

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032522\  
 Data File : BN019168.D  
 Acq On : 25 Mar 2022 22:21  
 Operator : CG/JU  
 Sample : N2090-14  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-58

Quant Time: Mar 26 04:22:52 2022  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 25 19:03:12 2022  
 Response via : Initial Calibration

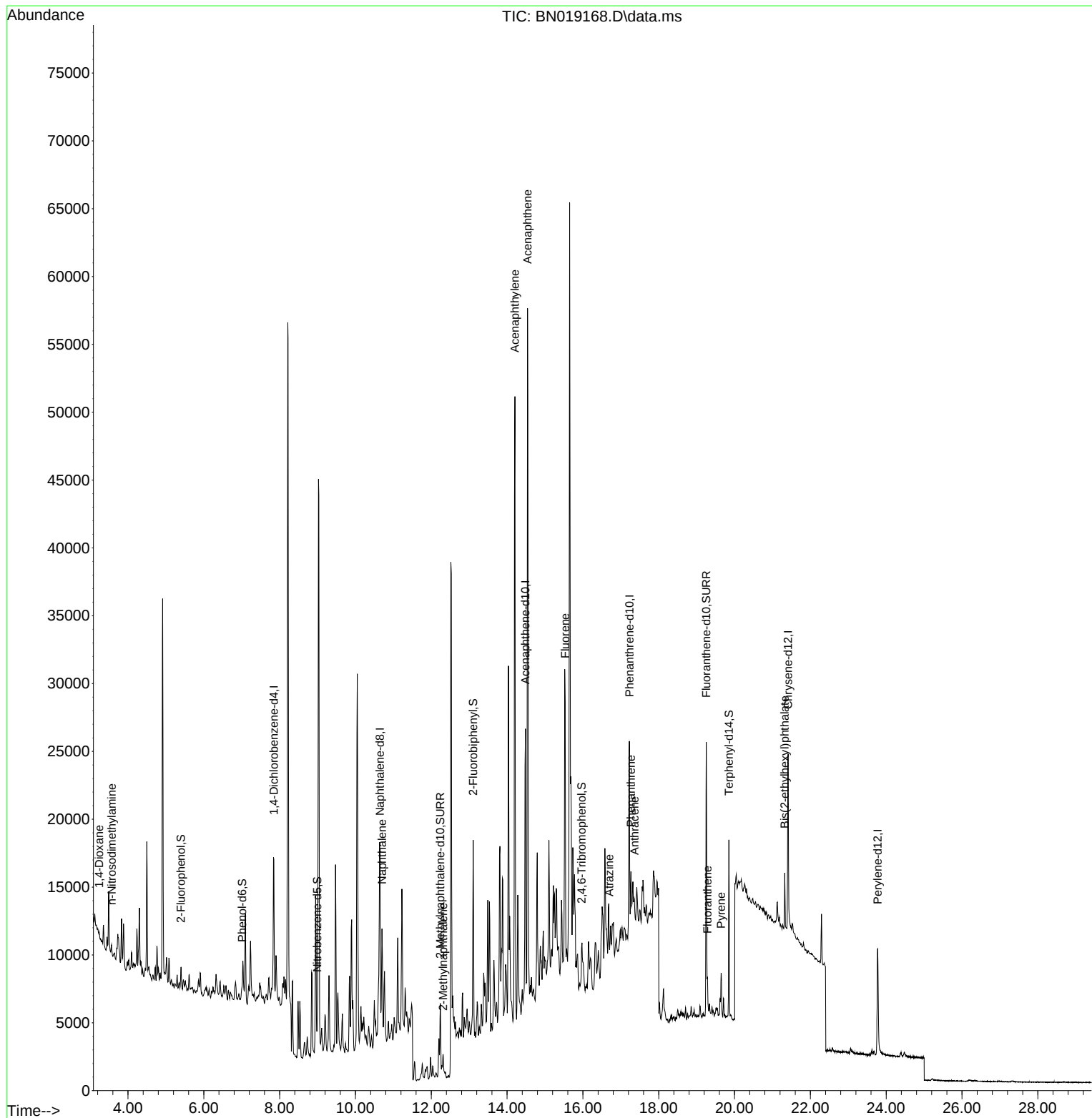
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.847  | 152  | 4964     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 14915    | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.484 | 164  | 9634     | 0.400 | ng    | # 0.00   |
| 19) Phenanthrene-d10          | 17.225 | 188  | 18699    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.413 | 240  | 14202    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.776 | 264  | 12234    | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 1425     | 0.122 | ng    | 0.00     |
| 5) Phenol-d6                  | 7.009  | 99   | 904      | 0.067 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 2694     | 0.233 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.238 | 152  | 7794     | 0.326 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.964 | 330  | 1910     | 0.408 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.105 | 172  | 11744    | 0.290 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.253 | 212  | 21202    | 0.388 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.851 | 244  | 12756    | 0.402 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 239      | 0.036 | ng    | # 64     |
| 3) n-Nitrosodimethylamine     | 3.572  | 42   | 333      | 0.045 | ng    | # 1      |
| 9) Naphthalene                | 10.701 | 128  | 2686     | 0.064 | ng    | # 5      |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 1171     | 0.042 | ng    | # 64     |
| 16) Acenaphthylene            | 14.206 | 152  | 5656     | 0.129 | ng    | # 1      |
| 17) Acenaphthene              | 14.538 | 154  | 25889    | 0.831 | ng    | 99       |
| 18) Fluorene                  | 15.532 | 166  | 12713    | 0.321 | ng    | # 97     |
| 23) Atrazine                  | 16.692 | 200  | 391      | 0.046 | ng    | # 1      |
| 25) Phenanthrene              | 17.266 | 178  | 3354     | 0.056 | ng    | # 66     |
| 26) Anthracene                | 17.359 | 178  | 2129     | 0.043 | ng    | # 53     |
| 28) Fluoranthene              | 19.286 | 202  | 2194     | 0.032 | ng    | # 87     |
| 30) Pyrene                    | 19.645 | 202  | 2985     | 0.044 | ng    | # 89     |
| 34) Bis(2-ethylhexyl)phtha... | 21.324 | 149  | 3534     | 0.127 | ng    | # 95     |
| -----                         |        |      |          |       |       |          |

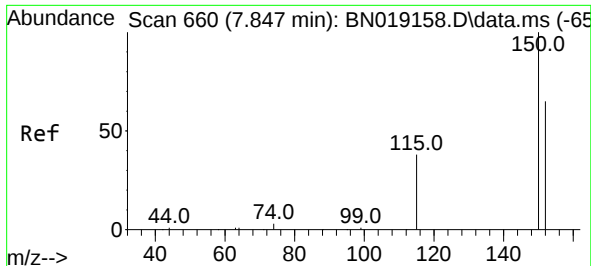
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN032522\  
Data File : BN019168.D  
Acq On : 25 Mar 2022 22:21  
Operator : CG/JU  
Sample : N2090-14  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

Quant Time: Mar 26 04:22:52 2022  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032522.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 25 19:03:12 2022  
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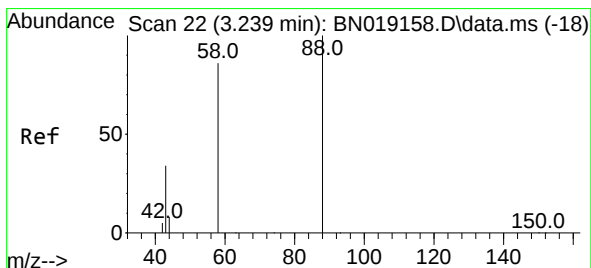
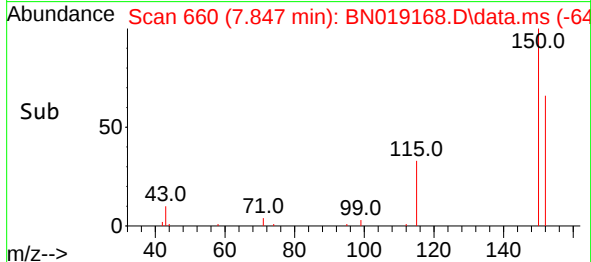
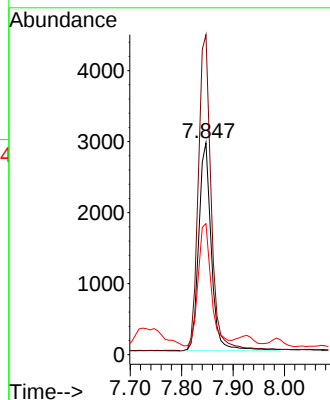
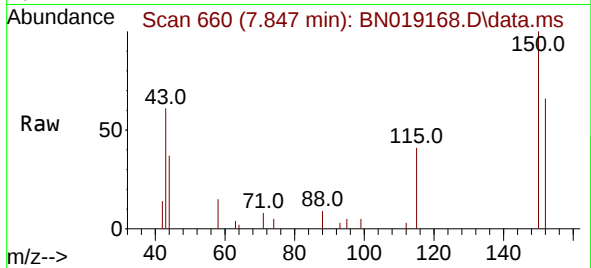




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.847 min Scan# 660  
 Delta R.T. 0.000 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

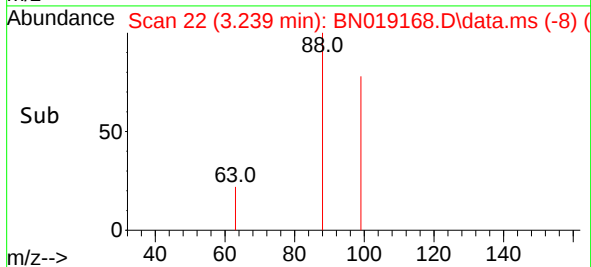
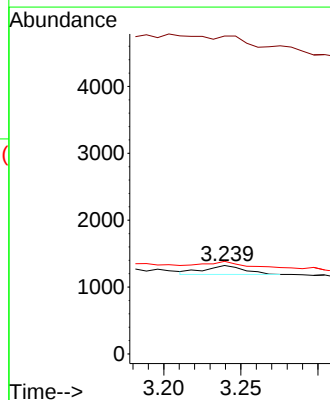
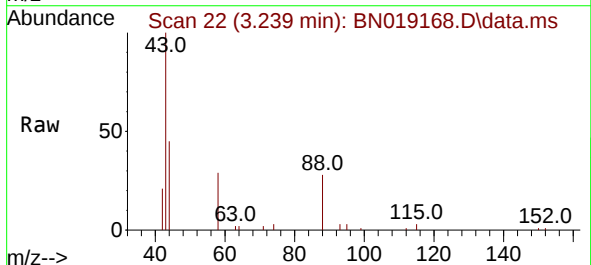
Instrument :  
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 ClientSampleId :  
 MW-58

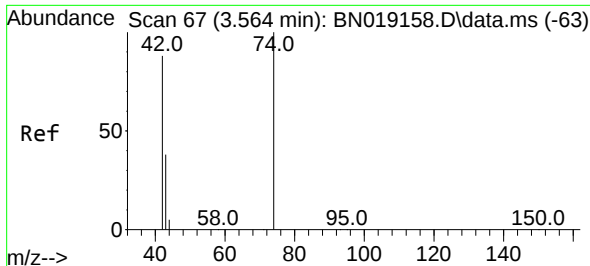
Tgt Ion:152 Resp: 4964  
 Ion Ratio Lower Upper  
 152 100  
 150 151.0 123.9 185.9  
 115 61.9 48.2 72.4



#2  
 1,4-Dioxane  
 Concen: 0.036 ng  
 RT: 3.239 min Scan# 22  
 Delta R.T. -0.000 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

Tgt Ion: 88 Resp: 239  
 Ion Ratio Lower Upper  
 88 100  
 43 0.0 24.6 37.0#  
 58 56.1 65.4 98.2#

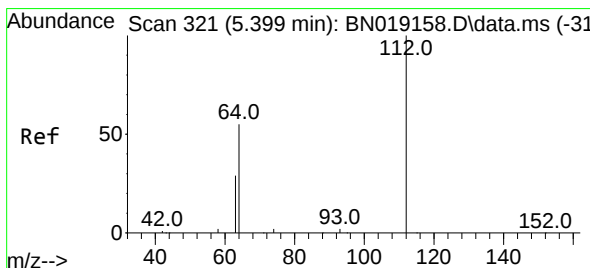
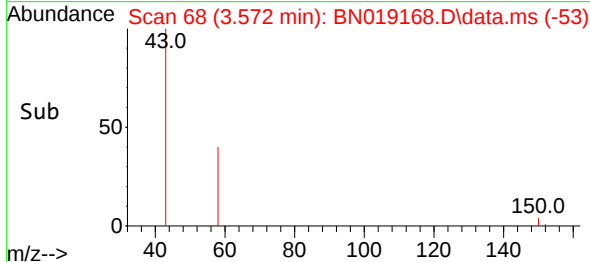
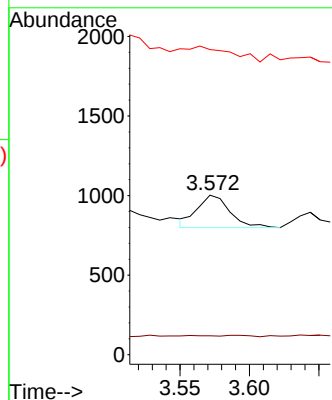
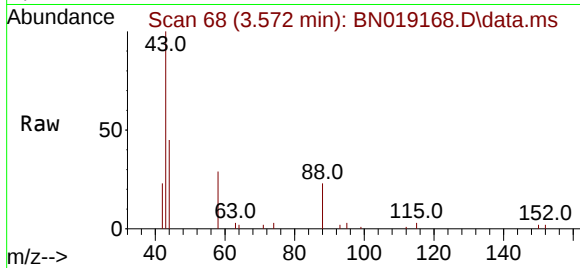




#3  
n-Nitrosodimethylamine  
Concen: 0.045 ng  
RT: 3.572 min Scan# 61  
Delta R.T. 0.007 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

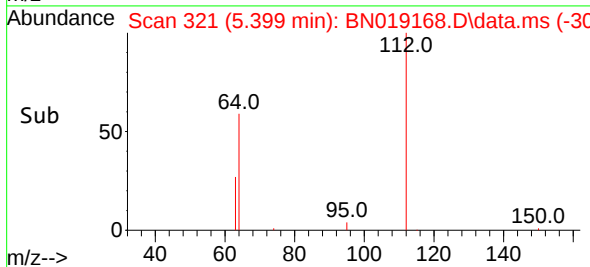
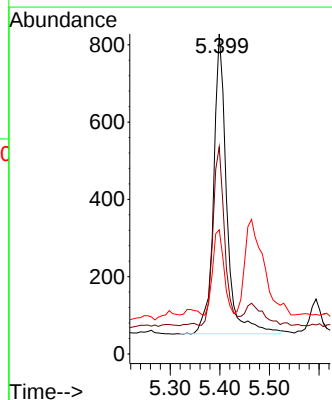
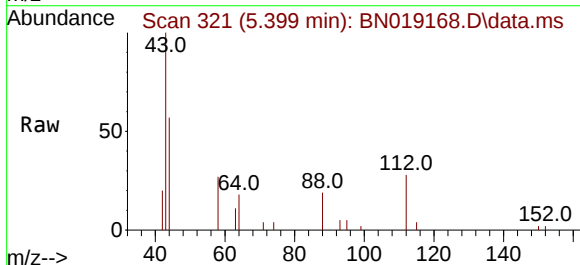
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

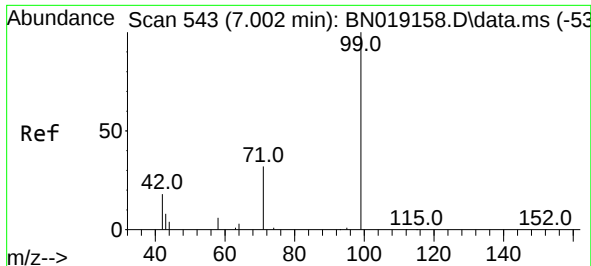
Tgt Ion: 42 Resp: 333  
Ion Ratio Lower Upper  
42 100  
74 3.0 96.9 145.3#  
44 0.0 7.3 10.9#



#4  
2-Fluorophenol  
Concen: 0.122 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion: 112 Resp: 1425  
Ion Ratio Lower Upper  
112 100  
64 52.6 47.8 71.8  
63 24.5 25.7 38.5#

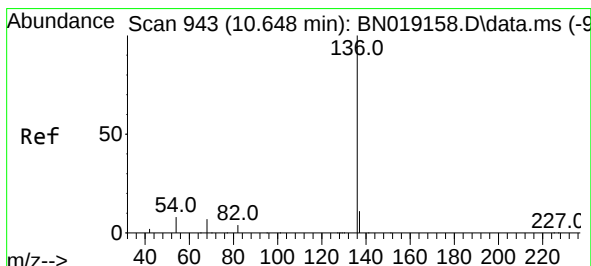
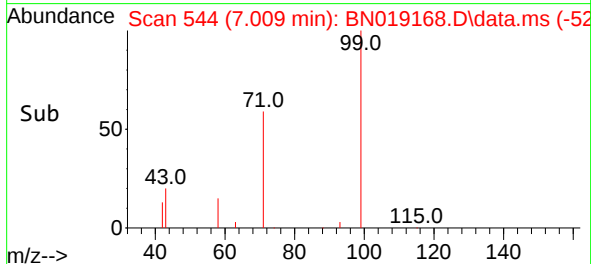
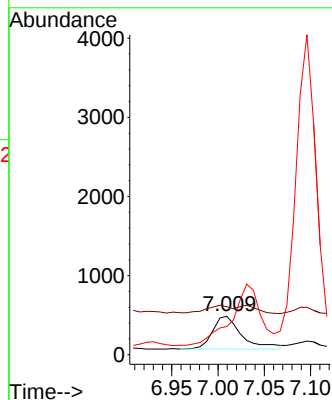
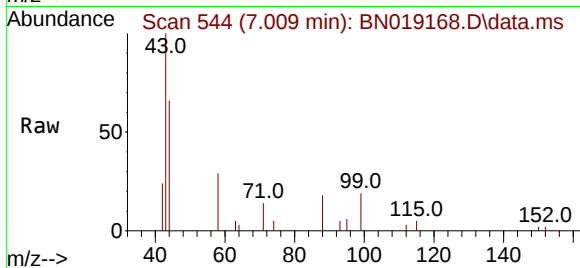




#5  
Phenol-d6  
Concen: 0.067 ng  
RT: 7.009 min Scan# 54  
Delta R.T. 0.007 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

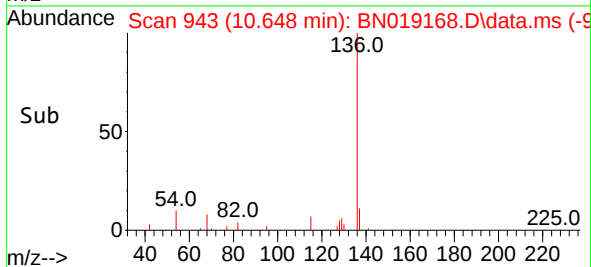
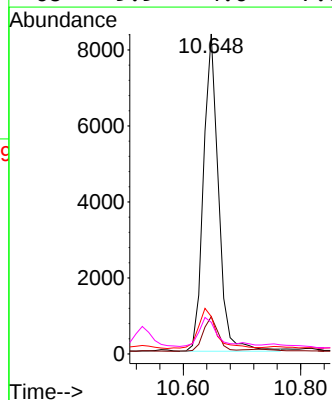
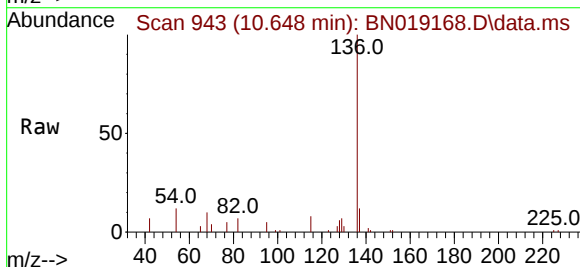
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

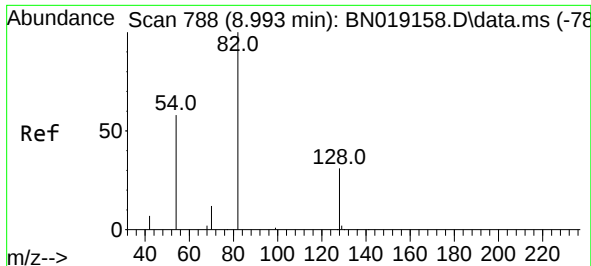
Tgt Ion: 99 Resp: 904  
Ion Ratio Lower Upper  
99 100  
42 19.0 16.2 24.4  
71 0.0 27.7 41.5#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion: 136 Resp: 14915  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.0 13.4  
54 11.7 5.8 8.6#  
68 9.9 4.6 7.0#

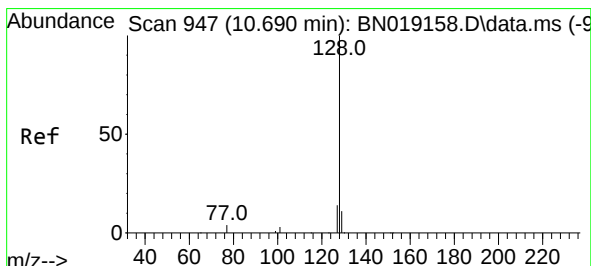
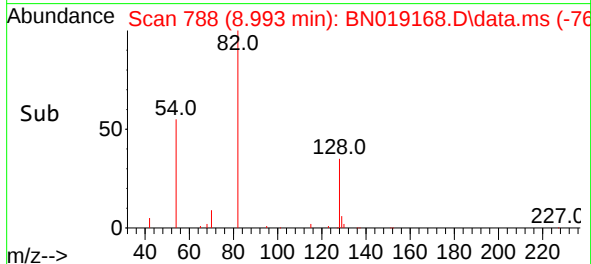
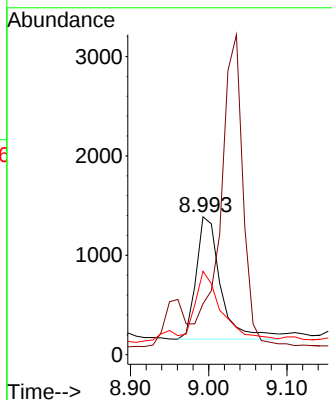
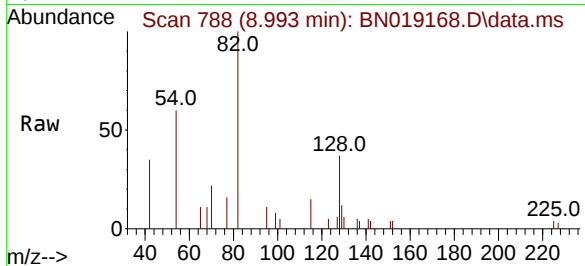




#8  
Nitrobenzene-d5  
Concen: 0.233 ng  
RT: 8.993 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

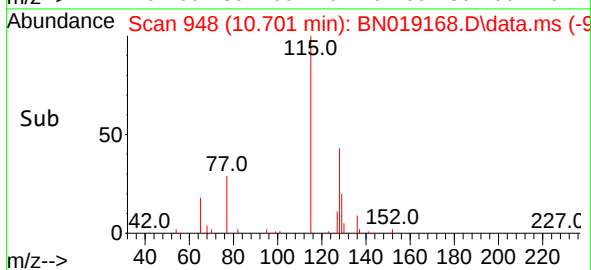
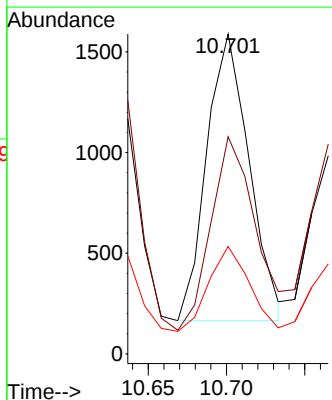
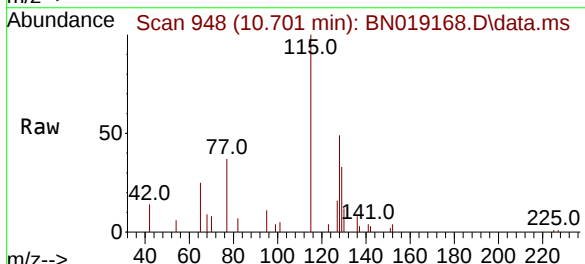
Instrument :  
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ClientSampleId :  
MW-58

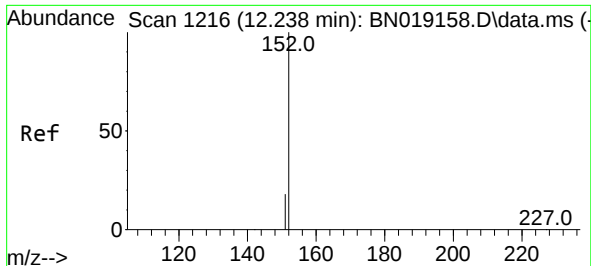
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2694  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 36.9  | 33.0  | 49.6  |
| 54       | 60.5  | 42.5  | 63.7  |



#9  
Naphthalene  
Concen: 0.064 ng  
RT: 10.701 min Scan# 948  
Delta R.T. 0.011 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 2686  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 67.9  | 9.0   | 13.4# |
| 127      | 33.6  | 10.7  | 16.1# |

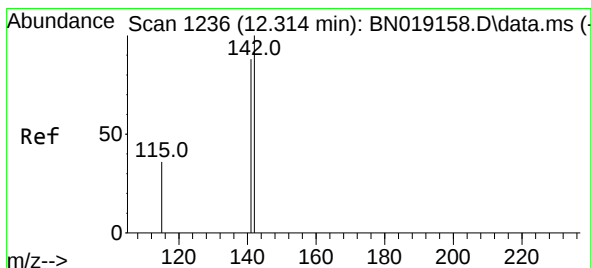
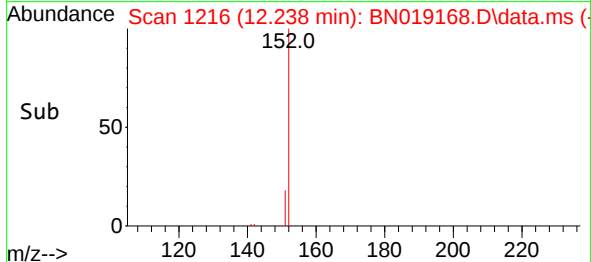
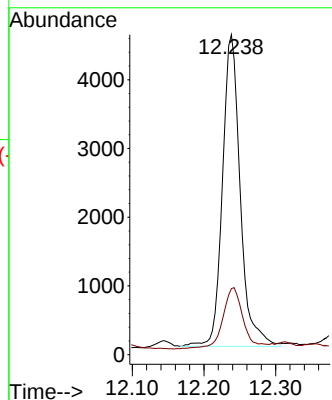
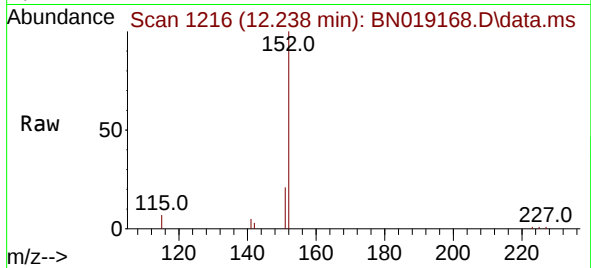




#11  
2-Methylnaphthalene-d10  
Concen: 0.326 ng  
RT: 12.238 min Scan# 1216  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

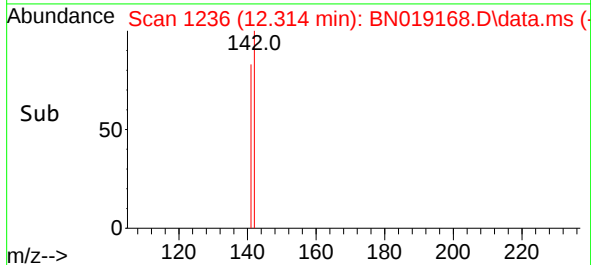
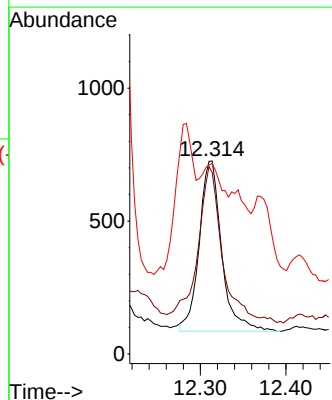
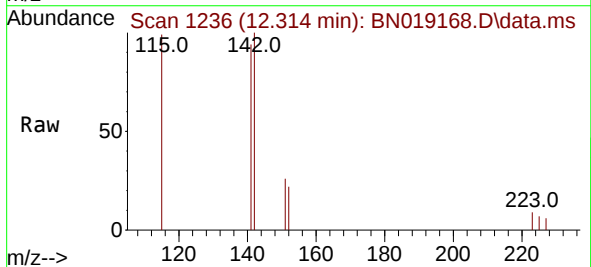
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

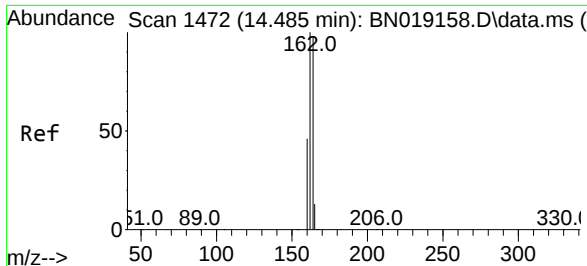
Tgt Ion:152 Resp: 7794  
Ion Ratio Lower Upper  
152 100  
151 22.9 16.5 24.7



#12  
2-Methylnaphthalene  
Concen: 0.042 ng  
RT: 12.314 min Scan# 1236  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion:142 Resp: 1171  
Ion Ratio Lower Upper  
142 100  
141 94.1 70.0 105.0  
115 98.8 29.8 44.8#

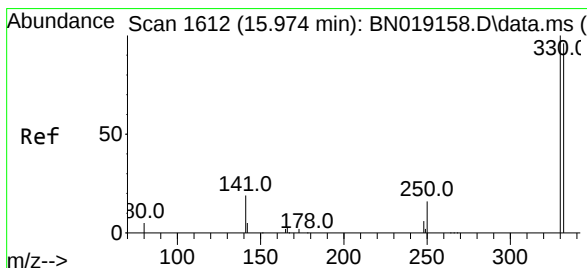
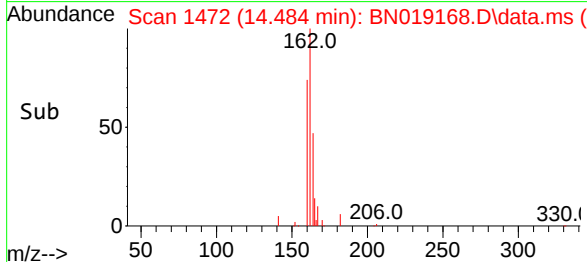
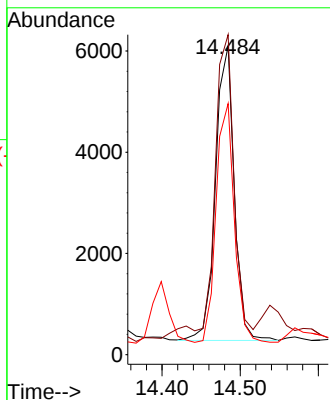
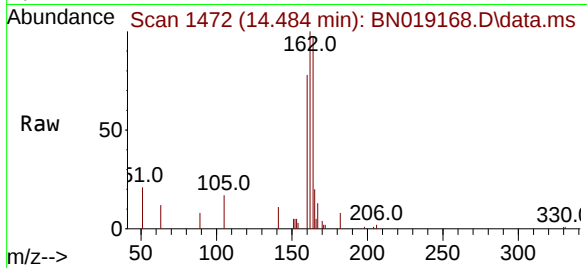




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

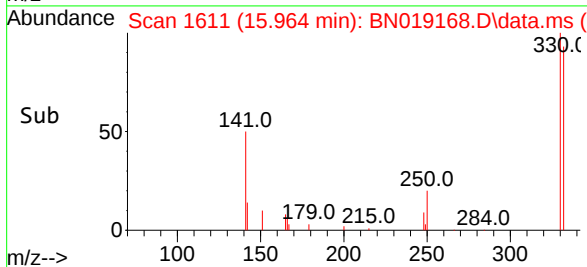
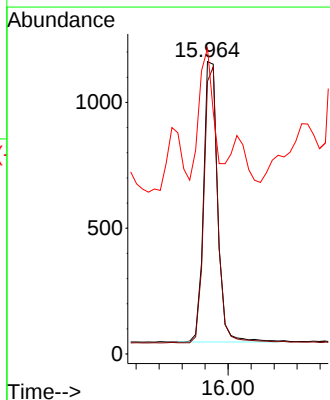
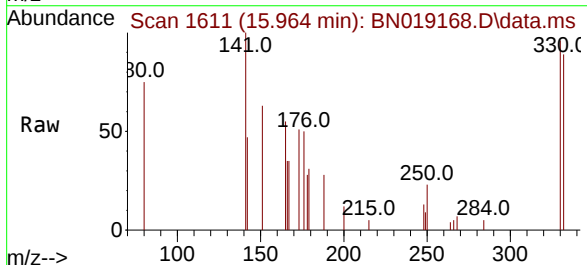
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

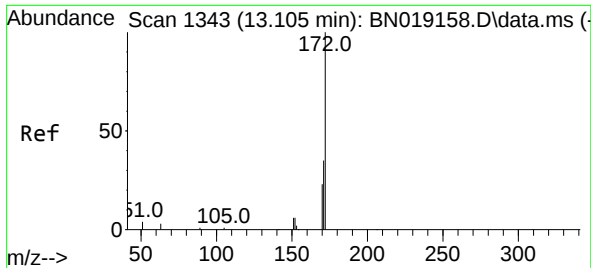
Tgt Ion:164 Resp: 9634  
Ion Ratio Lower Upper  
164 100  
162 103.6 85.2 127.8  
160 81.3 41.5 62.3#



#14  
2,4,6-Tribromophenol  
Concen: 0.408 ng  
RT: 15.964 min Scan# 1611  
Delta R.T. -0.010 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion:330 Resp: 1910  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.8 115.2  
141 48.5 32.2 48.2#

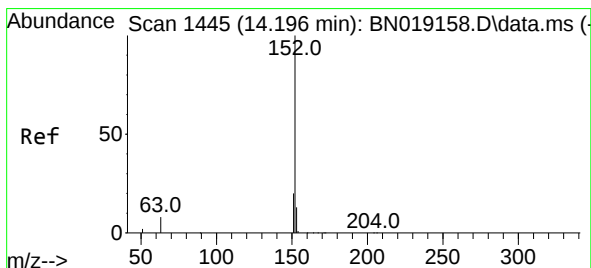
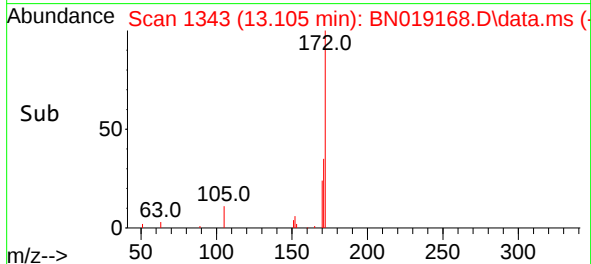
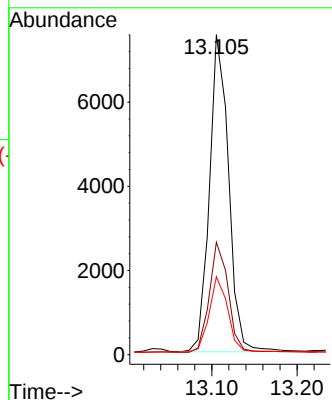
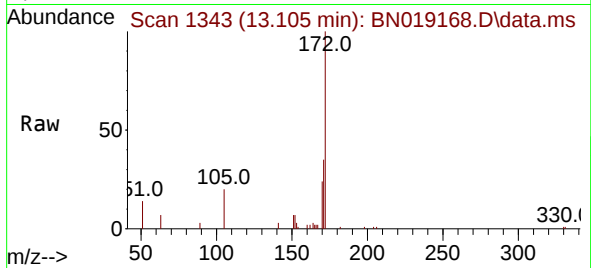




#15  
2-Fluorobiphenyl  
Concen: 0.290 ng  
RT: 13.105 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

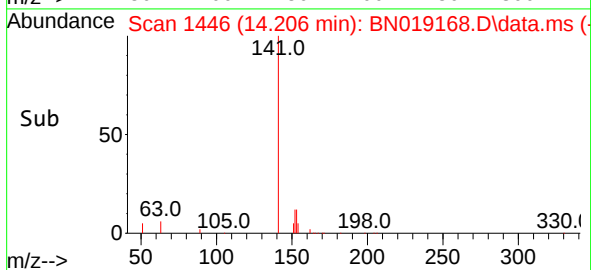
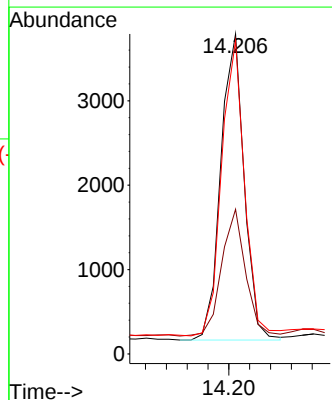
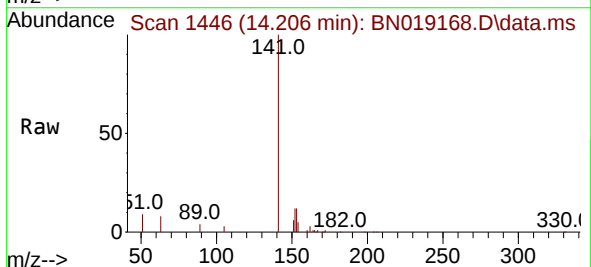
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

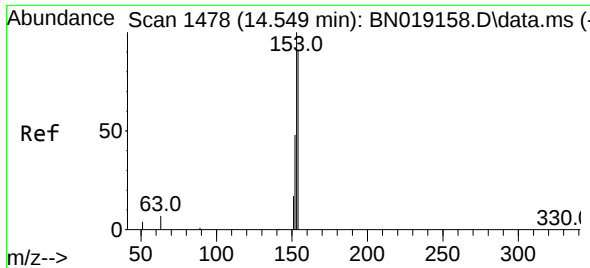
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 11744 |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 35.2  | 28.2  | 42.2  |
| 170      | 24.3  | 18.7  | 28.1  |



#16  
Acenaphthylene  
Concen: 0.129 ng  
RT: 14.206 min Scan# 1446  
Delta R.T. 0.011 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 5656  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 42.3  | 15.9  | 23.9# |
| 153      | 94.4  | 10.6  | 15.8# |

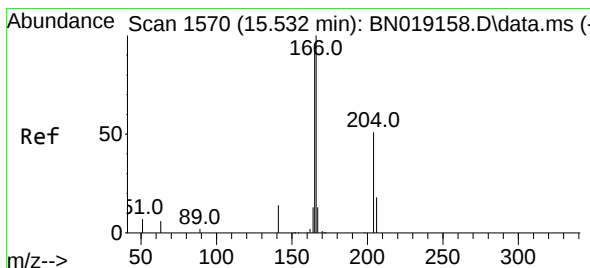
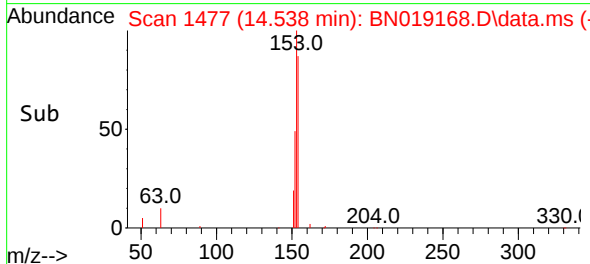
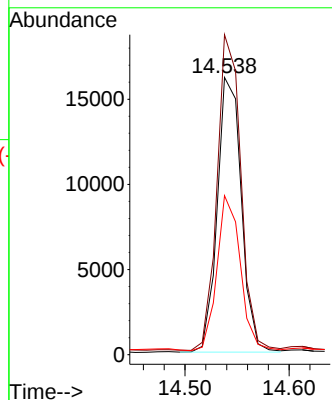
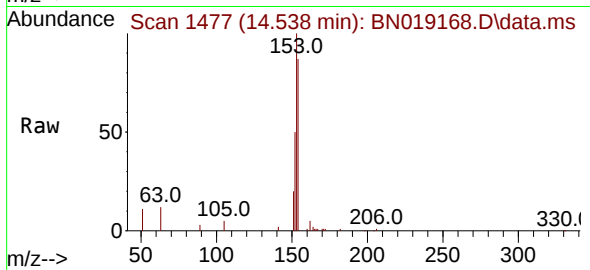




#17  
 Acenaphthene  
 Concen: 0.831 ng  
 RT: 14.538 min Scan# 1477  
 Delta R.T. -0.011 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

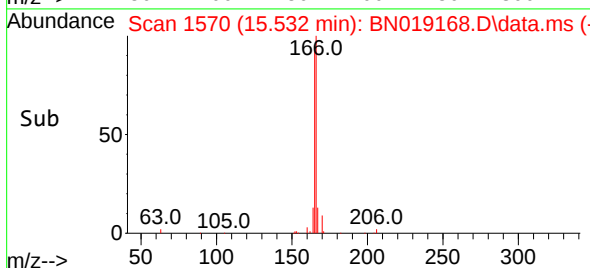
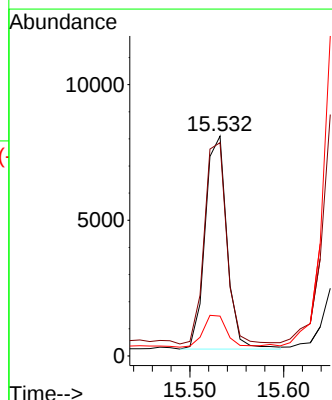
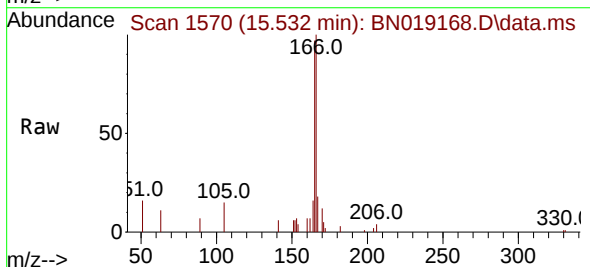
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-58

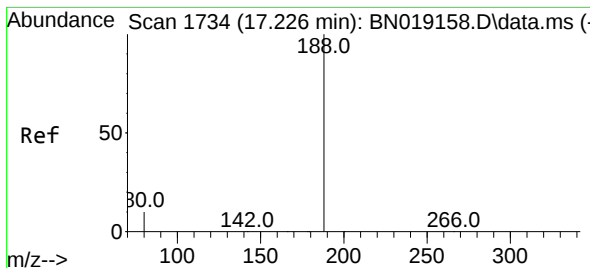
Tgt Ion:154 Resp: 25889  
 Ion Ratio Lower Upper  
 154 100  
 153 113.3 89.7 134.5  
 152 54.8 44.7 67.1



#18  
 Fluorene  
 Concen: 0.321 ng  
 RT: 15.532 min Scan# 1570  
 Delta R.T. -0.000 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

Tgt Ion:166 Resp: 12713  
 Ion Ratio Lower Upper  
 166 100  
 165 96.1 79.2 118.8  
 167 16.1 10.7 16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.225 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN019168.D

Acq: 25 Mar 2022 22:21

Instrument :

BNA\_N

ClientSampleId :

MW-58

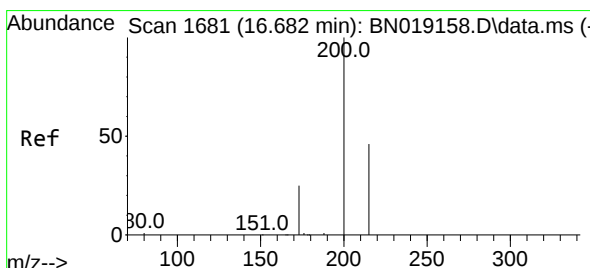
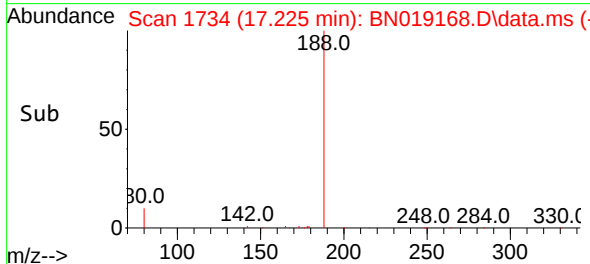
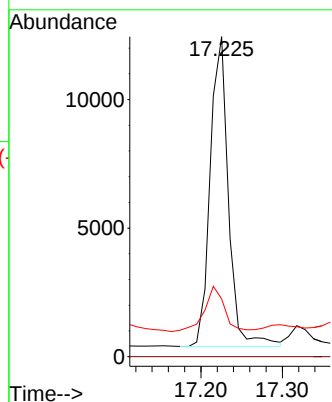
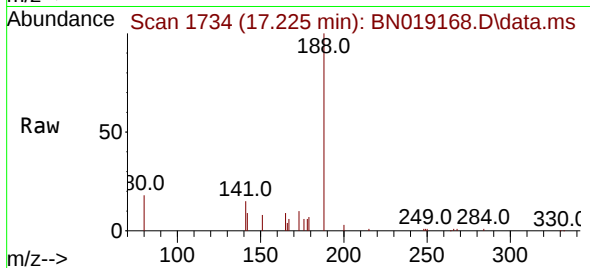
Tgt Ion:188 Resp: 18699

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 18.1 11.8 17.8#



#23

Atrazine

Concen: 0.046 ng

RT: 16.692 min Scan# 1682

Delta R.T. 0.010 min

Lab File: BN019168.D

Acq: 25 Mar 2022 22:21

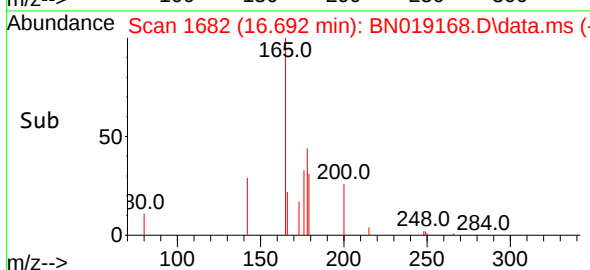
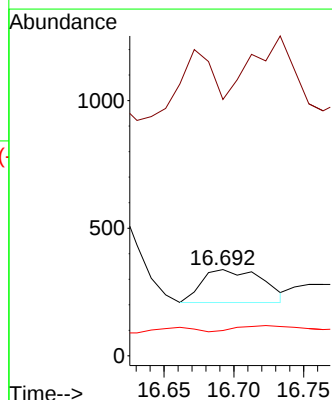
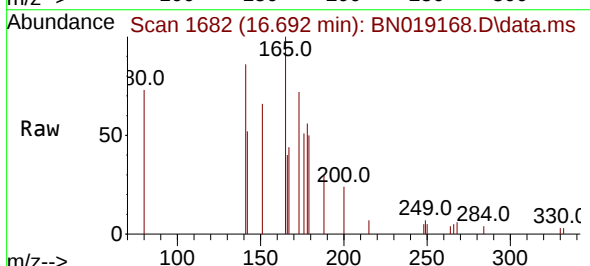
Tgt Ion:200 Resp: 391

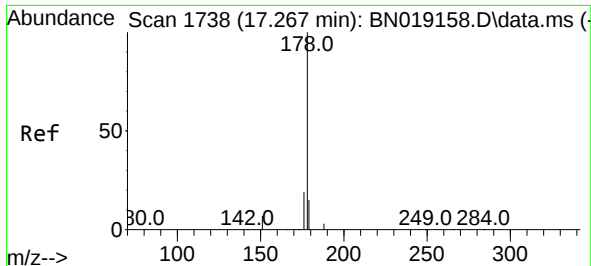
Ion Ratio Lower Upper

200 100

173 297.0 23.9 35.9#

215 29.3 36.6 54.8#

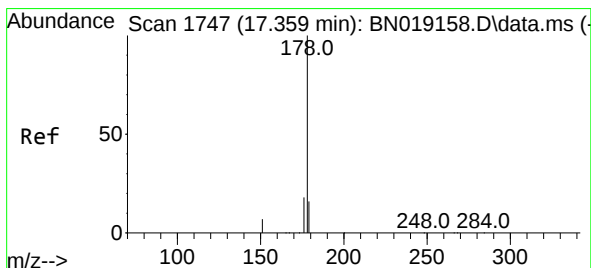
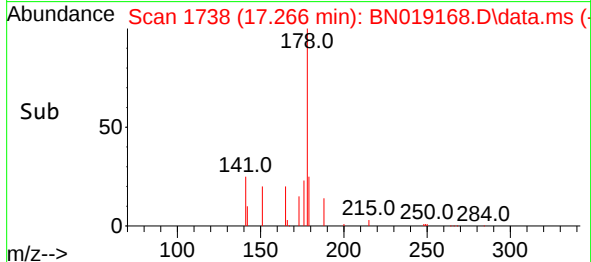
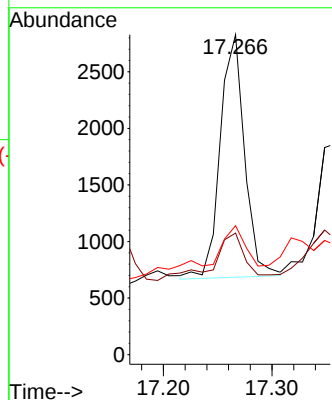
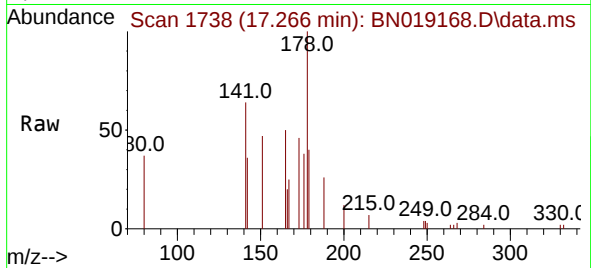




#25  
Phenanthrene  
Concen: 0.056 ng  
RT: 17.266 min Scan# 1738  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

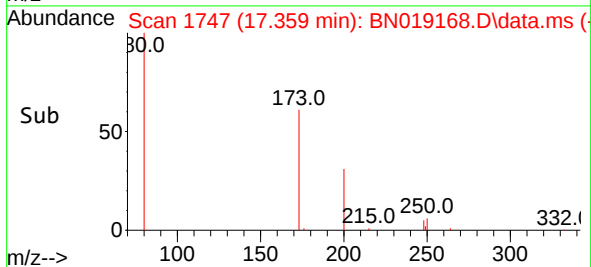
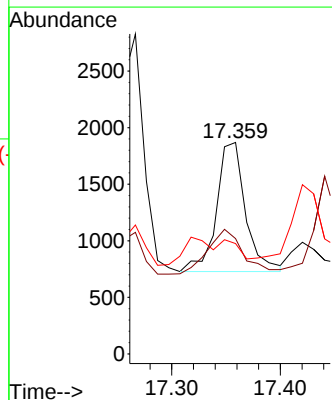
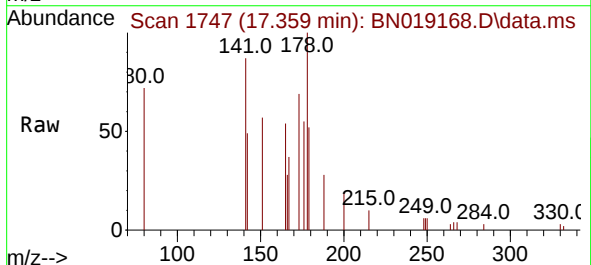
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

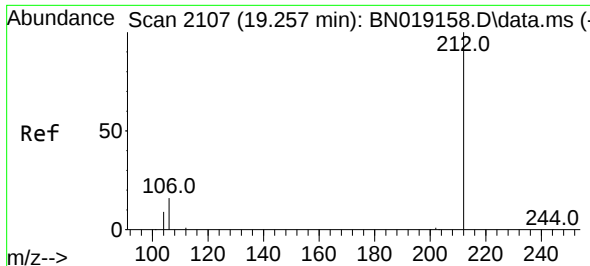
Tgt Ion:178 Resp: 3354  
Ion Ratio Lower Upper  
178 100  
176 27.4 15.4 23.0#  
179 37.8 12.2 18.2#



#26  
Anthracene  
Concen: 0.043 ng  
RT: 17.359 min Scan# 1747  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion:178 Resp: 2129  
Ion Ratio Lower Upper  
178 100  
176 43.1 14.8 22.2#  
179 0.0 12.2 18.4#

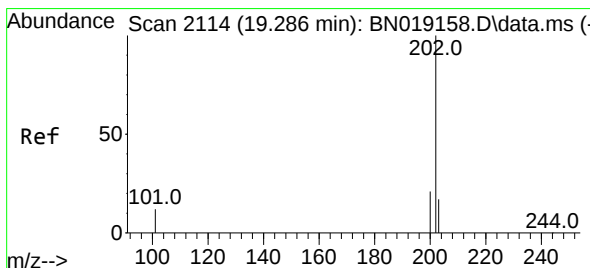
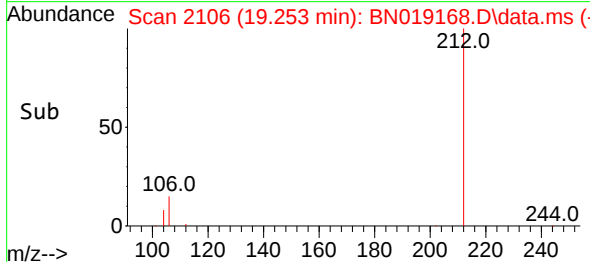
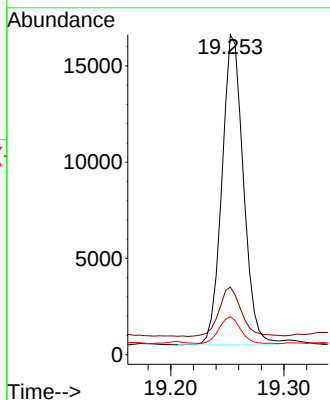
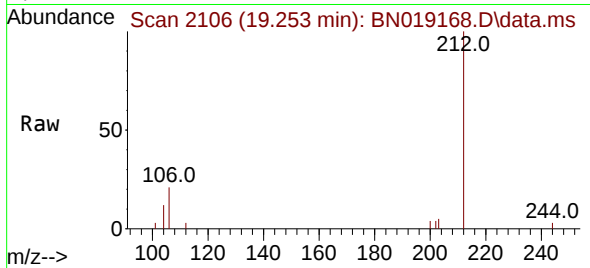




#27  
Fluoranthene-d10  
Concen: 0.388 ng  
RT: 19.253 min Scan# 2106  
Delta R.T. -0.004 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

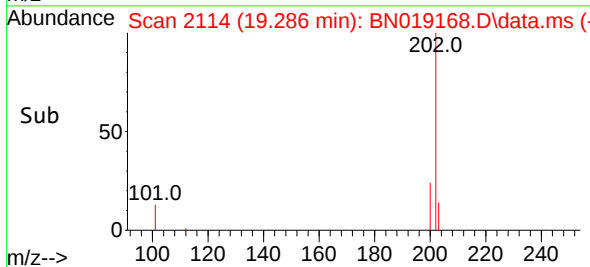
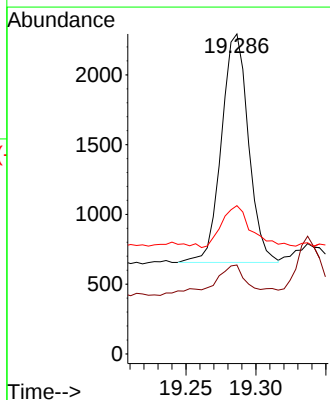
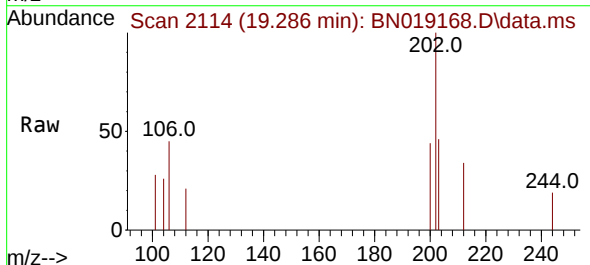
Instrument :  
BNA\_N  
ClientSampleId :  
MW-58

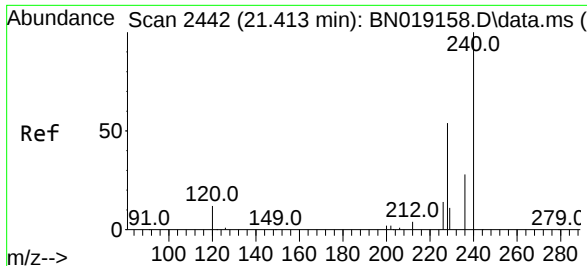
Tgt Ion:212 Resp: 21202  
Ion Ratio Lower Upper  
212 100  
106 16.6 12.7 19.1  
104 8.6 7.1 10.7



#28  
Fluoranthene  
Concen: 0.032 ng  
RT: 19.286 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: BN019168.D  
Acq: 25 Mar 2022 22:21

Tgt Ion:202 Resp: 2194  
Ion Ratio Lower Upper  
202 100  
101 20.5 9.8 14.6#  
203 20.4 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.413 min Scan# 2442

Delta R.T. -0.000 min

Lab File: BN019168.D

Acq: 25 Mar 2022 22:21

Instrument :

BNA\_N

ClientSampleId :

MW-58

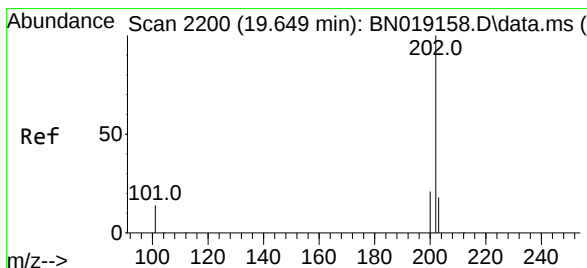
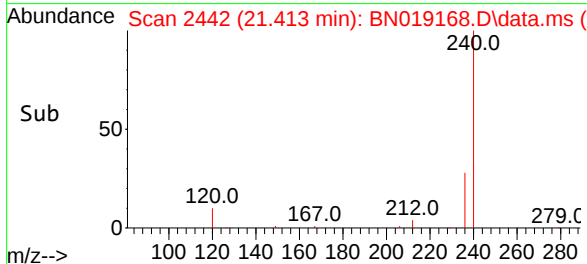
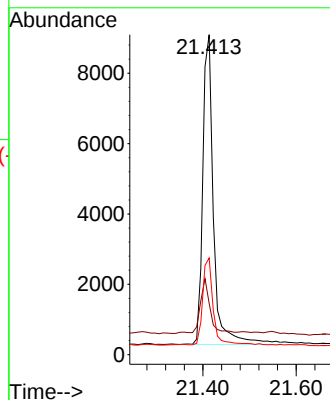
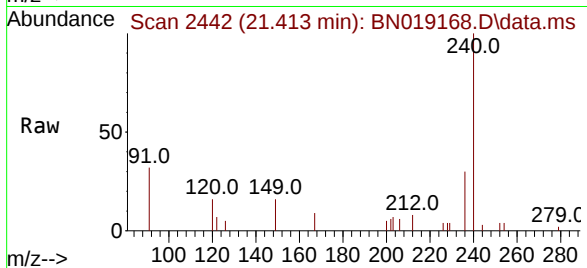
Tgt Ion:240 Resp: 14202

Ion Ratio Lower Upper

240 100

120 16.1 8.5 12.7#

236 30.2 22.4 33.6



#30

Pyrene

Concen: 0.044 ng

RT: 19.645 min Scan# 2199

Delta R.T. -0.004 min

Lab File: BN019168.D

Acq: 25 Mar 2022 22:21

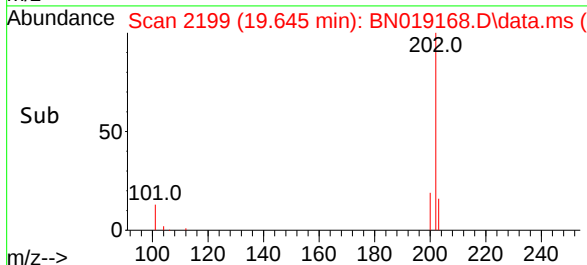
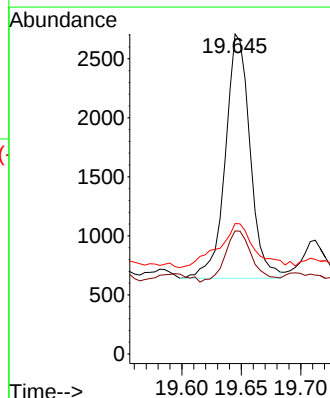
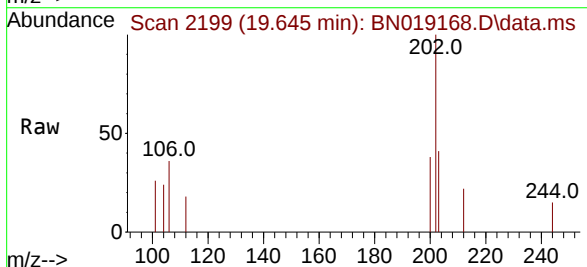
Tgt Ion:202 Resp: 2985

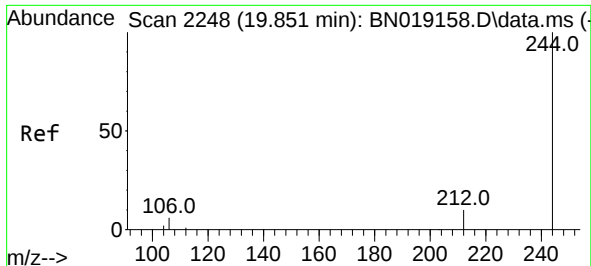
Ion Ratio Lower Upper

202 100

200 23.1 16.9 25.3

203 26.5 14.2 21.2#

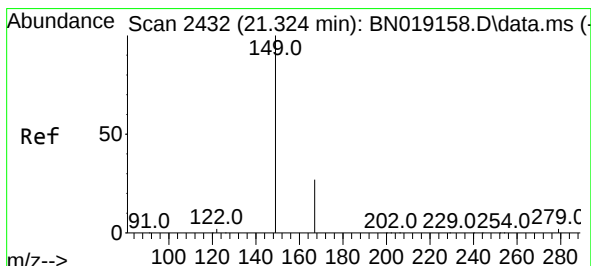
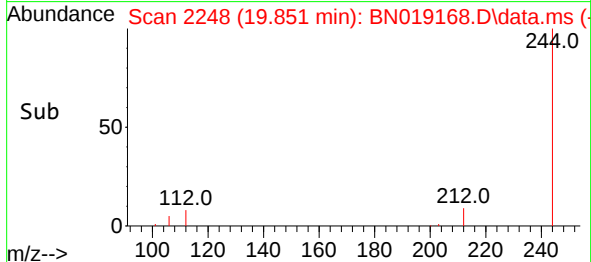
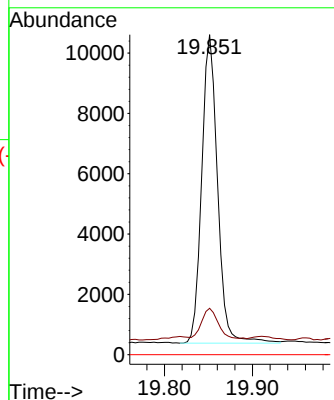
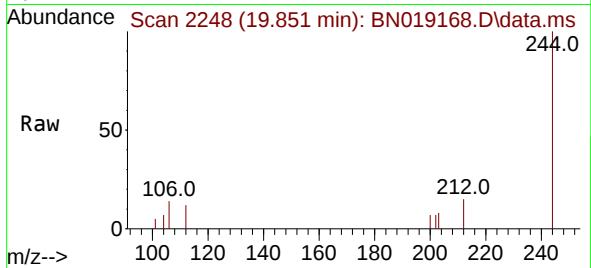




#31  
 Terphenyl-d14  
 Concen: 0.402 ng  
 RT: 19.851 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

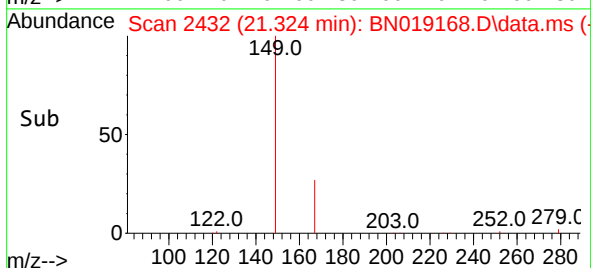
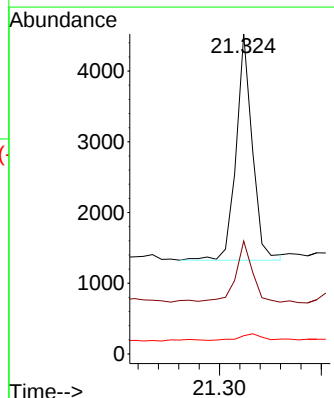
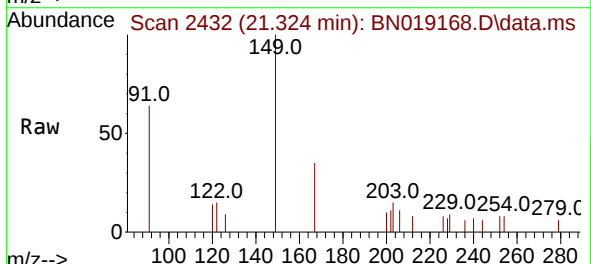
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-58

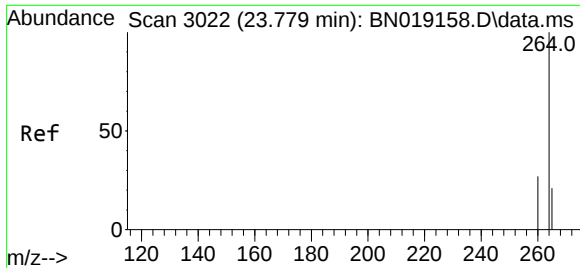
Tgt Ion:244 Resp: 12756  
 Ion Ratio Lower Upper  
 244 100  
 212 14.5 8.2 12.4#  
 122 0.0 0.0 0.0



#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.127 ng  
 RT: 21.324 min Scan# 2432  
 Delta R.T. -0.000 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

Tgt Ion:149 Resp: 3534  
 Ion Ratio Lower Upper  
 149 100  
 167 29.6 21.8 32.8  
 279 4.7 2.0 3.0#





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.776 min Scan# 30  
 Delta R.T. -0.003 min  
 Lab File: BN019168.D  
 Acq: 25 Mar 2022 22:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-58

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:264 | Resp: | 12234      |
| Ion Ratio   | Lower | Upper      |
| 264         | 100   |            |
| 260         | 27.5  | 22.4 33.6  |
| 265         | 38.8  | 25.3 37.9# |

