

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN033121\  
 Data File : BN014142.D  
 Acq On : 31 Mar 2021 13:27  
 Operator : CG/JU  
 Sample : M1842-02  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW181S-20210323

Quant Time: Mar 31 13:56:41 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN032621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 31 12:15:38 2021  
 Response via : Initial Calibration

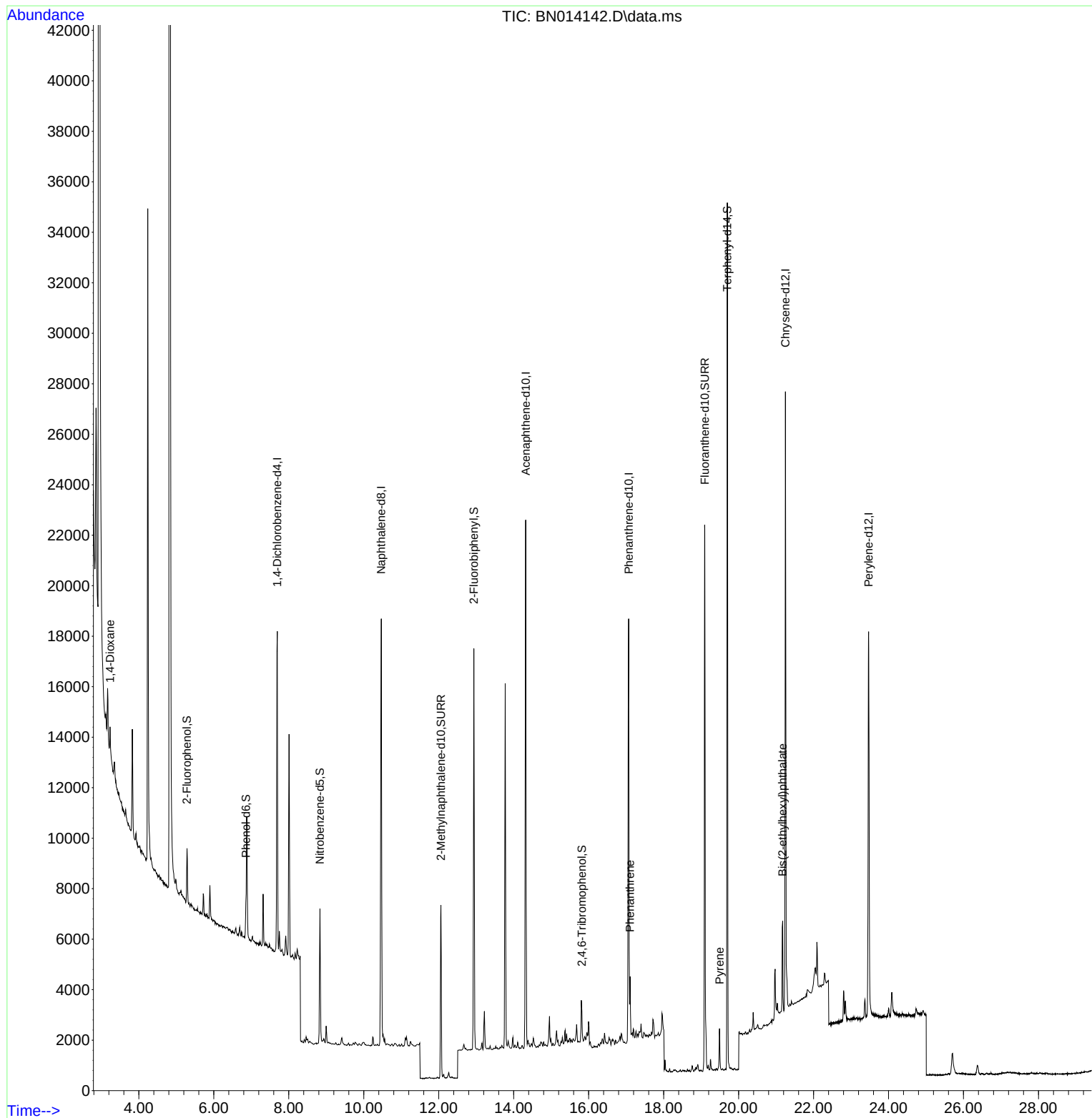
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.692  | 152  | 6160     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.467 | 136  | 22691    | 0.40 | ng    | # 0.00   |
| 13) Acenaphthene-d10          | 14.321 | 164  | 11802    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.067 | 188  | 23778    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.250 | 240  | 22235    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12              | 23.469 | 264  | 21153    | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.284  | 112  | 1600     | 0.10 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.855  | 99   | 1093     | 0.05 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.832  | 82   | 4196     | 0.27 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.057 | 152  | 9230     | 0.27 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.818 | 330  | 1185     | 0.31 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl          | 12.938 | 172  | 13136    | 0.30 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.099 | 212  | 24824    | 0.40 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.700 | 244  | 32933    | 0.64 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.231  | 88   | 1073     | 0.14 | ng    | # 78     |
| 25) Phenanthrene              | 17.104 | 178  | 2631     | 0.04 | ng    | # 94     |
| 30) Pyrene                    | 19.491 | 202  | 1508     | 0.02 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.176 | 149  | 3984     | 0.21 | ng    | # 99     |
| -----                         |        |      |          |      |       |          |

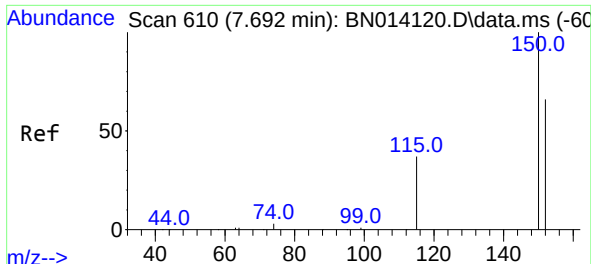
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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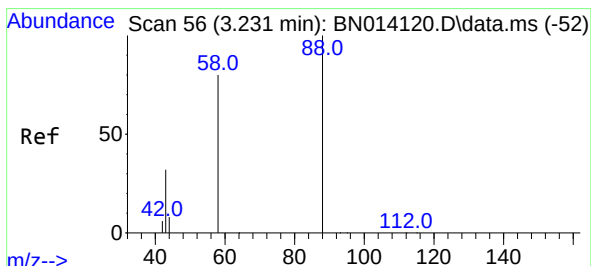
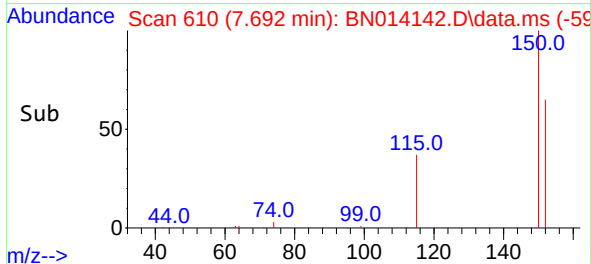
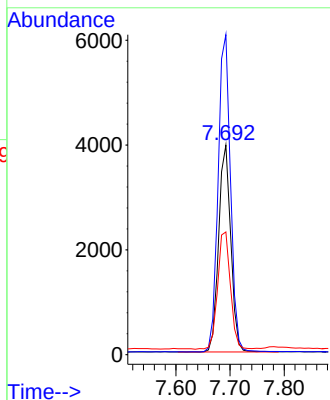
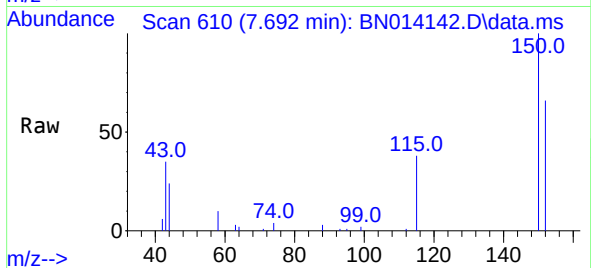


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.40 ng  
 RT: 7.692 min Scan# 610  
 Delta R.T. 0.008 min  
 Lab File: BN014142.D  
 Acq: 31 Mar 2021 13:27

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW181S-20210323

Tgt Ion: 152 Resp: 6160

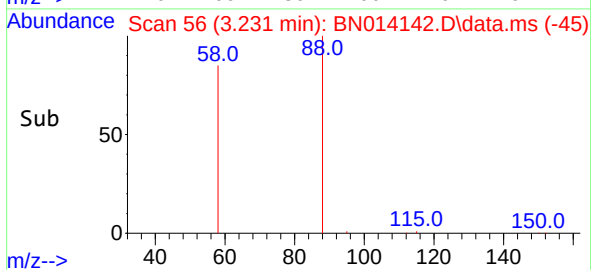
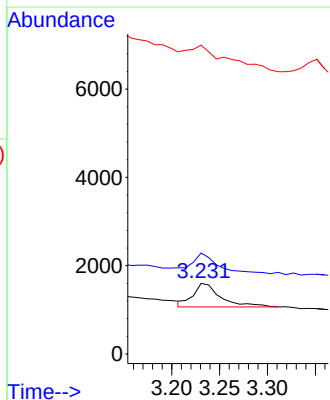
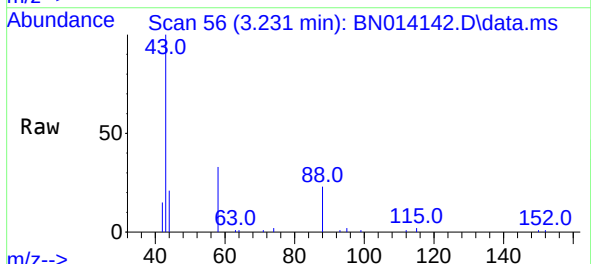
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 152.6 | 121.2 | 181.8 |
| 115 | 58.5  | 46.2  | 69.2  |

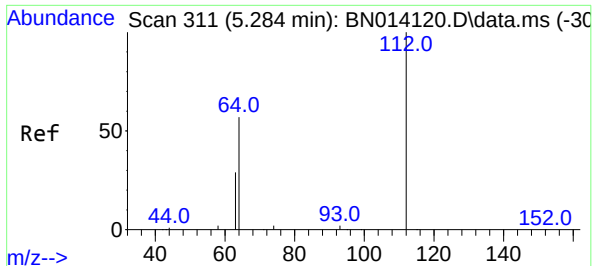


#2  
 1,4-Dioxane  
 Concen: 0.14 ng  
 RT: 3.231 min Scan# 56  
 Delta R.T. -0.008 min  
 Lab File: BN014142.D  
 Acq: 31 Mar 2021 13:27

Tgt Ion: 88 Resp: 1073

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 85.6  | 63.1  | 94.7  |
| 43  | 0.0   | 26.2  | 39.2  |

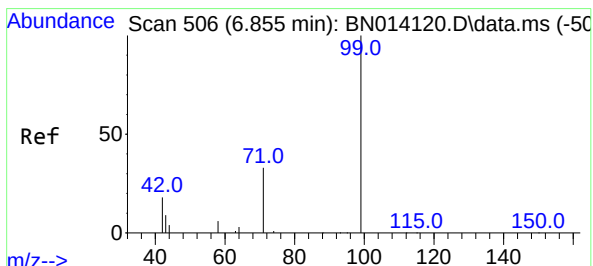
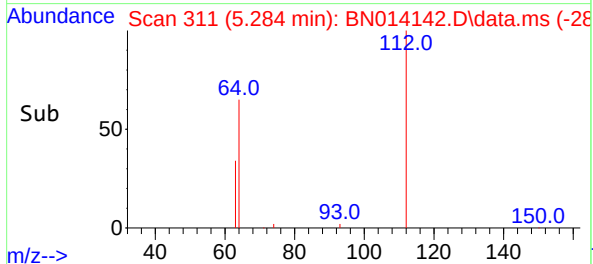
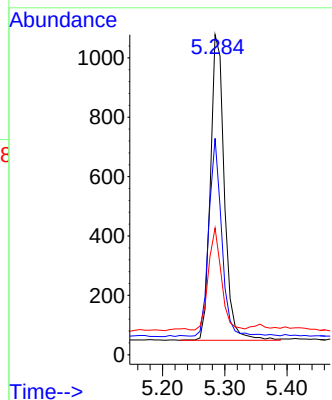
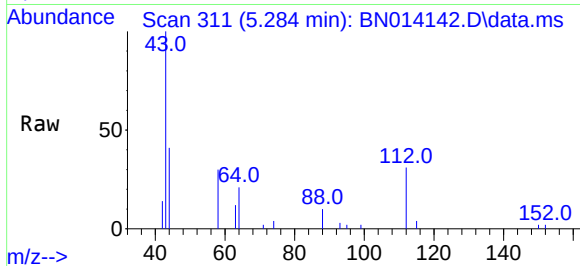




#4  
2-Fluorophenol  
Concen: 0.10 ng  
RT: 5.284 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

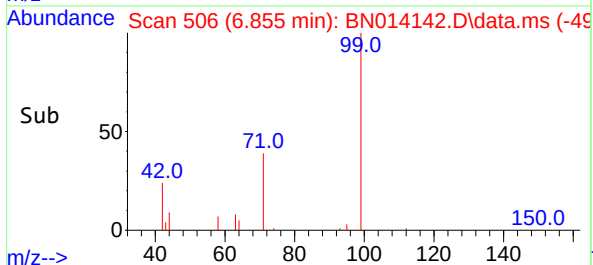
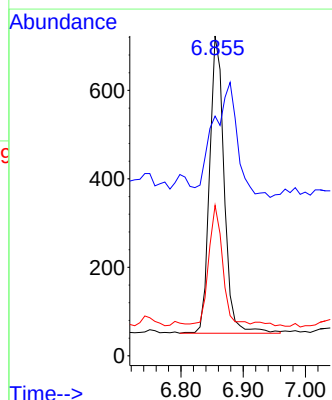
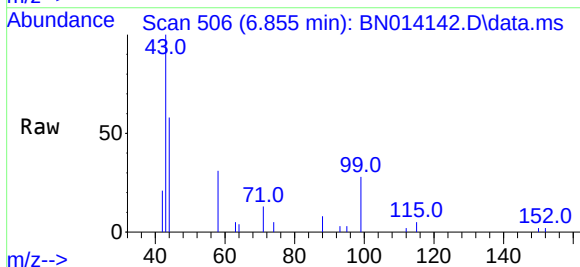
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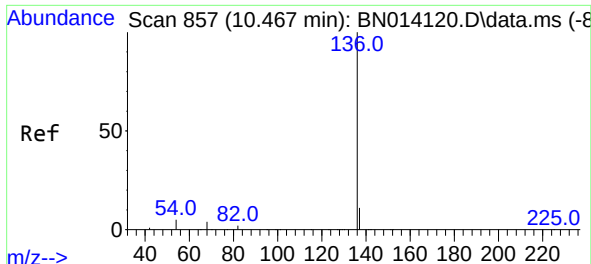
Tgt Ion:112 Resp: 1600  
Ion Ratio Lower Upper  
112 100  
64 59.8 48.3 72.5  
63 30.9 25.4 38.0



#5  
Phenol-d6  
Concen: 0.05 ng  
RT: 6.855 min Scan# 506  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

Tgt Ion: 99 Resp: 1093  
Ion Ratio Lower Upper  
99 100  
42 0.0 18.2 27.4#  
71 37.2 26.7 40.1

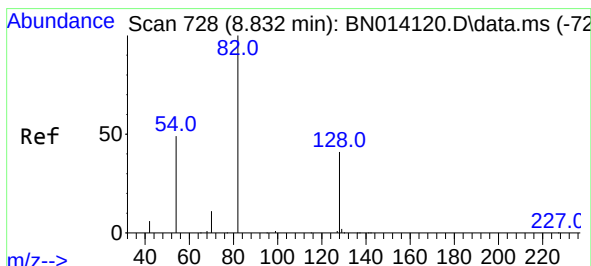
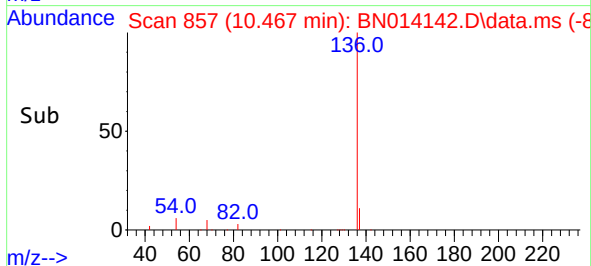
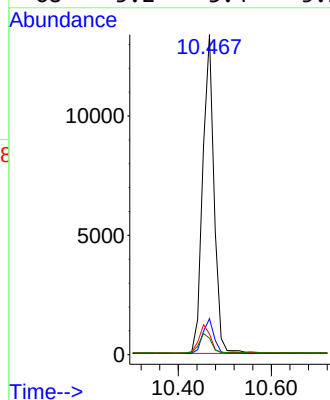
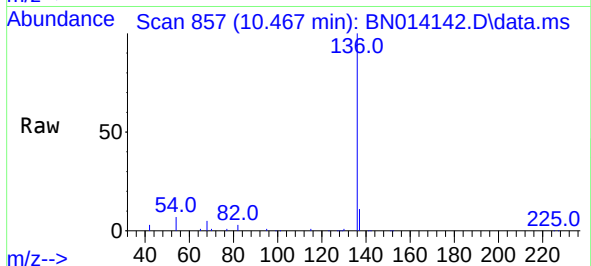




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.467 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

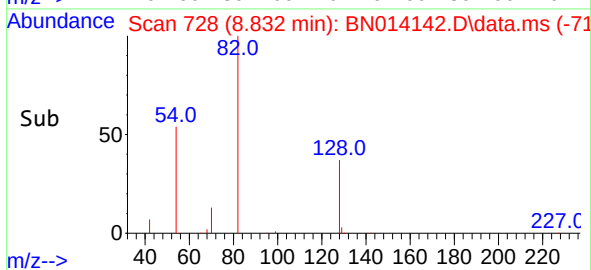
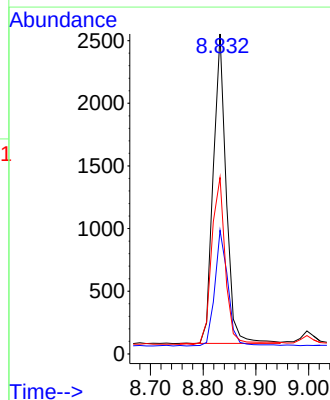
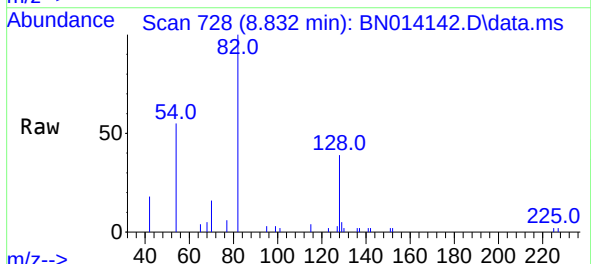
Instrument :  
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MW181S-20210323

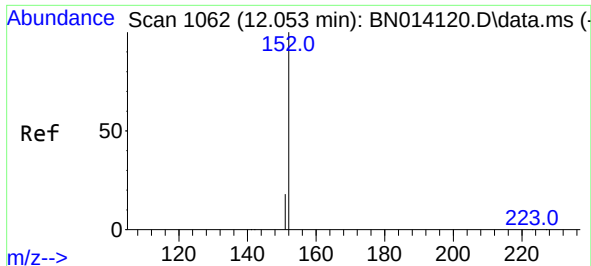
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 22691 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.2  | 9.1   | 13.7  |
| 54       | 6.5   | 4.3   | 6.5#  |
| 68       | 5.2   | 3.4   | 5.2#  |



#8  
Nitrobenzene-d5  
Concen: 0.27 ng  
RT: 8.832 min Scan# 728  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4196  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.7  | 33.5  | 50.3  |
| 54       | 55.2  | 40.3  | 60.5  |

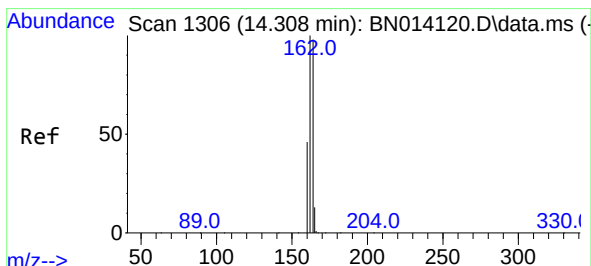
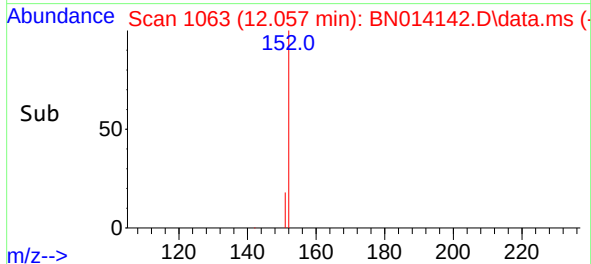
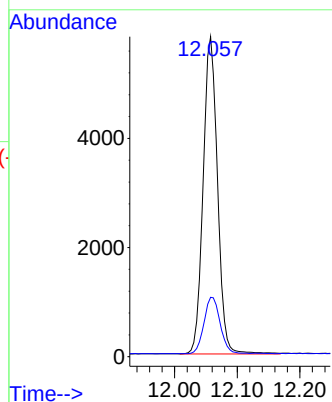
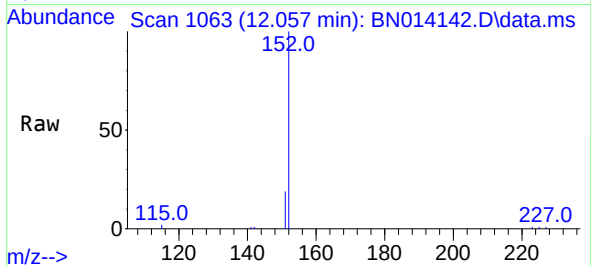




#11  
2-Methylnaphthalene-d10  
Concen: 0.27 ng  
RT: 12.057 min Scan# 1063  
Delta R.T. 0.004 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

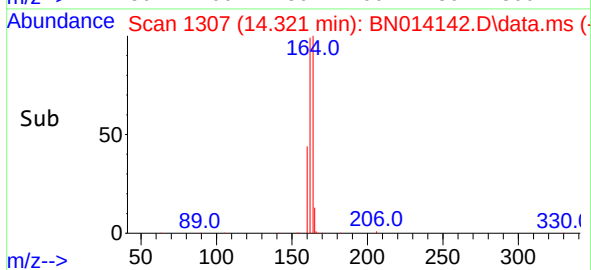
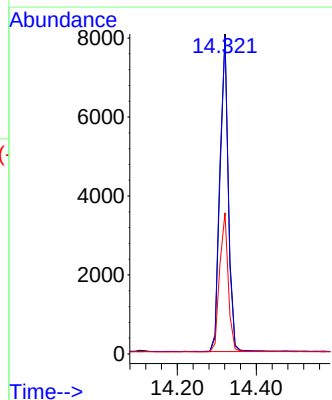
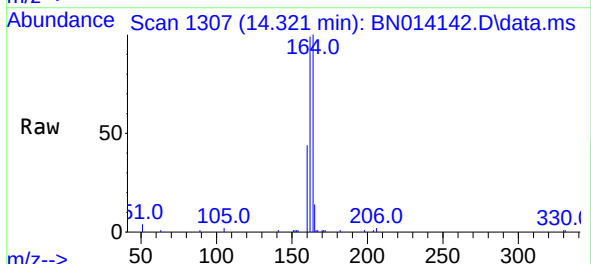
Instrument :  
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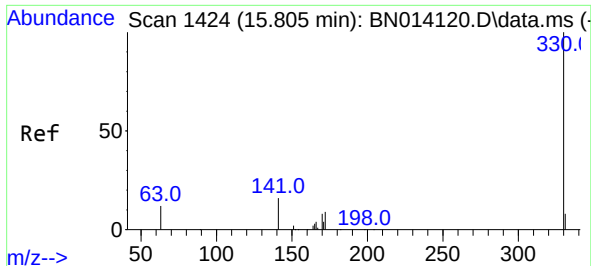
Tgt Ion:152 Resp: 9230  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.1 24.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.321 min Scan# 1307  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

Tgt Ion:164 Resp: 11802  
Ion Ratio Lower Upper  
164 100  
162 99.2 81.4 122.2  
160 44.1 37.5 56.3

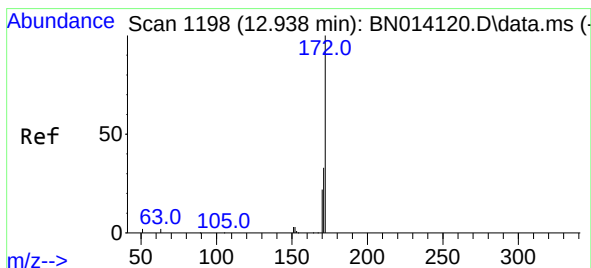
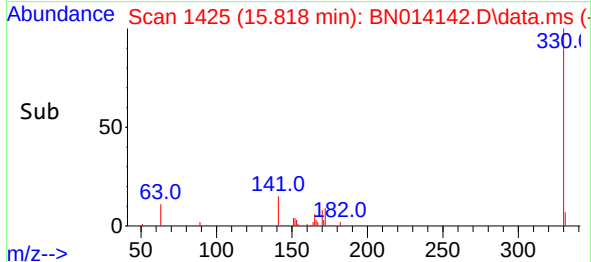
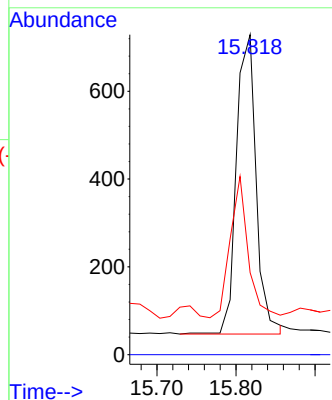
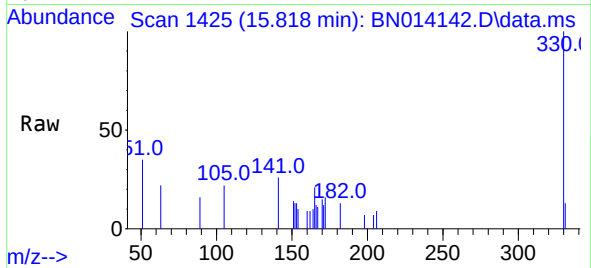




#14  
2,4,6-Tribromophenol  
Concen: 0.31 ng  
RT: 15.818 min Scan# 1425  
Delta R.T. 0.012 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

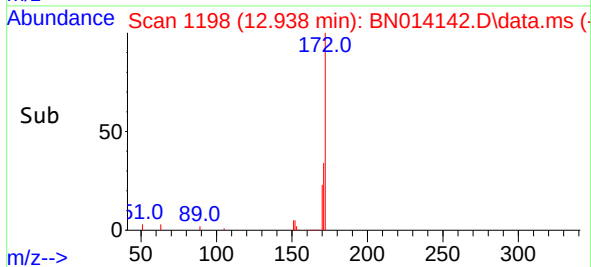
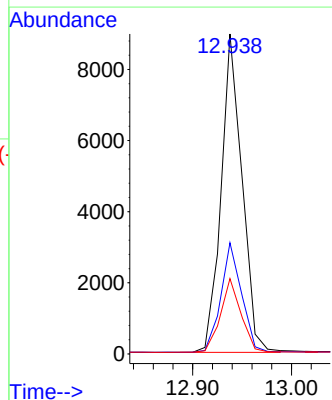
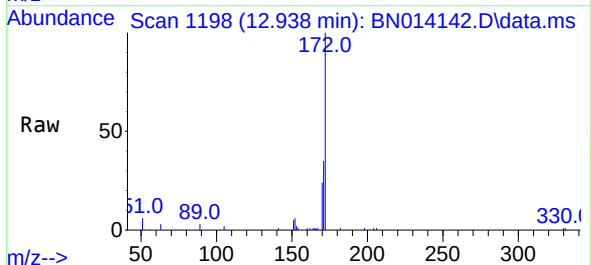
Instrument :  
BNA\_N  
ClientSampleId :  
MW181S-20210323

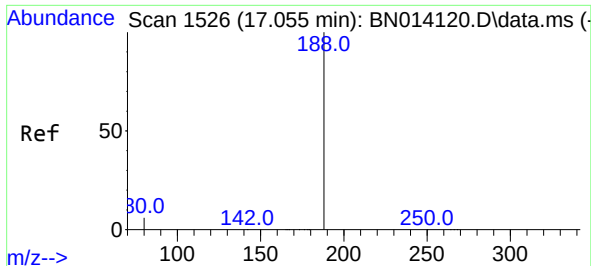
Tgt Ion:330 Resp: 1185  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 43.1 31.2 46.8



#15  
2-Fluorobiphenyl  
Concen: 0.30 ng  
RT: 12.938 min Scan# 1198  
Delta R.T. -0.000 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

Tgt Ion:172 Resp: 13136  
Ion Ratio Lower Upper  
172 100  
171 34.7 26.9 40.3  
170 23.6 17.8 26.8





#19

Phenanthrene-d10

Concen: 0.40 ng

RT: 17.067 min Scan# 1527

Delta R.T. 0.000 min

Lab File: BN014142.D

Acq: 31 Mar 2021 13:27

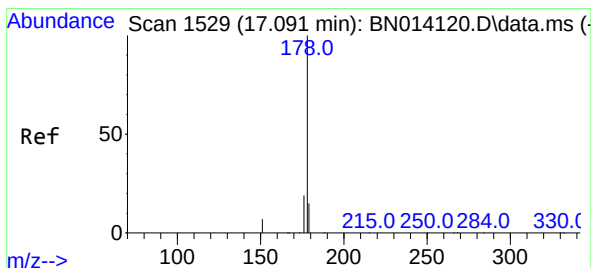
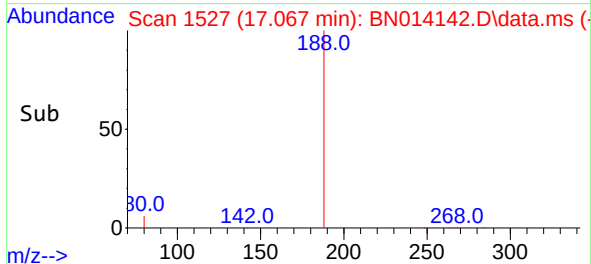
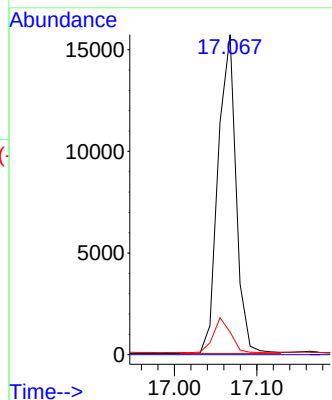
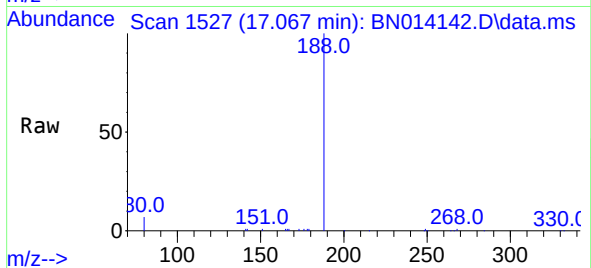
Tgt Ion:188 Resp: 23778

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.0 5.2 7.8



#25

Phenanthrene

Concen: 0.04 ng

RT: 17.104 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BN014142.D

Acq: 31 Mar 2021 13:27

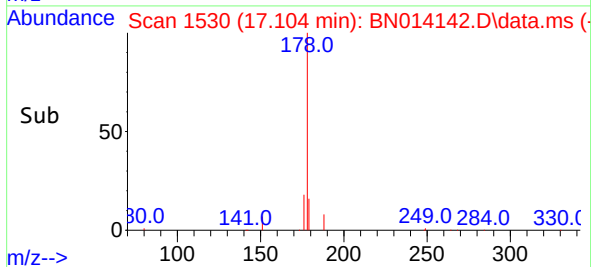
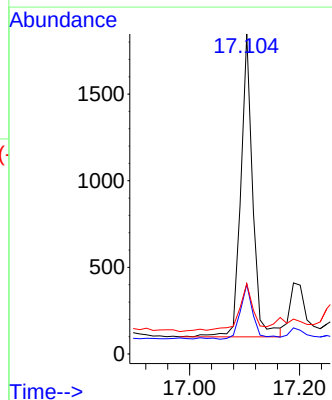
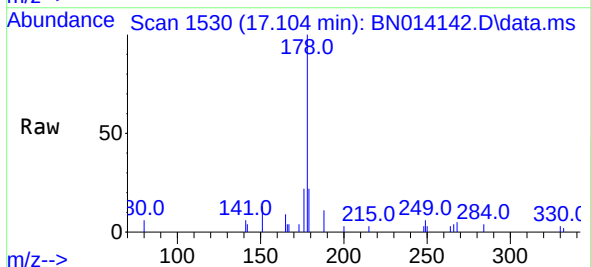
Tgt Ion:178 Resp: 2631

Ion Ratio Lower Upper

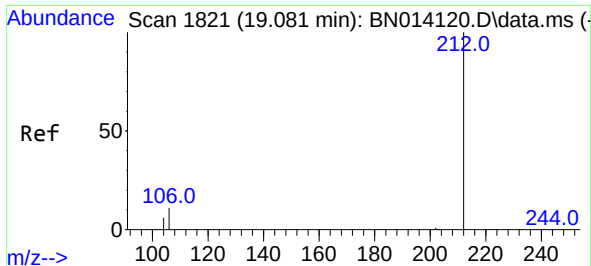
178 100

176 19.6 15.0 22.6

179 19.8 12.4 18.6#



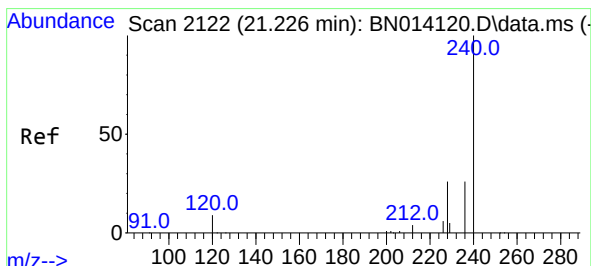
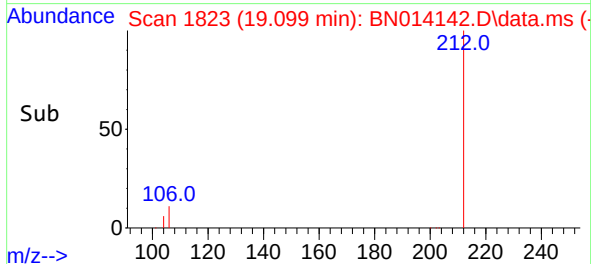
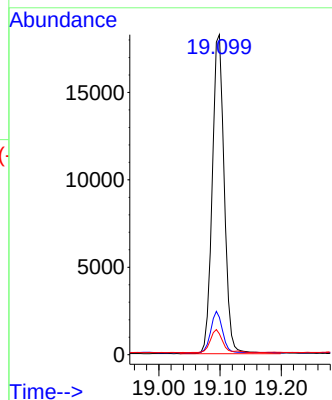
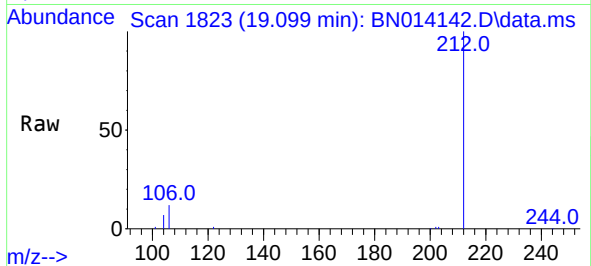




#27  
Fluoranthene-d10  
Concen: 0.40 ng  
RT: 19.099 min Scan# 1823  
Delta R.T. 0.003 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

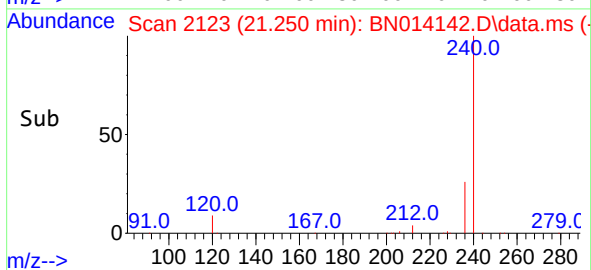
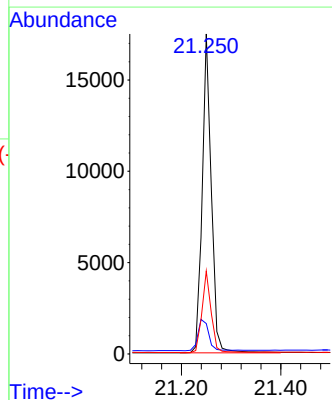
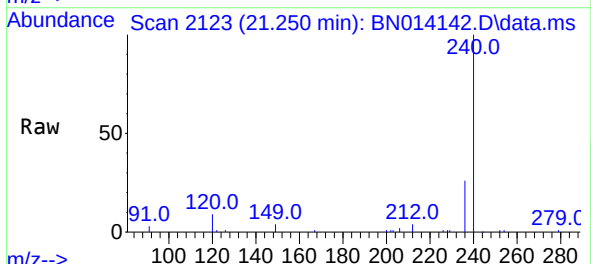
Instrument :  
BNA\_N  
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MW181S-20210323

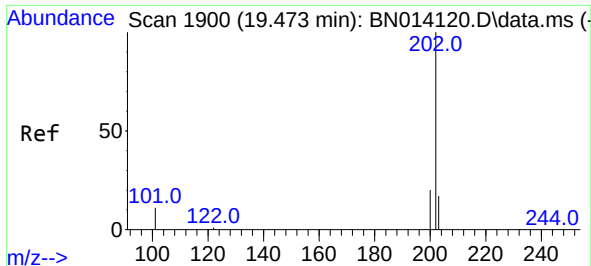
Tgt Ion:212 Resp: 24824  
Ion Ratio Lower Upper  
212 100  
106 12.7 10.1 15.1  
104 7.5 5.5 8.3



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.250 min Scan# 2123  
Delta R.T. 0.003 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

Tgt Ion:240 Resp: 22235  
Ion Ratio Lower Upper  
240 100  
120 9.5 8.4 12.6  
236 25.9 21.0 31.6

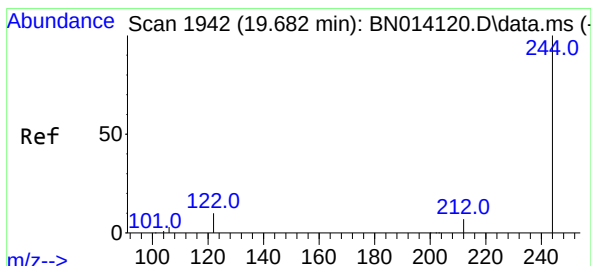
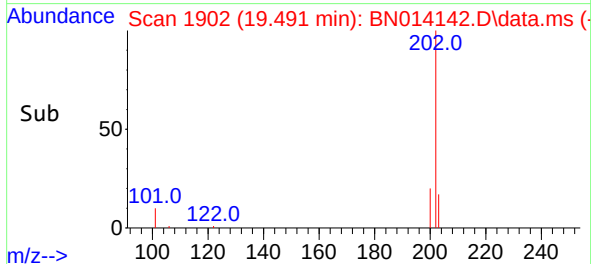
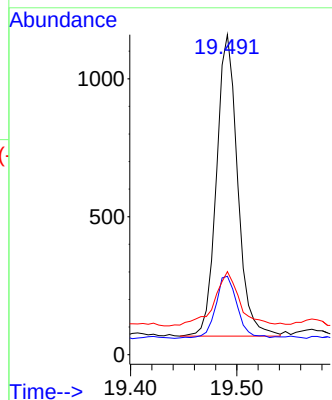
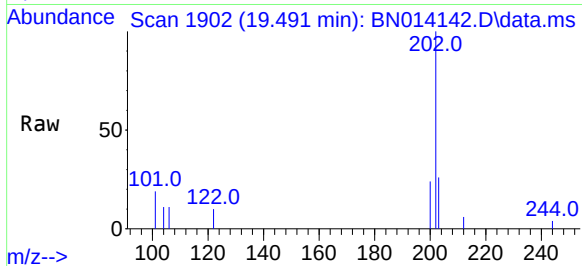




#30  
Pyrene  
Concen: 0.02 ng  
RT: 19.491 min Scan# 1902  
Delta R.T. 0.003 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

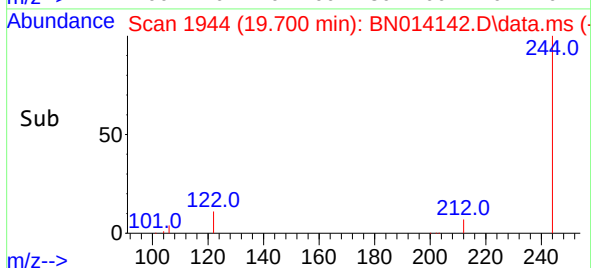
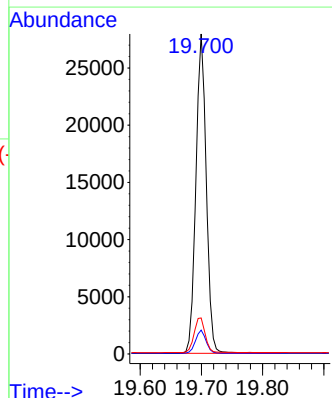
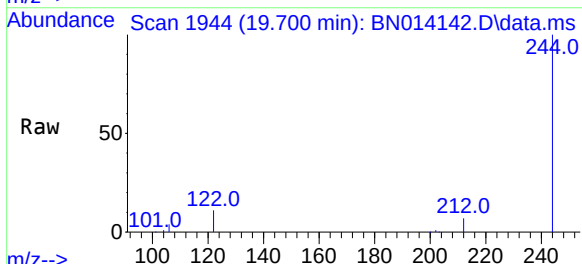
Instrument :  
BNA\_N  
ClientSampleId :  
MW181S-20210323

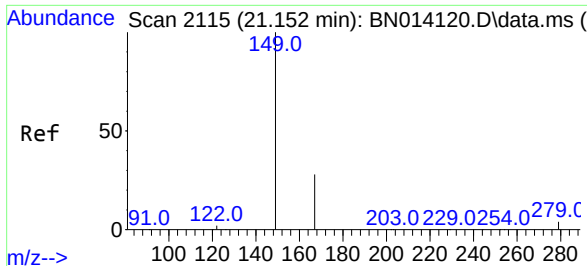
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:202 | Resp: | 1508       |
| Ion Ratio   | Lower | Upper      |
| 202         | 100   |            |
| 200         | 21.6  | 16.2 24.4  |
| 203         | 22.0  | 13.9 20.9# |



#31  
Terphenyl-d14  
Concen: 0.64 ng  
RT: 19.700 min Scan# 1944  
Delta R.T. 0.003 min  
Lab File: BN014142.D  
Acq: 31 Mar 2021 13:27

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 32933    |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.5   | 6.0 9.0  |
| 122         | 11.3  | 8.6 13.0 |

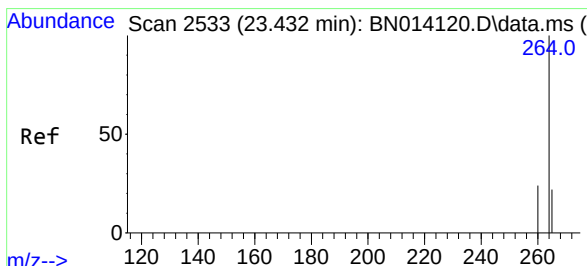
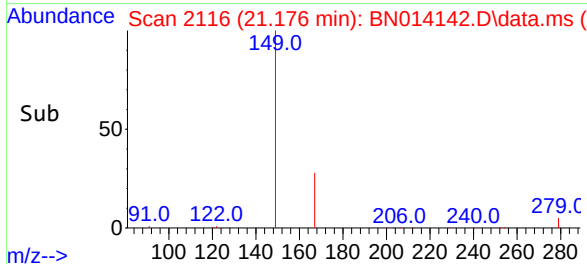
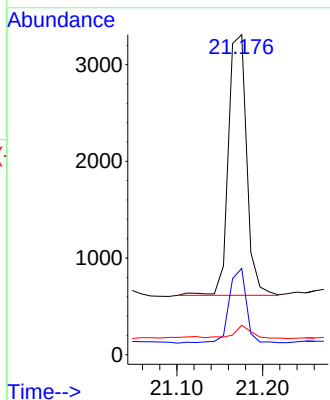
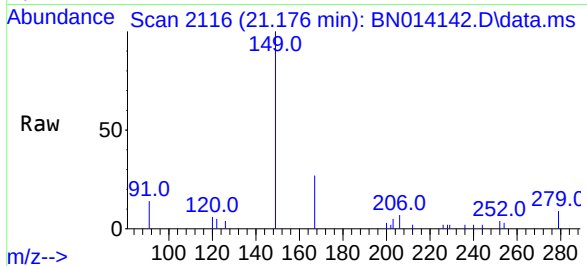




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.21 ng  
 RT: 21.176 min Scan# 2116  
 Delta R.T. 0.003 min  
 Lab File: BN014142.D  
 Acq: 31 Mar 2021 13:27

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW181S-20210323

Tgt Ion:149 Resp: 3984  
 Ion Ratio Lower Upper  
 149 100  
 167 27.2 21.4 32.2  
 279 4.7 3.5 5.3



#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.469 min Scan# 2542  
 Delta R.T. 0.003 min  
 Lab File: BN014142.D  
 Acq: 31 Mar 2021 13:27

Tgt Ion:264 Resp: 21153  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.8 29.8  
 265 33.8 30.7 46.1

