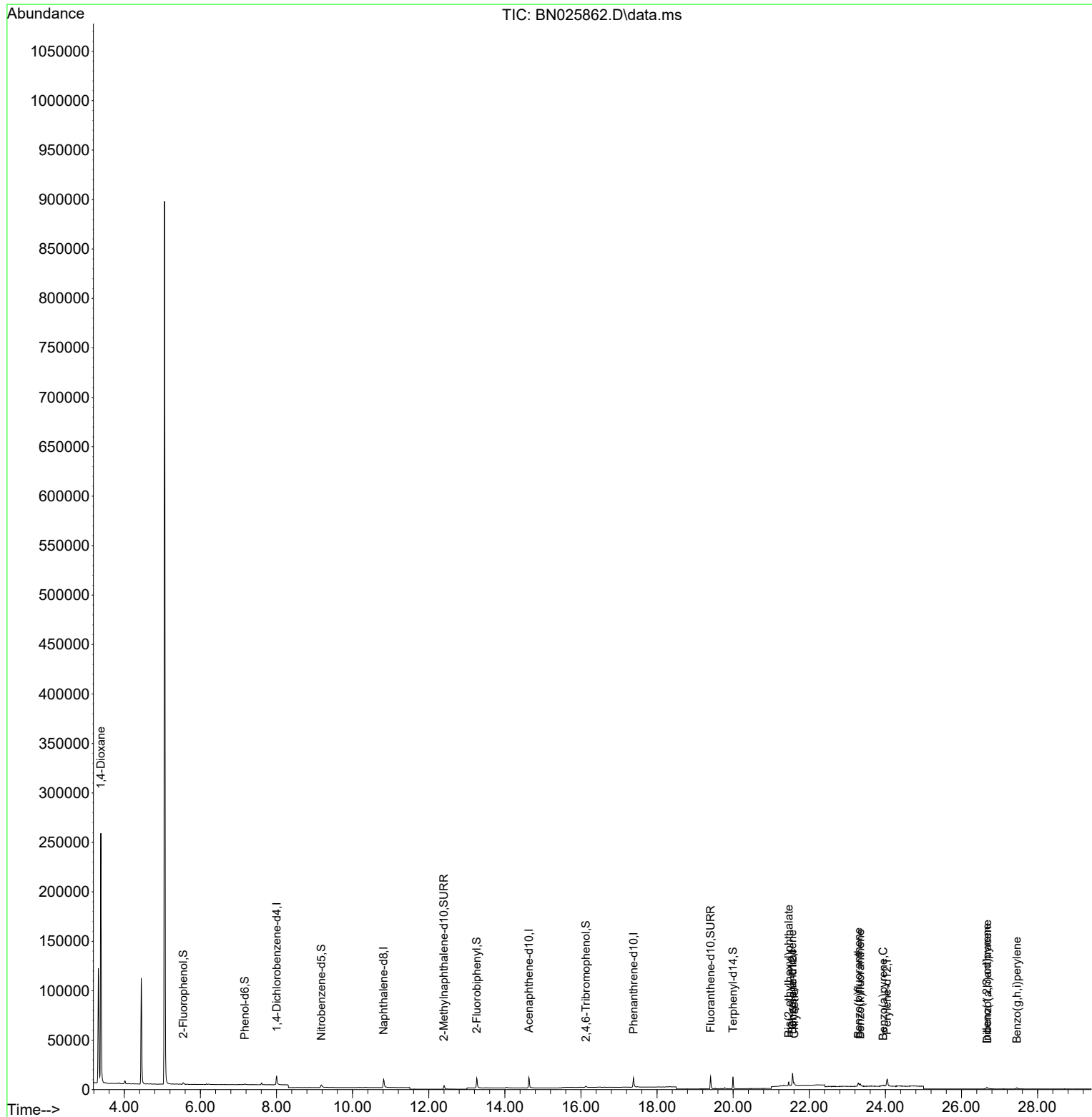
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.005  | 152  | 5365     | 0.400  | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.814 | 136  | 13627    | 0.400  | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.630 | 164  | 7135     | 0.400  | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.381 | 188  | 14208    | 0.400  | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.560 | 240  | 11864    | 0.400  | ng    | 0.00     |
| 35) Perylene-d12              | 24.046 | 264  | 11758    | 0.400  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) 2-Fluorophenol             | 5.549  | 112  | 1752     | 0.116  | ng    | 0.01     |
| 5) Phenol-d6                  | 7.167  | 99   | 993      | 0.054  | ng    | 0.01     |
| 8) Nitrobenzene-d5            | 9.180  | 82   | 3671     | 0.290  | ng    | 0.02     |
| 11) 2-Methylnaphthalene-d10   | 12.400 | 152  | 6451     | 0.329  | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 16.127 | 330  | 850      | 0.386  | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.262 | 172  | 10185    | 0.338  | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.407 | 212  | 15046    | 0.515  | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.997 | 244  | 12229    | 0.425  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.383  | 88   | 160108   | 25.436 | ng    | # 93     |
| 32) Benzo(a)anthracene        | 21.551 | 228  | 1659     | 0.036  | ng    | # 88     |
| 33) Chrysene                  | 21.605 | 228  | 2360     | 0.049  | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.462 | 149  | 4589     | 0.168  | ng    | # 96     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.662 | 276  | 2196     | 0.043  | ng    | # 89     |
| 37) Benzo(b)fluoranthene      | 23.288 | 252  | 5005     | 0.108  | ng    | # 70     |
| 38) Benzo(k)fluoranthene      | 23.338 | 252  | 3973     | 0.084  | ng    | # 61     |
| 39) Benzo(a)pyrene            | 23.943 | 252  | 2019     | 0.046  | ng    | # 11     |
| 40) Dibenzo(a,h)anthracene    | 26.680 | 278  | 1342     | 0.033  | ng    | # 24     |
| 41) Benzo(g,h,i)perylene      | 27.457 | 276  | 2210     | 0.048  | ng    | # 81     |
| -----                         |        |      |          |        |       |          |

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

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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
OW-07B-62.5-67.5-061223

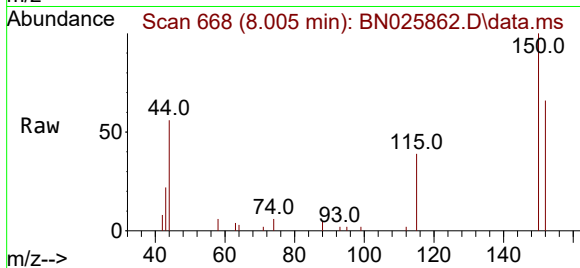
Quant Time: Jun 16 01:46:31 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN053123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 16 01:41:46 2023  
Response via : Initial Calibration



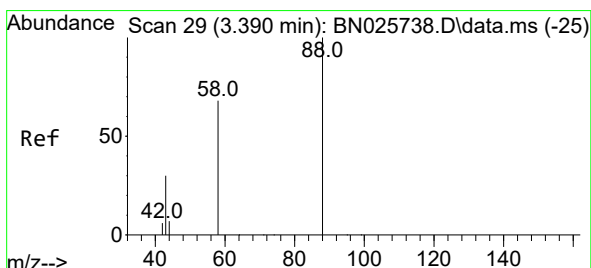
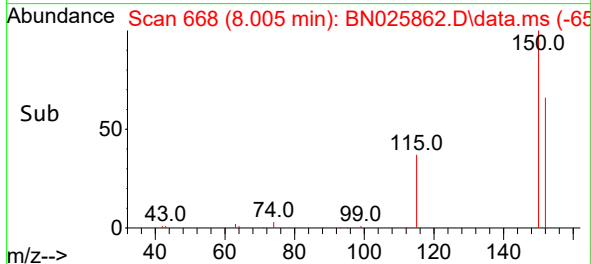
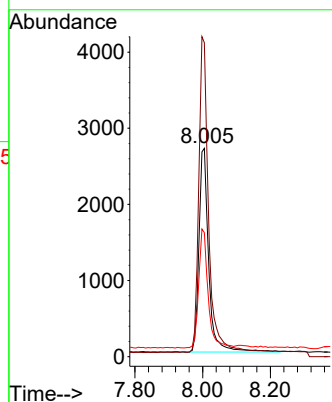


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 8.005 min Scan# 6  
Delta R.T. 0.007 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Instrument :  
BNA\_N  
ClientSampleId :  
OW-07B-62.5-67.5-061223

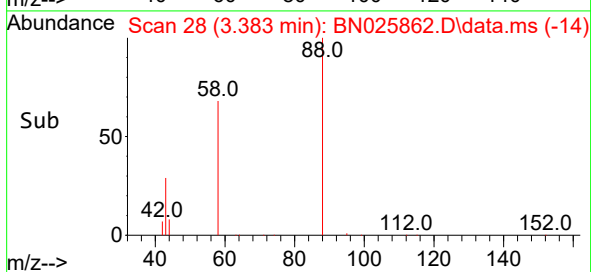
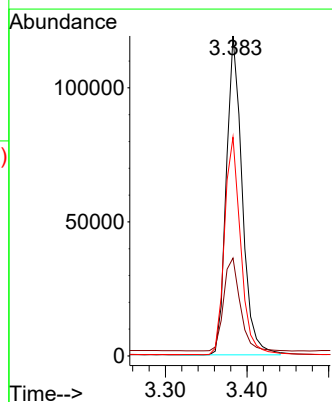
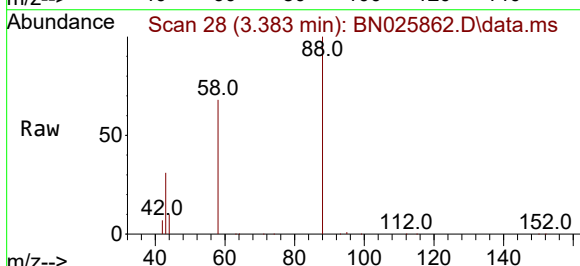


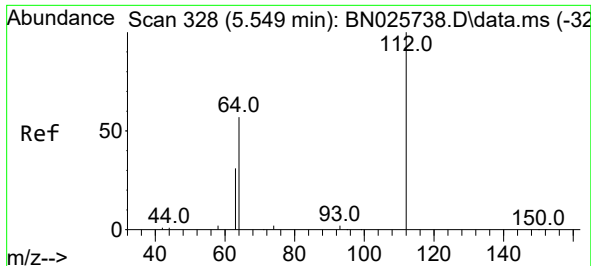
Tgt Ion:152 Resp: 5365  
Ion Ratio Lower Upper  
152 100  
150 150.6 121.5 182.3  
115 59.5 47.7 71.5



#2  
1,4-Dioxane  
Concen: 25.436 ng  
RT: 3.383 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Tgt Ion: 88 Resp: 160108  
Ion Ratio Lower Upper  
88 100  
43 30.2 31.0 46.4#  
58 69.3 57.3 85.9

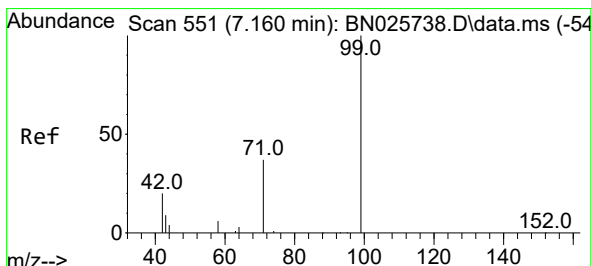
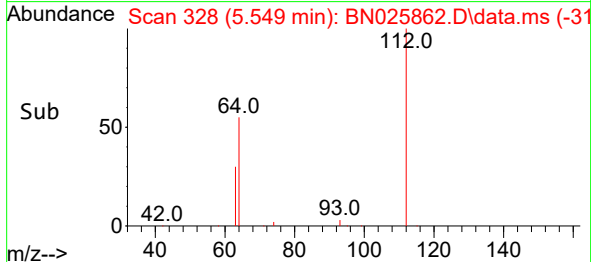
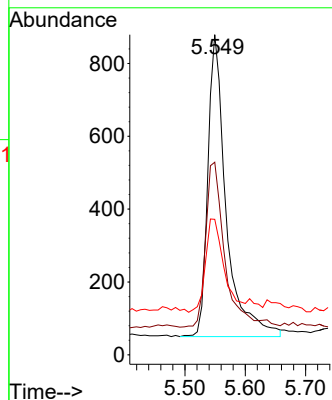
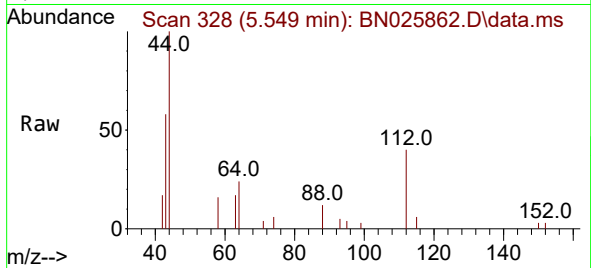




#4  
2-Fluorophenol  
Concen: 0.116 ng  
RT: 5.549 min Scan# 31  
Delta R.T. 0.015 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

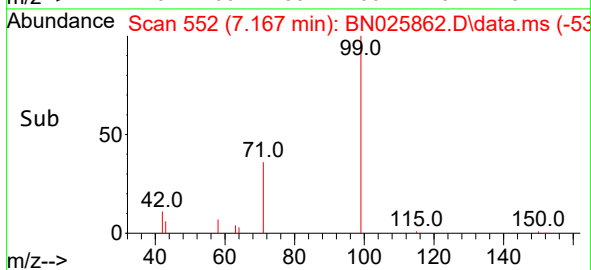
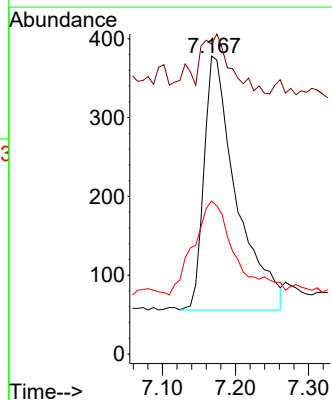
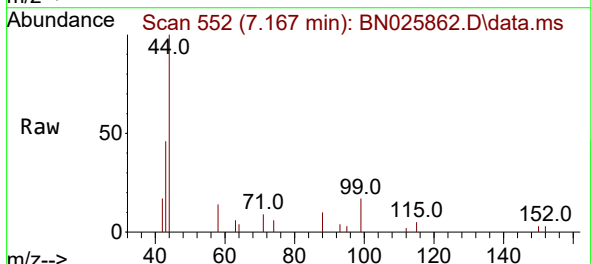
Instrument :  
BNA\_N  
ClientSampleId :  
OW-07B-62.5-67.5-061223

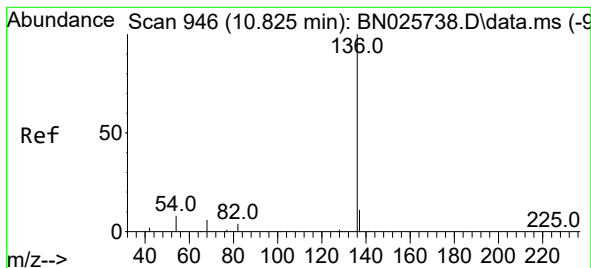
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 1752  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 57.0  | 47.5  | 71.3  |
| 63       | 31.3  | 26.2  | 39.4  |



#5  
Phenol-d6  
Concen: 0.054 ng  
RT: 7.167 min Scan# 552  
Delta R.T. 0.015 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 993   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 24.2  | 18.6  | 28.0  |
| 71       | 47.1  | 30.5  | 45.7  |





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.814 min Scan# 94

Delta R.T. 0.000 min

Lab File: BN025862.D

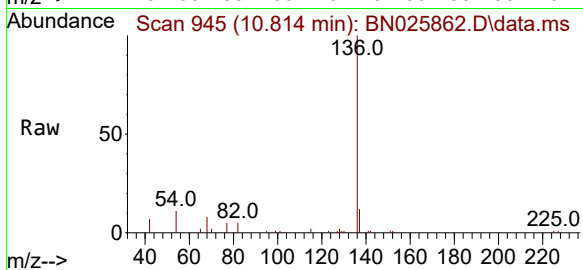
Acq: 15 Jun 2023 17:30

Instrument :

BNA\_N

ClientSampleId :

OW-07B-62.5-67.5-061223



Tgt Ion:136 Resp: 13627

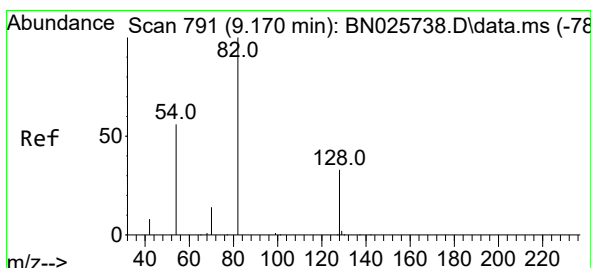
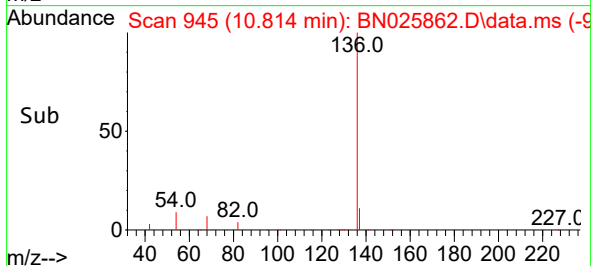
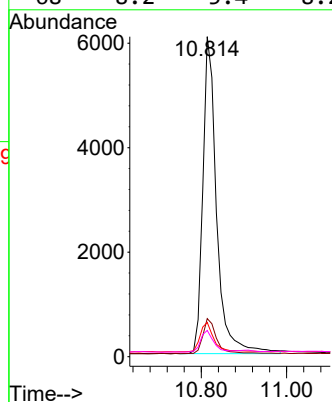
Ion Ratio Lower Upper

136 100

137 11.9 9.3 13.9

54 10.7 7.2 10.8

68 8.2 5.4 8.2#



#8

Nitrobenzene-d5

Concen: 0.290 ng

RT: 9.180 min Scan# 792

Delta R.T. 0.022 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

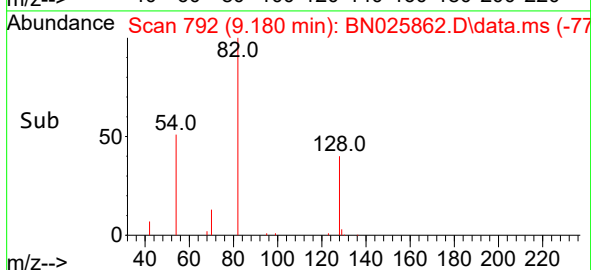
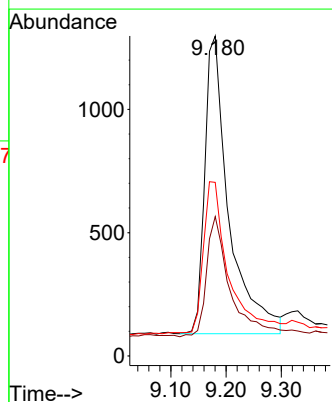
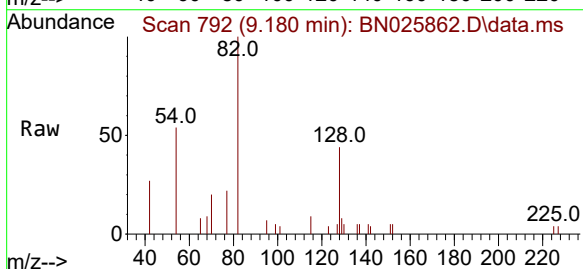
Tgt Ion: 82 Resp: 3671

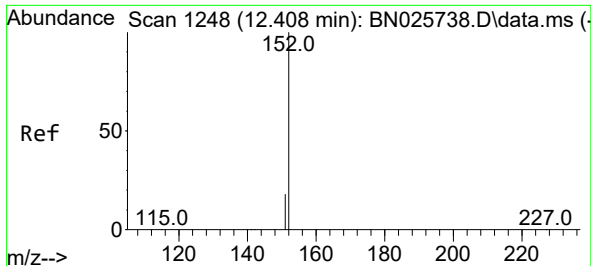
Ion Ratio Lower Upper

82 100

128 43.5 27.6 41.4#

54 54.2 45.7 68.5

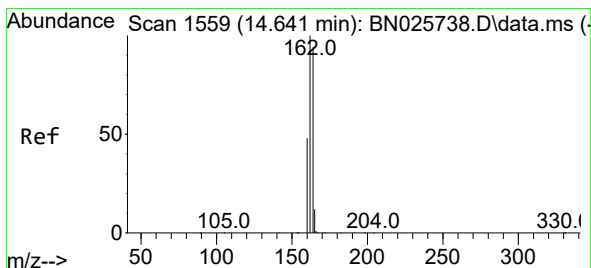
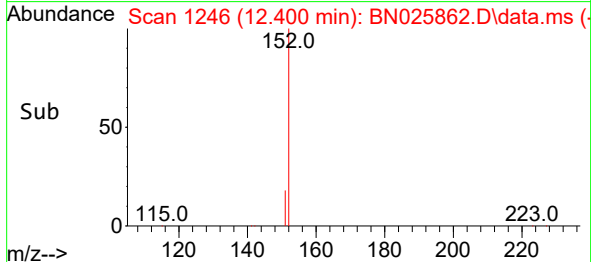
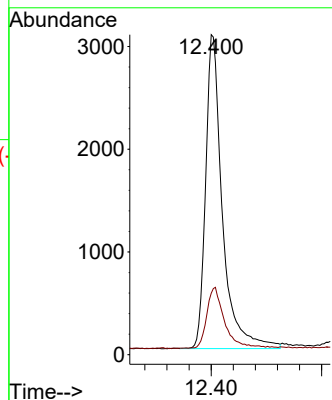
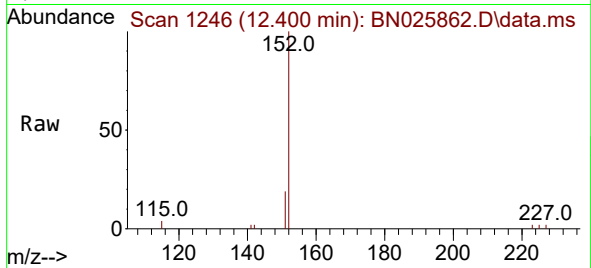




#11  
2-Methylnaphthalene-d10  
Concen: 0.329 ng  
RT: 12.400 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

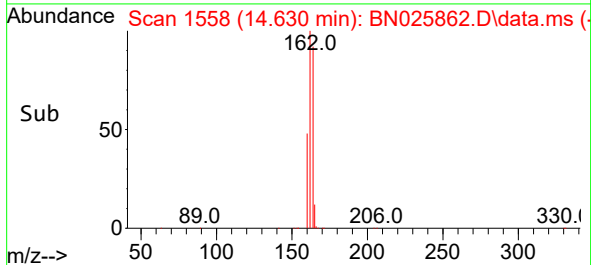
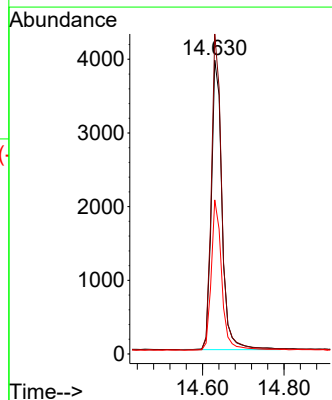
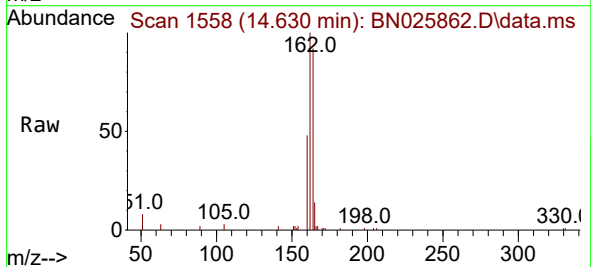
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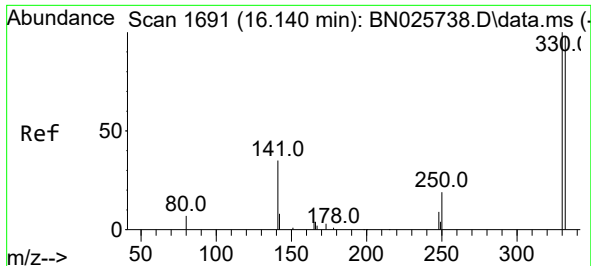
Tgt Ion:152 Resp: 6451  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.4 24.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.630 min Scan# 1558  
Delta R.T. 0.000 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Tgt Ion:164 Resp: 7135  
Ion Ratio Lower Upper  
164 100  
162 109.0 85.0 127.6  
160 52.4 41.1 61.7

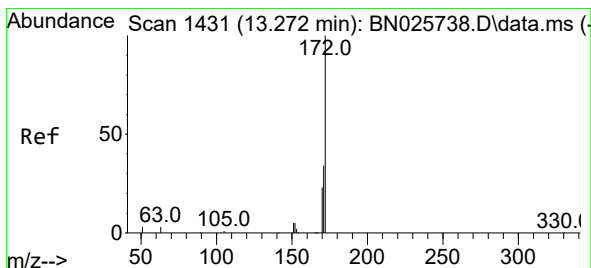
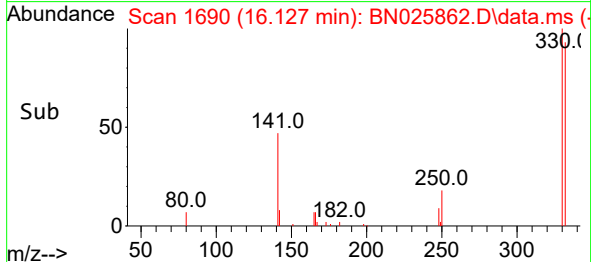
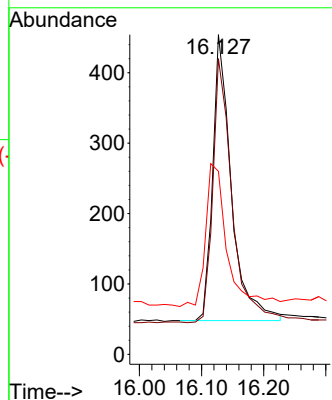
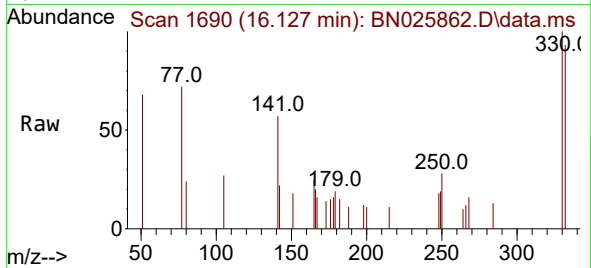




#14  
2,4,6-Tribromophenol  
Concen: 0.386 ng  
RT: 16.127 min Scan# 1690  
Delta R.T. 0.000 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

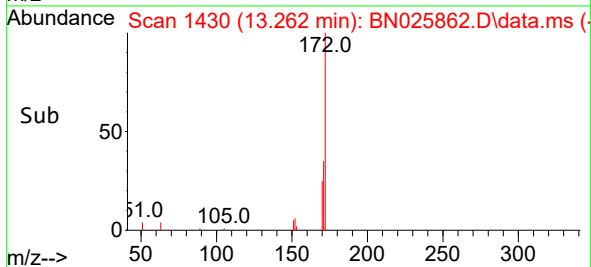
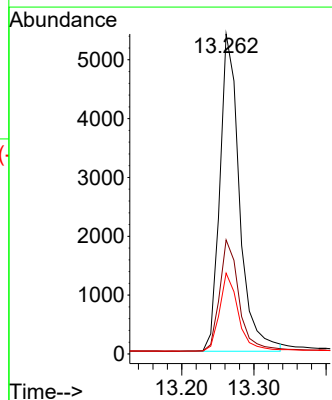
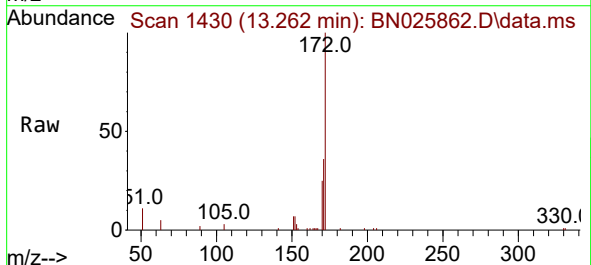
Instrument :  
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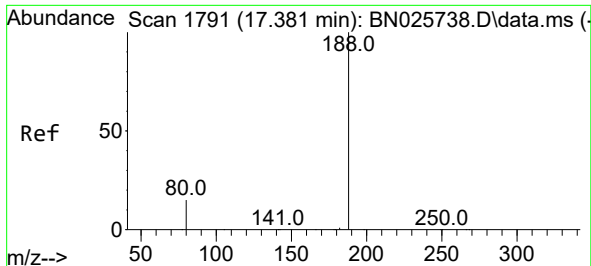
Tgt Ion:330 Resp: 850  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.3 115.9  
141 57.3 55.0 82.6



#15  
2-Fluorobiphenyl  
Concen: 0.338 ng  
RT: 13.262 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Tgt Ion:172 Resp: 10185  
Ion Ratio Lower Upper  
172 100  
171 35.6 27.3 40.9  
170 25.2 18.6 28.0

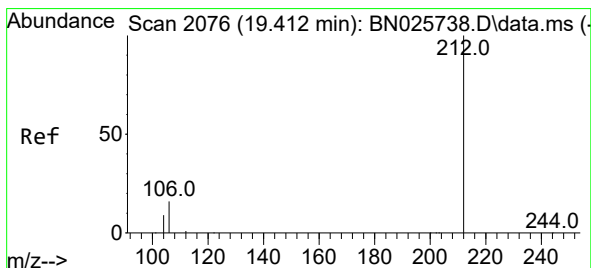
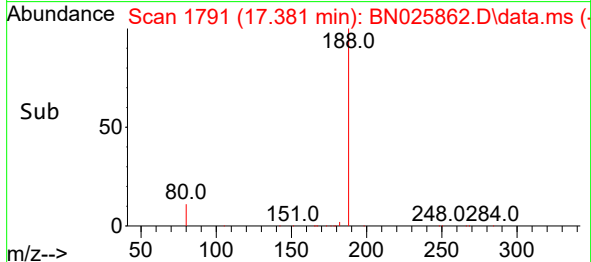
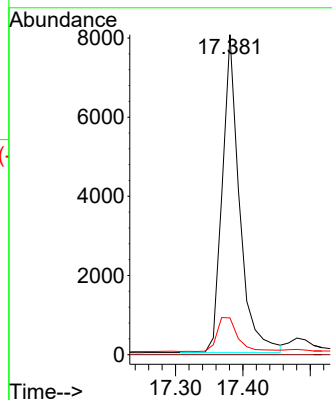
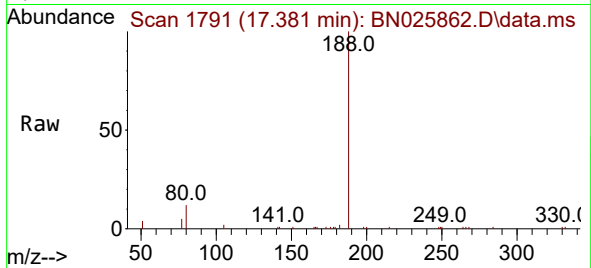




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.381 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

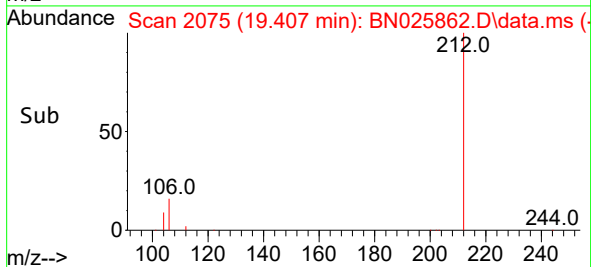
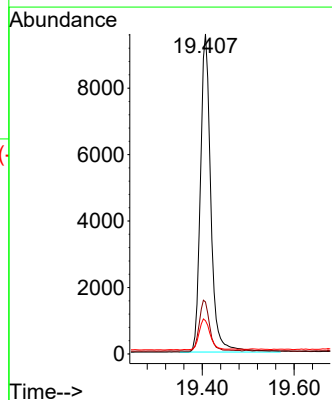
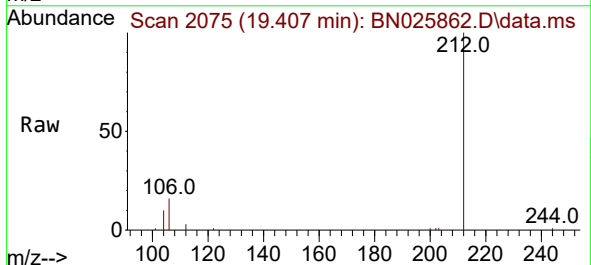
Instrument :  
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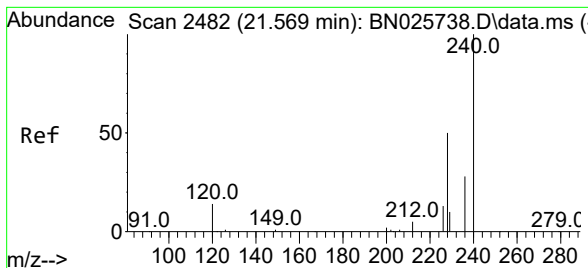
Tgt Ion:188 Resp: 14208  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.5 12.1 18.1#



#27  
Fluoranthene-d10  
Concen: 0.515 ng  
RT: 19.407 min Scan# 2075  
Delta R.T. 0.005 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Tgt Ion:212 Resp: 15046  
Ion Ratio Lower Upper  
212 100  
106 16.1 13.0 19.6  
104 10.1 7.7 11.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.560 min Scan# 2482

Delta R.T. 0.000 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

Instrument :

BNA\_N

ClientSampleId :

OW-07B-62.5-67.5-061223

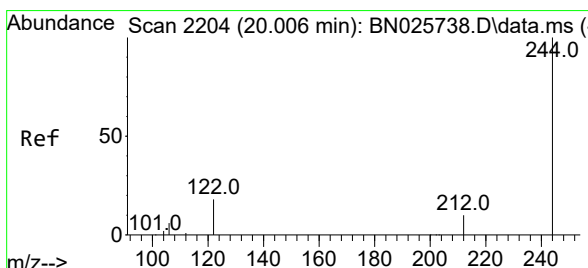
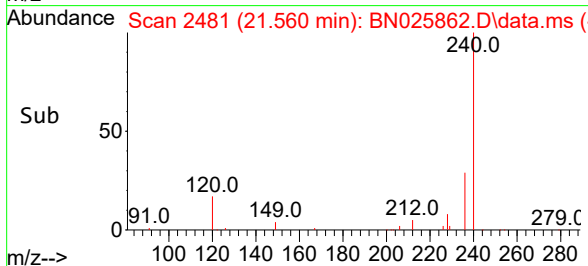
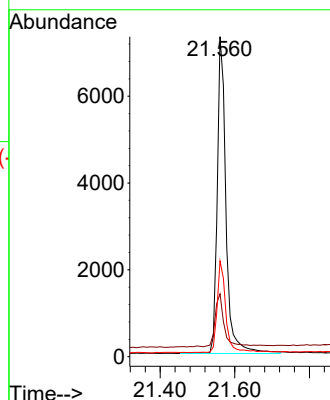
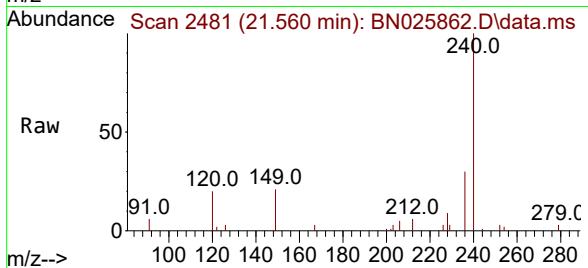
Tgt Ion:240 Resp: 11864

Ion Ratio Lower Upper

240 100

120 19.7 13.2 19.8

236 29.9 23.1 34.7



#31

Terphenyl-d14

Concen: 0.425 ng

RT: 19.997 min Scan# 2202

Delta R.T. 0.000 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

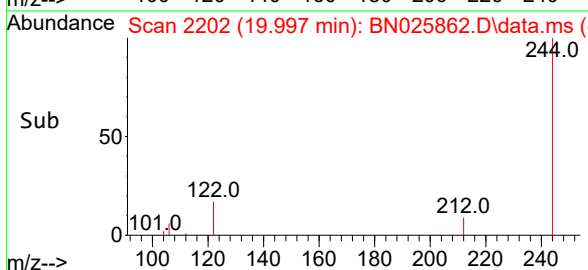
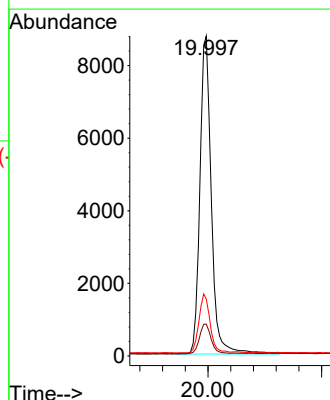
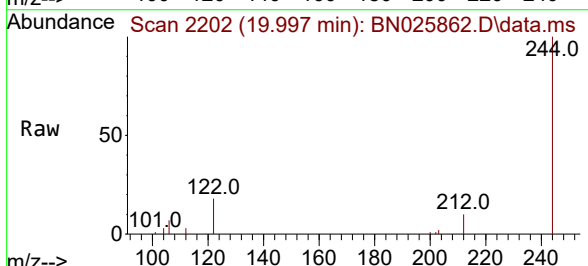
Tgt Ion:244 Resp: 12229

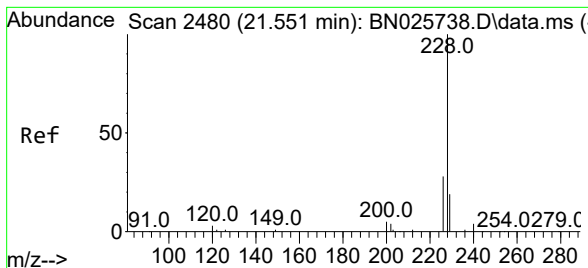
Ion Ratio Lower Upper

244 100

212 10.0 8.6 12.8

122 17.7 15.2 22.8





#32

Benzo(a)anthracene

Concen: 0.036 ng

RT: 21.551 min Scan# 2480

Delta R.T. 0.009 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

Instrument :

BNA\_N

ClientSampleId :

OW-07B-62.5-67.5-061223

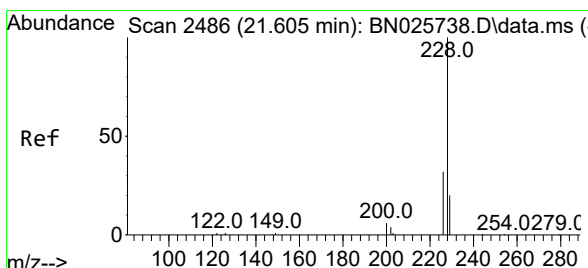
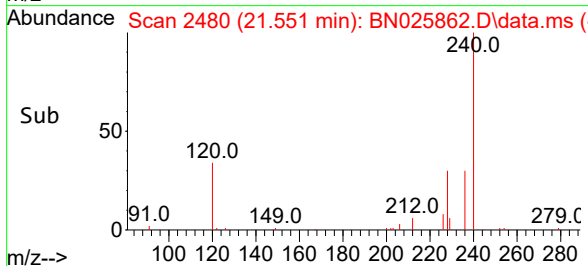
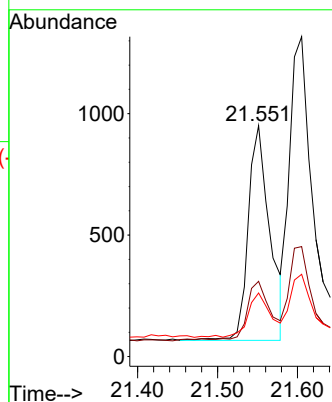
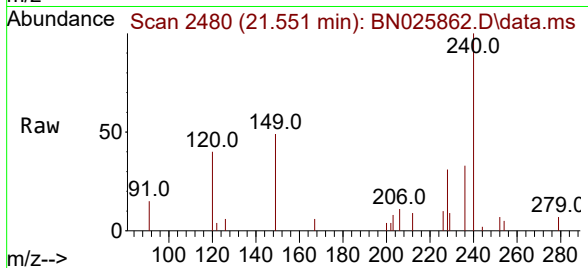
Tgt Ion:228 Resp: 1659

Ion Ratio Lower Upper

228 100

226 32.6 22.9 34.3

229 27.5 15.6 23.4#



#33

Chrysene

Concen: 0.049 ng

RT: 21.605 min Scan# 2486

Delta R.T. 0.009 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

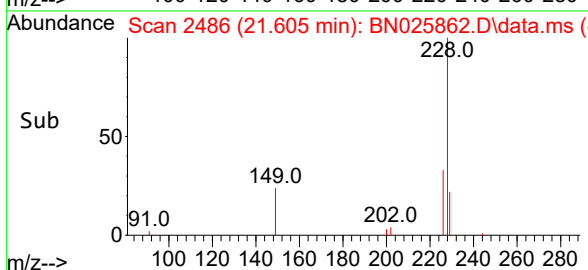
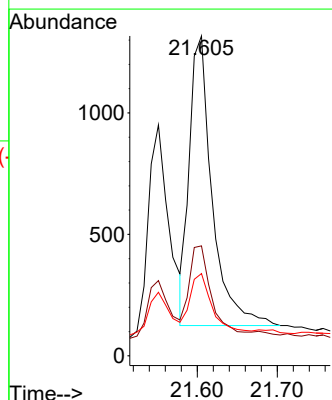
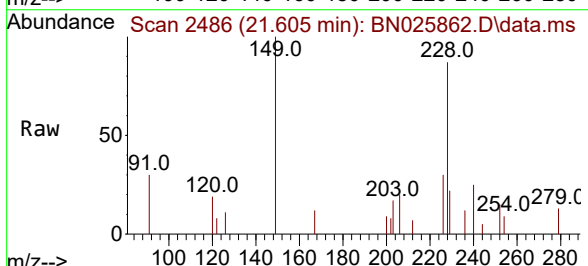
Tgt Ion:228 Resp: 2360

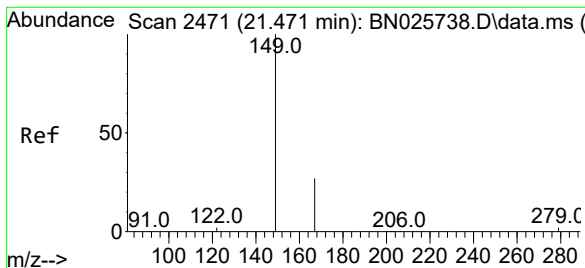
Ion Ratio Lower Upper

228 100

226 34.4 25.4 38.2

229 25.7 16.1 24.1#

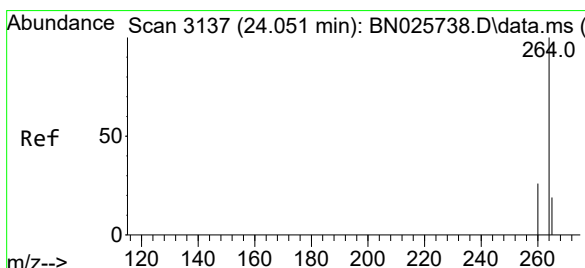
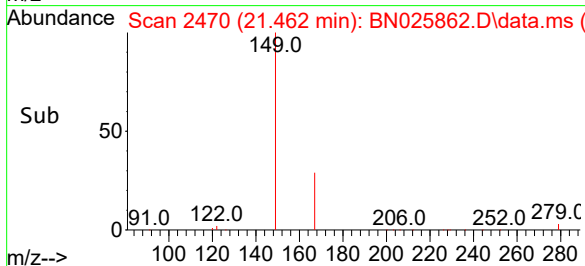
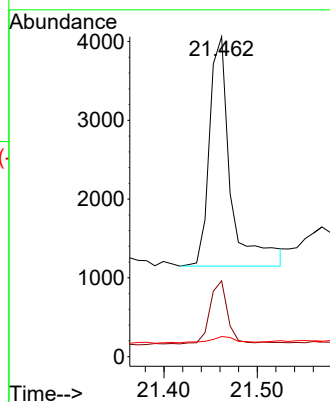
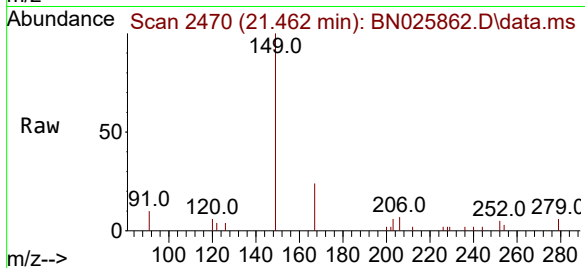




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.168 ng  
 RT: 21.462 min Scan# 2470  
 Delta R.T. 0.000 min  
 Lab File: BN025862.D  
 Acq: 15 Jun 2023 17:30

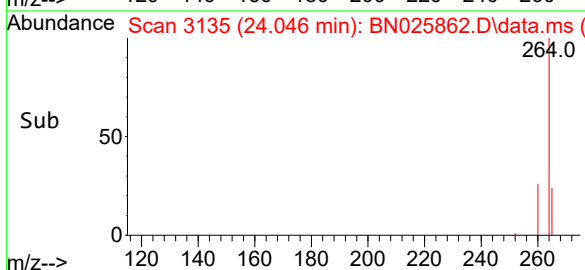
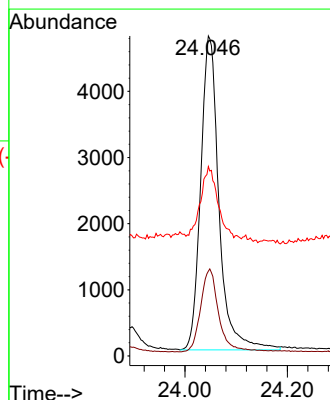
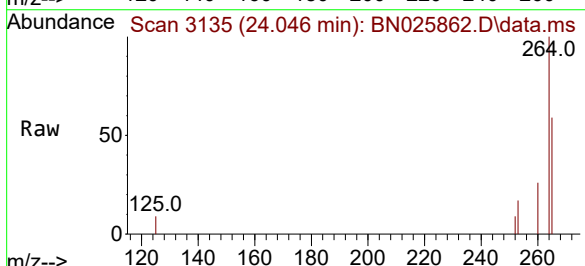
Instrument :  
 BNA\_N  
 ClientSampleId :  
 OW-07B-62.5-67.5-061223

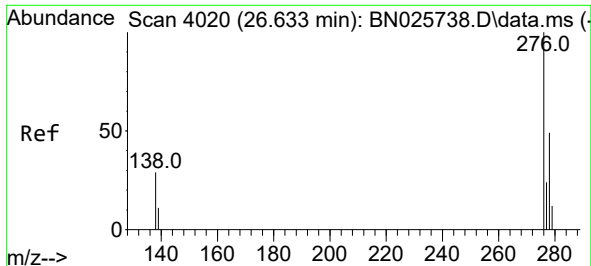
Tgt Ion:149 Resp: 4589  
 Ion Ratio Lower Upper  
 149 100  
 167 24.1 21.0 31.6  
 279 3.9 2.2 3.4#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 24.046 min Scan# 3135  
 Delta R.T. -0.003 min  
 Lab File: BN025862.D  
 Acq: 15 Jun 2023 17:30

Tgt Ion:264 Resp: 11758  
 Ion Ratio Lower Upper  
 264 100  
 260 26.5 21.4 32.2  
 265 59.2 44.7 67.1

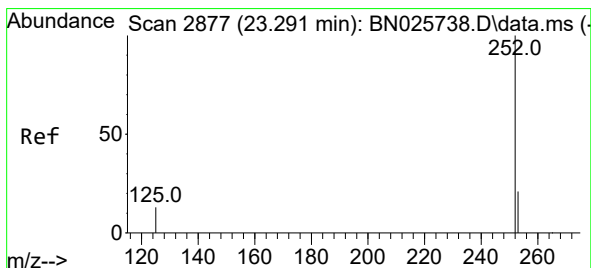
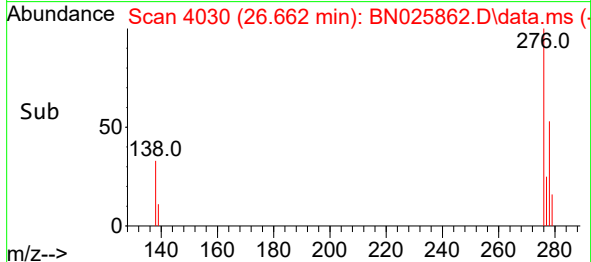
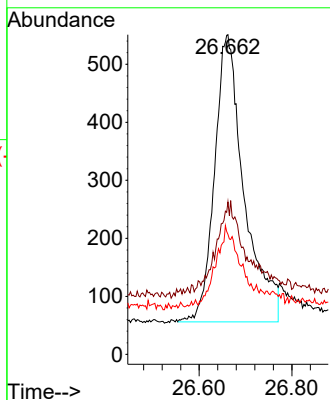
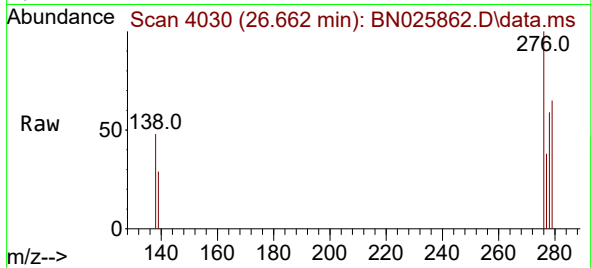




#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.043 ng  
RT: 26.662 min Scan# 4020  
Delta R.T. 0.021 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

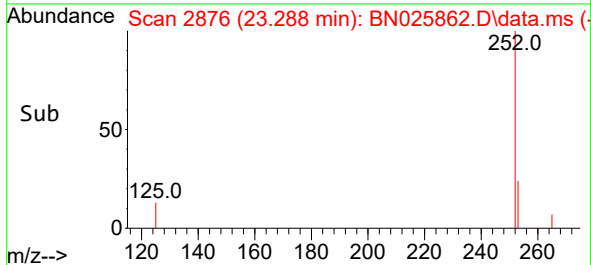
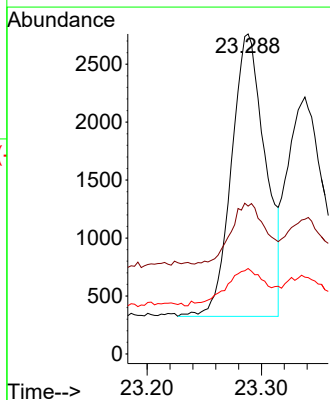
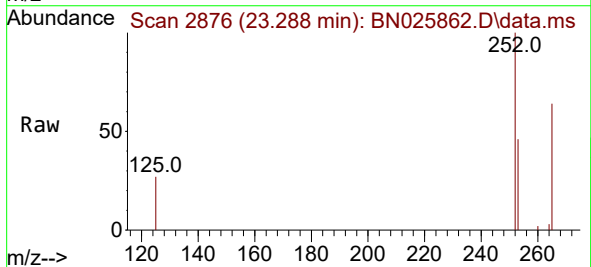
Instrument :  
BNA\_N  
ClientSampleId :  
OW-07B-62.5-67.5-061223

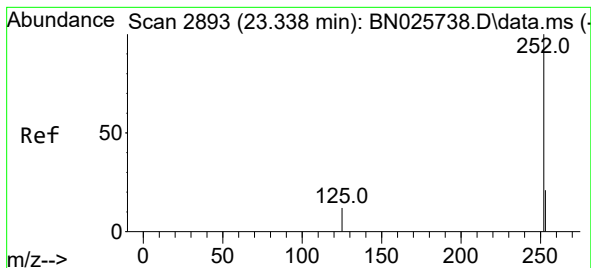
Tgt Ion:276 Resp: 2196  
Ion Ratio Lower Upper  
276 100  
138 23.9 26.1 39.1#  
277 21.7 19.4 29.2



#37  
Benzo(b)fluoranthene  
Concen: 0.108 ng  
RT: 23.288 min Scan# 2876  
Delta R.T. 0.006 min  
Lab File: BN025862.D  
Acq: 15 Jun 2023 17:30

Tgt Ion:252 Resp: 5005  
Ion Ratio Lower Upper  
252 100  
253 46.2 23.4 35.0#  
125 26.7 12.3 18.5#





#38

Benzo(k)fluoranthene

Concen: 0.084 ng

RT: 23.338 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN025862.D

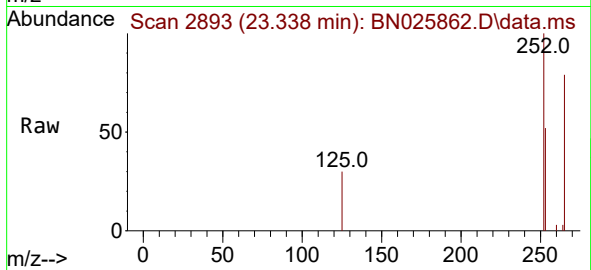
Acq: 15 Jun 2023 17:30

Instrument :

BNA\_N

ClientSampleId :

OW-07B-62.5-67.5-061223



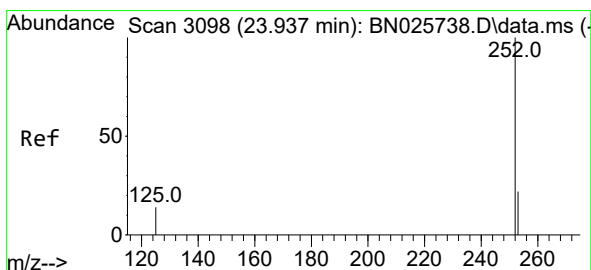
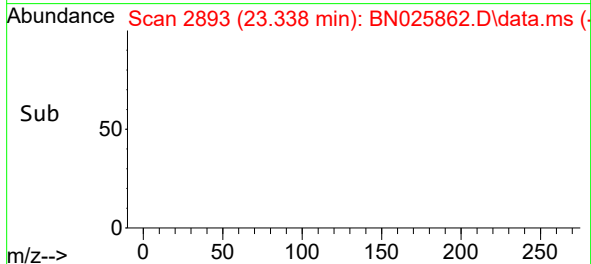
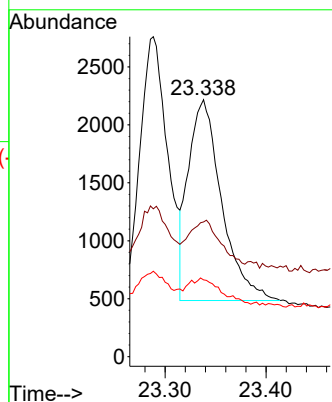
Tgt Ion:252 Resp: 3973

Ion Ratio Lower Upper

252 100

253 52.4 24.2 36.4#

125 29.9 12.2 18.2#



#39

Benzo(a)pyrene

Concen: 0.046 ng

RT: 23.943 min Scan# 3100

Delta R.T. 0.006 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

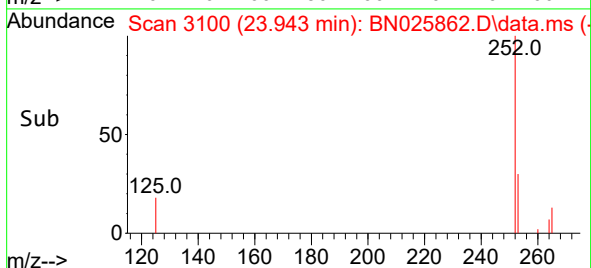
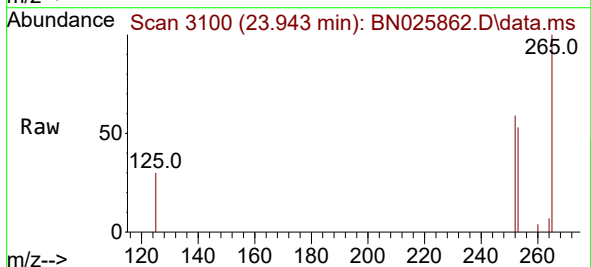
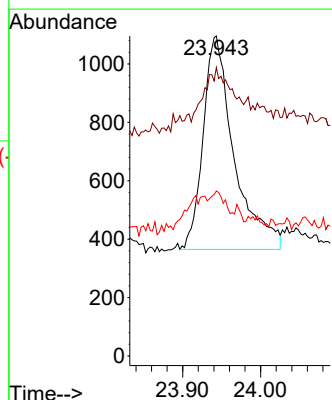
Tgt Ion:252 Resp: 2019

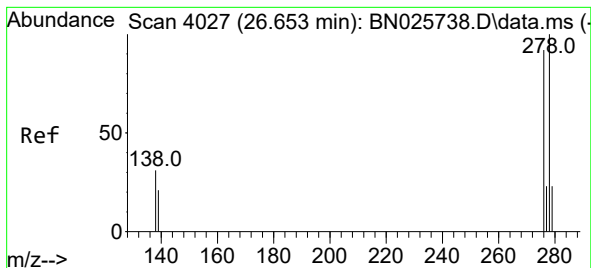
Ion Ratio Lower Upper

252 100

253 90.1 27.5 41.3#

125 51.6 14.6 21.8#





#40

Dibenzo(a,h)anthracene

Concen: 0.033 ng

RT: 26.680 min Scan# 4027

Delta R.T. 0.018 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

Instrument :

BNA\_N

ClientSampleId :

OW-07B-62.5-67.5-061223

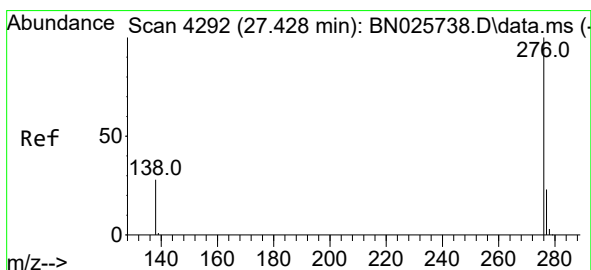
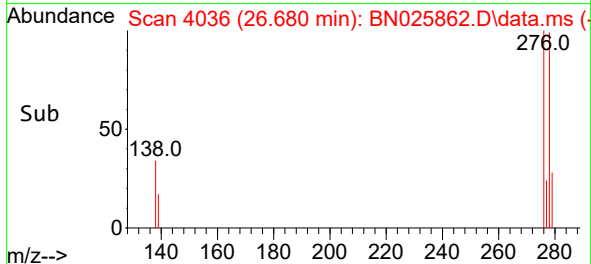
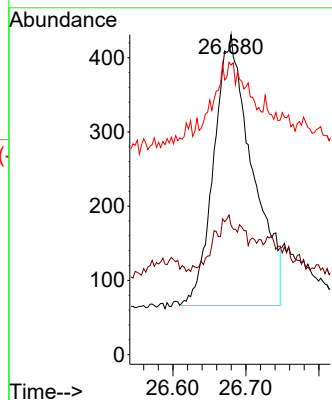
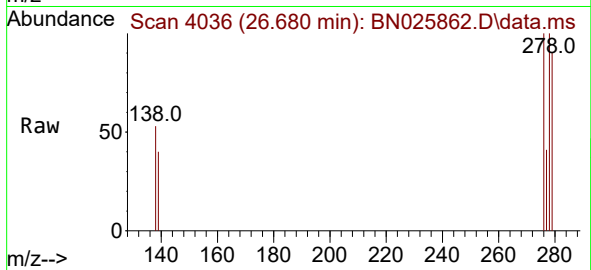
Tgt Ion:278 Resp: 1342

Ion Ratio Lower Upper

278 100

139 40.4 18.7 28.1#

279 90.5 25.1 37.7#



#41

Benzo(g,h,i)perylene

Concen: 0.048 ng

RT: 27.457 min Scan# 4302

Delta R.T. 0.012 min

Lab File: BN025862.D

Acq: 15 Jun 2023 17:30

Tgt Ion:276 Resp: 2210

Ion Ratio Lower Upper

276 100

277 34.2 20.2 30.2#

138 41.4 24.2 36.4#

