

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN010721\  
 Data File : BN013357.D  
 Acq On : 07 Jan 2021 19:31  
 Operator : CG/JU  
 Sample : M1037-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GWBR2-63-68-010621-FD

Quant Time: Jan 08 02:22:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN010721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 07 16:27:07 2021  
 Response via : Initial Calibration

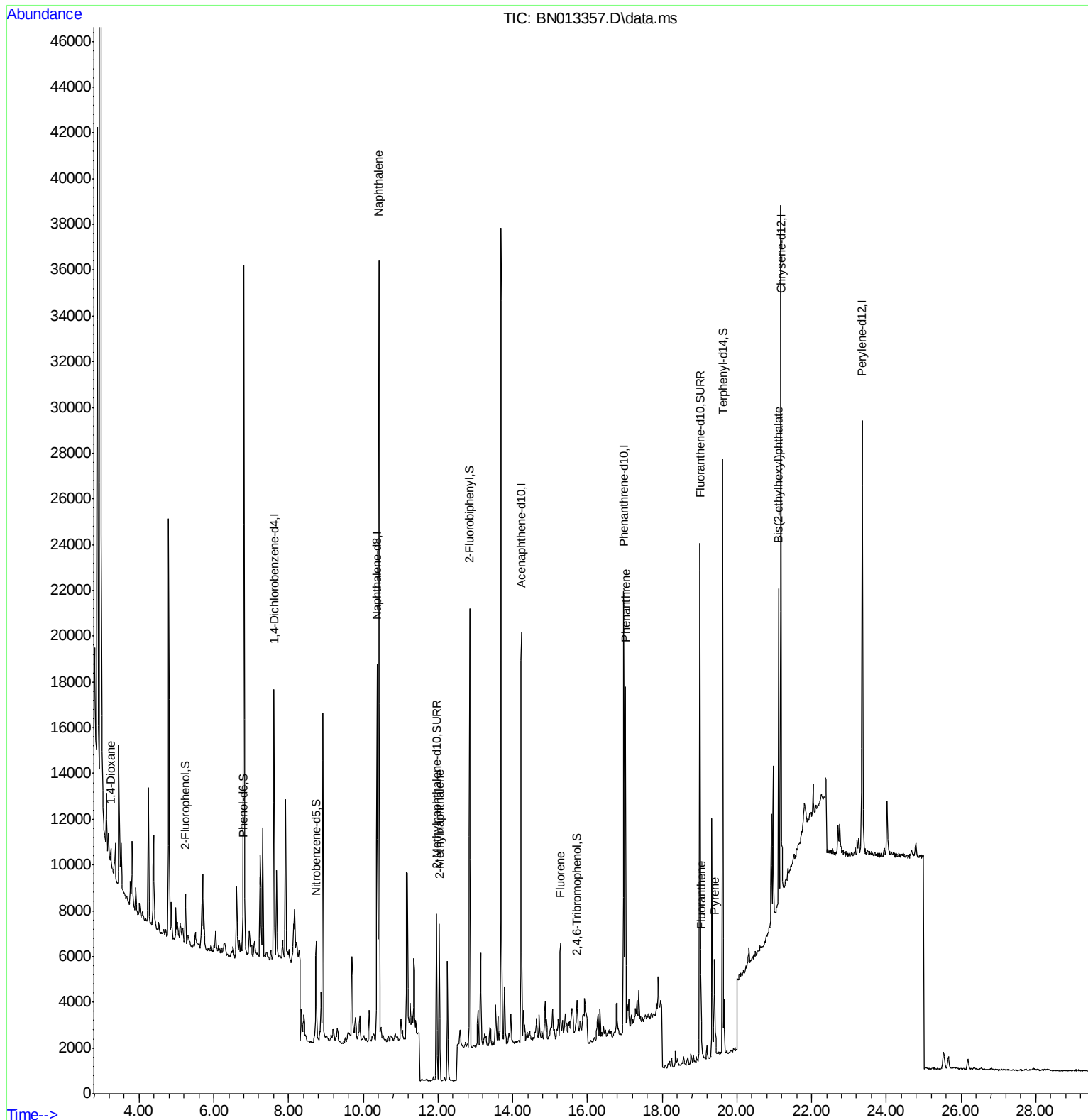
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.604  | 152  | 5310     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.366 | 136  | 20637    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.232 | 164  | 11580    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.970 | 188  | 25048    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.173 | 240  | 26779    | 0.40 | ng    | 0.00     |
| 36) Perylene-d12              | 23.356 | 264  | 24769    | 0.40 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.236  | 112  | 1612     | 0.10 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.782  | 99   | 1651     | 0.08 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.743  | 82   | 3615     | 0.26 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.960 | 152  | 9478     | 0.26 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.717 | 330  | 941      | 0.19 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.849 | 172  | 13040    | 0.26 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.012 | 212  | 26411    | 0.33 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.623 | 244  | 25508    | 0.37 | ng    | 0.00     |
|                               |        |      |          |      |       |          |
| Target Compounds              |        |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.239  | 88   | 416      | 0.06 | ng    | # 37     |
| 9) Naphthalene                | 10.416 | 128  | 43236    | 0.70 | ng    | 100      |
| 12) 2-Methylnaphthalene       | 12.035 | 142  | 4755     | 0.11 | ng    | 99       |
| 18) Fluorene                  | 15.285 | 166  | 2759     | 0.05 | ng    | # 94     |
| 25) Phenanthrene              | 17.018 | 178  | 17854    | 0.21 | ng    | 99       |
| 28) Fluoranthene              | 19.042 | 202  | 3159     | 0.03 | ng    | # 95     |
| 30) Pyrene                    | 19.404 | 202  | 3758     | 0.04 | ng    | # 92     |
| 34) Bis(2-ethylhexyl)phtha... | 21.120 | 149  | 11318    | 0.39 | ng    | 100      |
| -----                         |        |      |          |      |       |          |

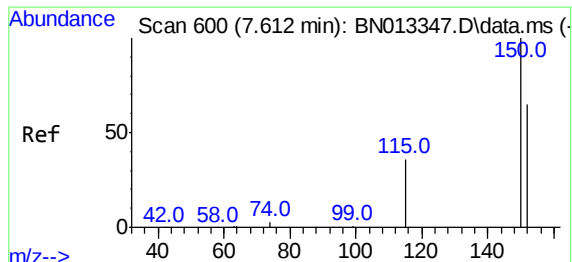
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN010721\  
Data File : BN013357.D  
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Sample : M1037-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

Quant Time: Jan 08 02:22:07 2021  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 07 16:27:07 2021  
Response via : Initial Calibration

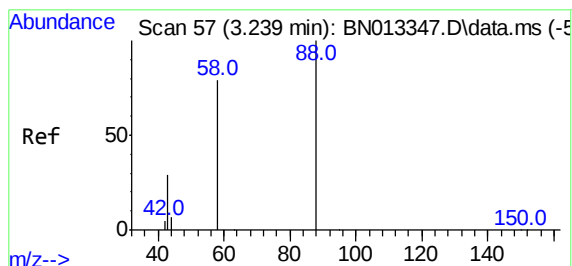
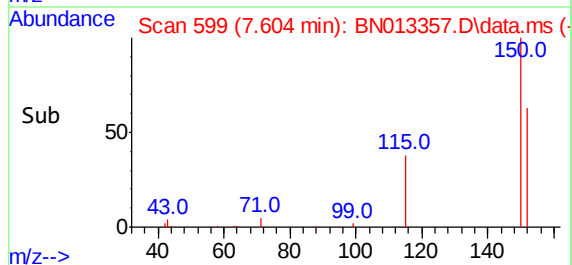
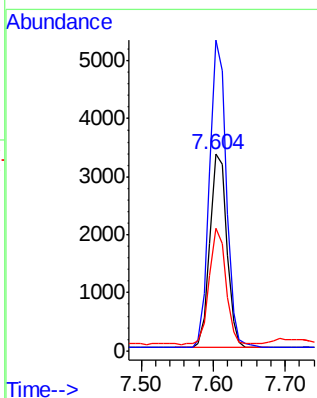
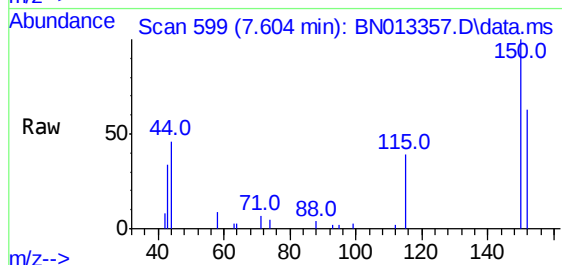




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.604 min Scan# 599  
Delta R.T. -0.008 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

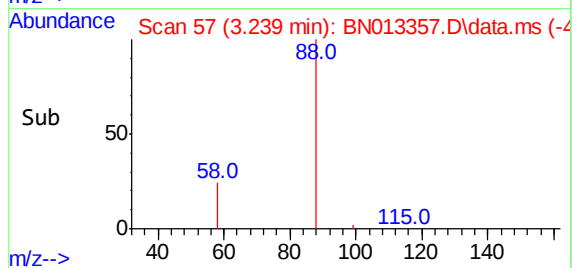
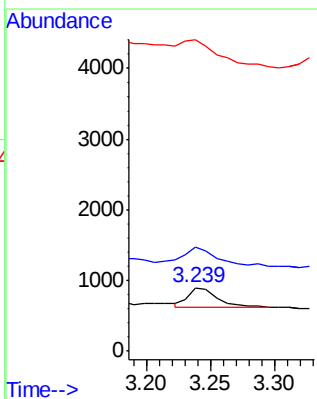
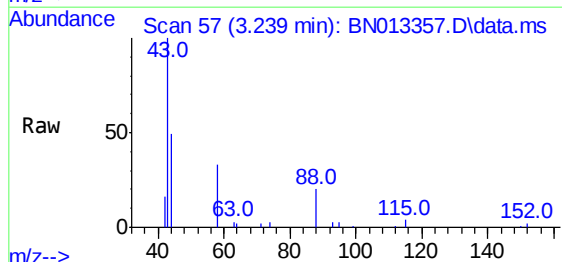
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

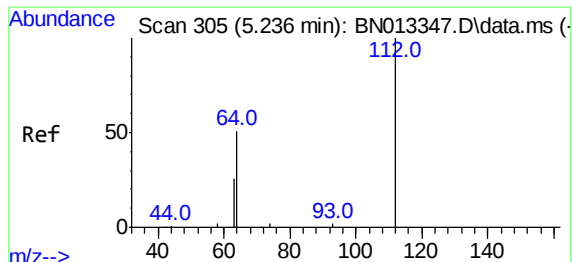
Tgt Ion:152 Resp: 5310  
Ion Ratio Lower Upper  
152 100  
150 158.1 121.8 182.8  
115 62.2 46.6 69.8



#2  
1,4-Dioxane  
Concen: 0.06 ng  
RT: 3.239 min Scan# 57  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion: 88 Resp: 416  
Ion Ratio Lower Upper  
88 100  
58 138.7 64.6 96.8#  
43 0.0 26.6 40.0#

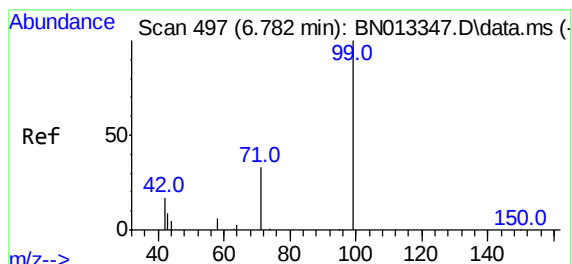
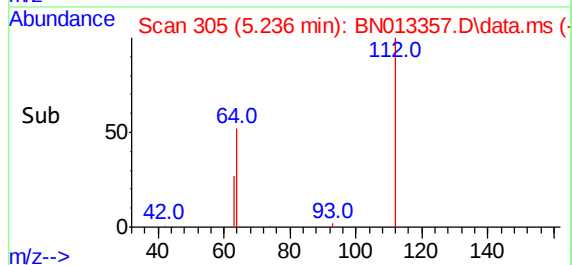
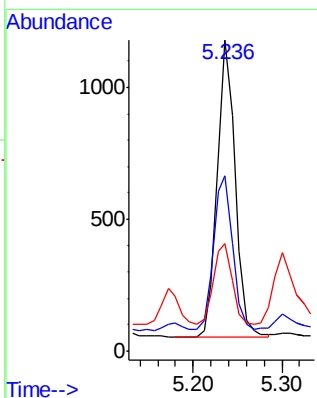
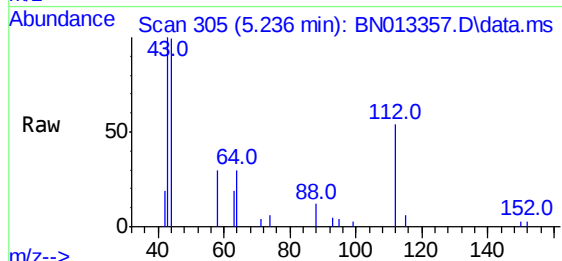




#4  
2-Fluorophenol  
Concen: 0.10 ng  
RT: 5.236 min Scan# 305  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

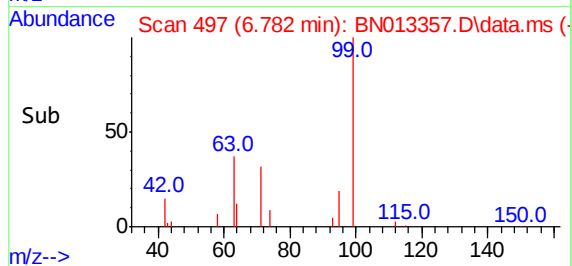
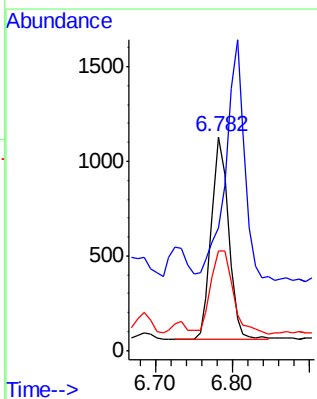
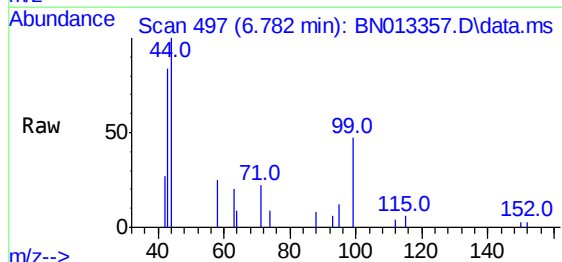
Instrument :  
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GWBR2-63-68-010621-FD

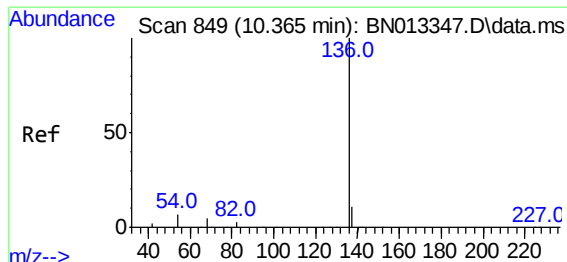
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 1612  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 54.6  | 44.3  | 66.5  |
| 63       | 28.4  | 23.0  | 34.6  |



#5  
Phenol-d6  
Concen: 0.08 ng  
RT: 6.782 min Scan# 497  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1651  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 15.2  | 22.8# |
| 71       | 52.6  | 26.1  | 39.1# |

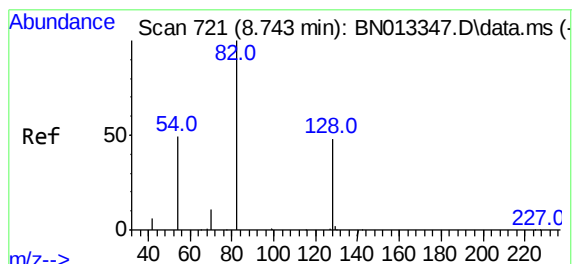
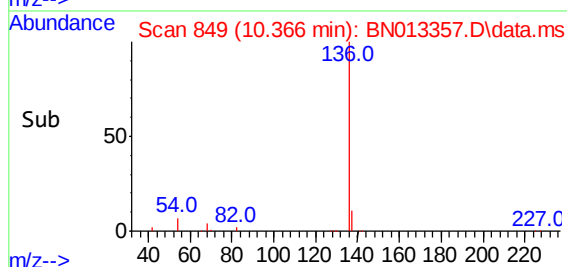
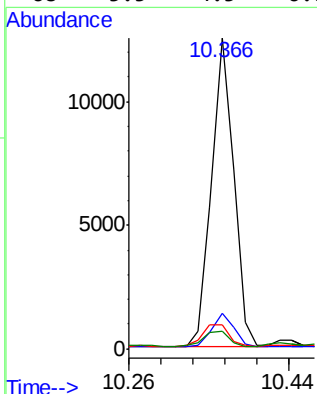
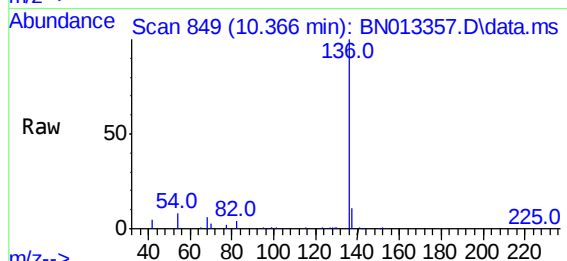




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.366 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

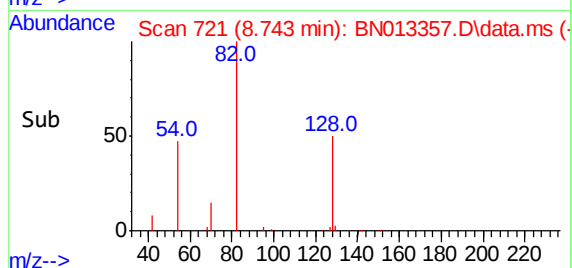
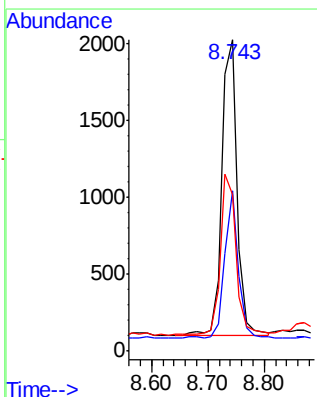
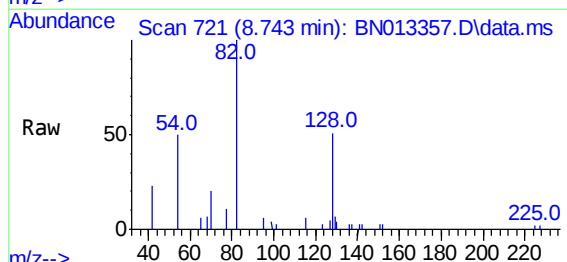
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

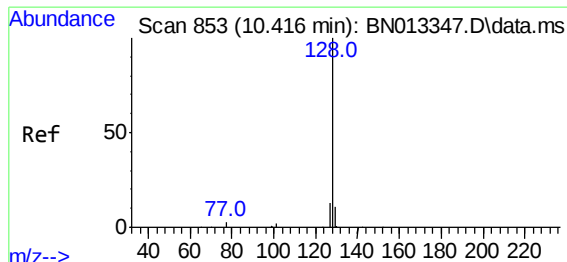
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 20637 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.3  | 9.0   | 13.6  |
| 54       | 7.7   | 6.4   | 9.6   |
| 68       | 5.5   | 4.5   | 6.7   |



#8  
Nitrobenzene-d5  
Concen: 0.26 ng  
RT: 8.743 min Scan# 721  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3615  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 51.2  | 39.2  | 58.8  |
| 54       | 50.2  | 40.1  | 60.1  |





#9

Naphthalene

Concen: 0.70 ng

RT: 10.416 min Scan# 853

Delta R.T. 0.000 min

Lab File: BN013357.D

Acq: 07 Jan 2021 19:31

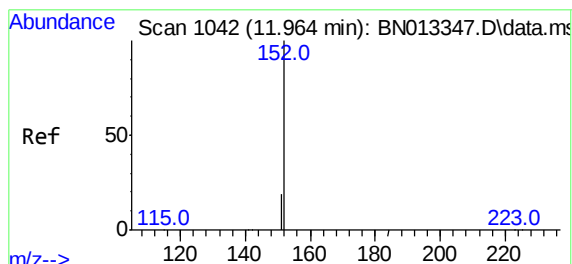
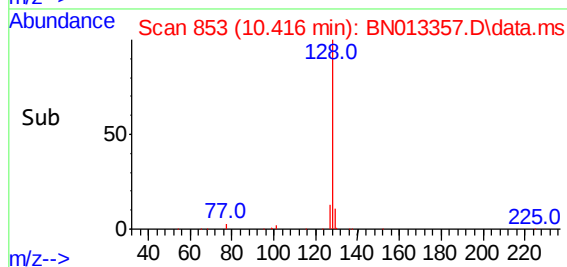
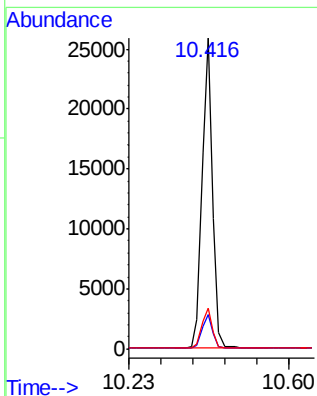
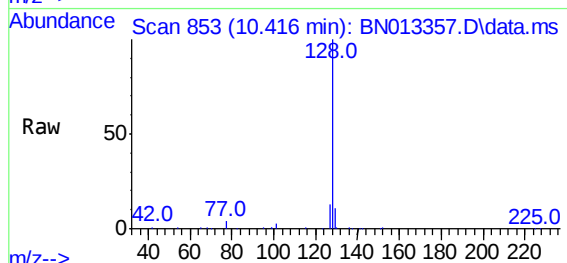
Tgt Ion:128 Resp: 43236

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 13.0 10.4 15.6



#11

2-Methylnaphthalene-d10

Concen: 0.26 ng

RT: 11.960 min Scan# 1041

Delta R.T. -0.004 min

Lab File: BN013357.D

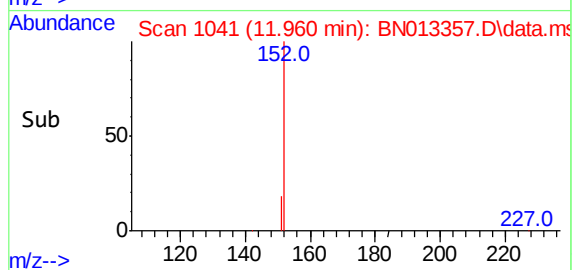
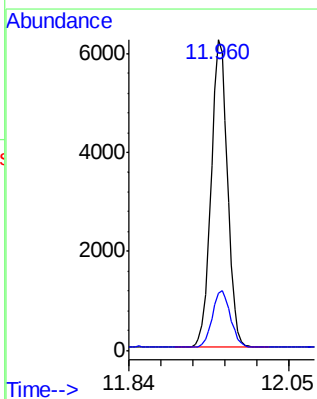
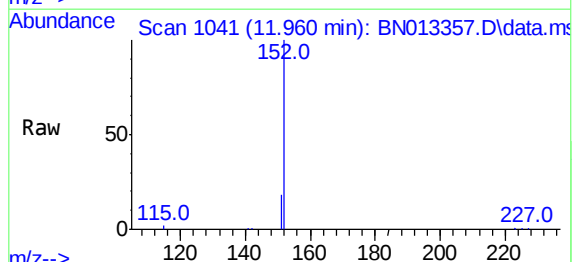
Acq: 07 Jan 2021 19:31

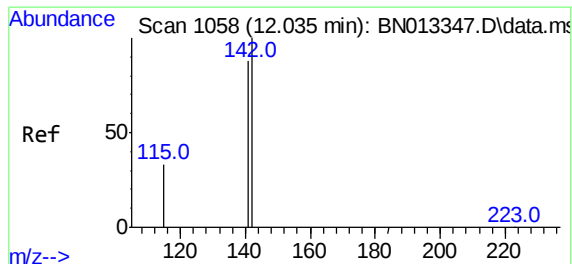
Tgt Ion:152 Resp: 9478

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.2

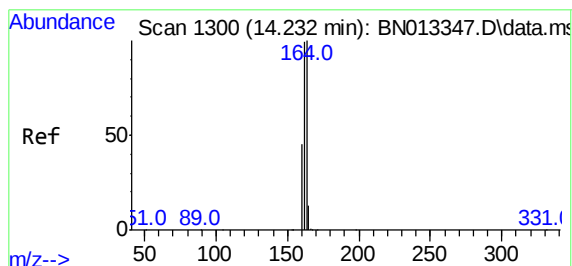
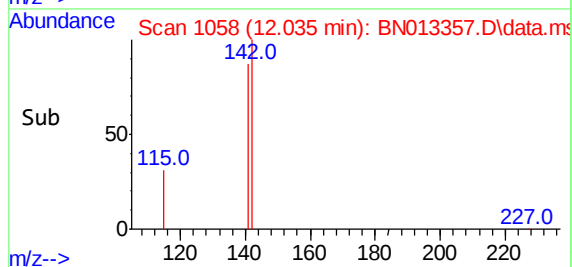
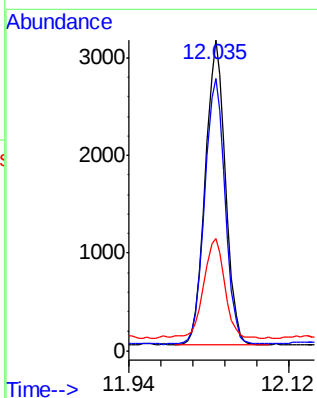
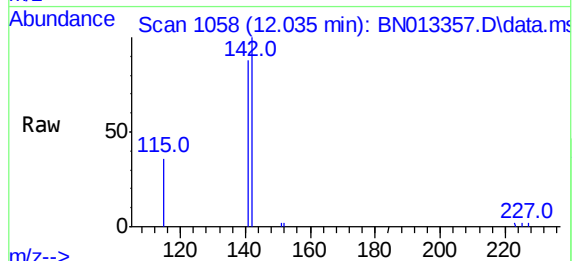




#12  
2-Methylnaphthalene  
Concen: 0.11 ng  
RT: 12.035 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

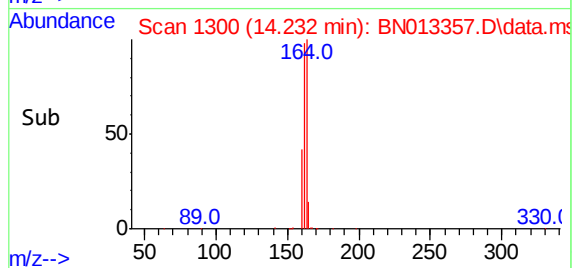
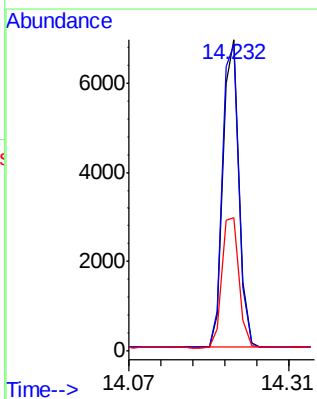
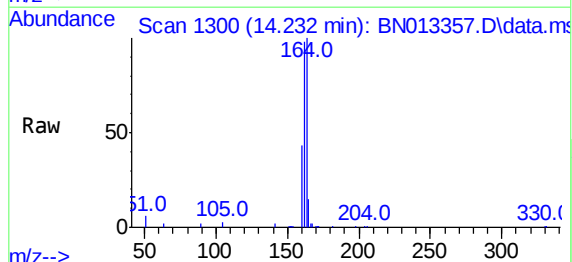
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

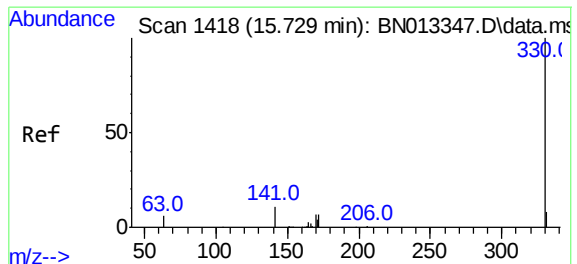
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|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 4755  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 87.6  | 70.5  | 105.7 |
| 115      | 36.3  | 27.4  | 41.0  |



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.232 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 11580 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 98.3  | 79.6  | 119.4 |
| 160      | 42.9  | 36.0  | 54.0  |

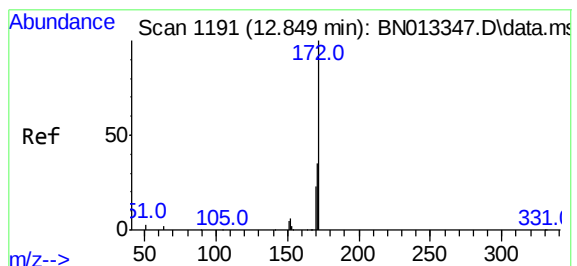
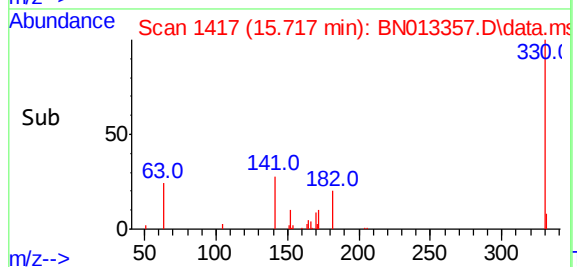
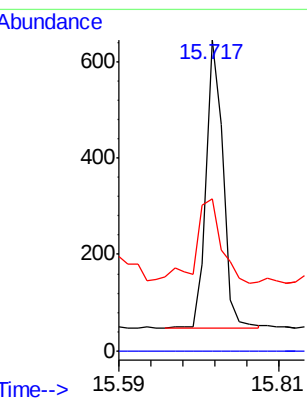
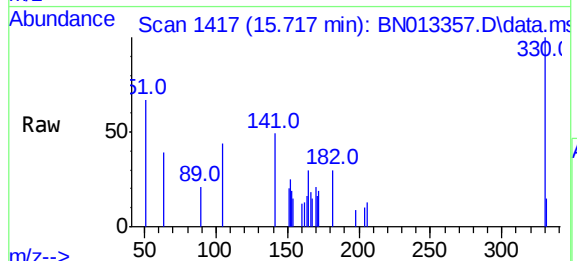




#14  
2,4,6-Tribromophenol  
Concen: 0.19 ng  
RT: 15.717 min Scan# 1417  
Delta R.T. -0.013 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

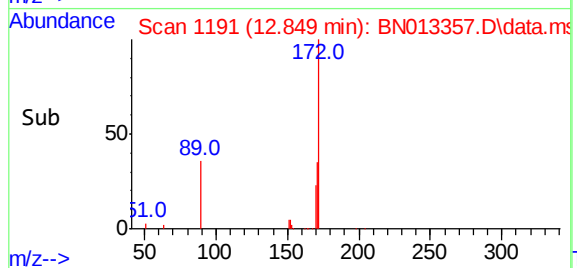
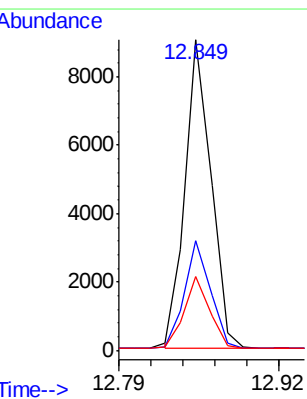
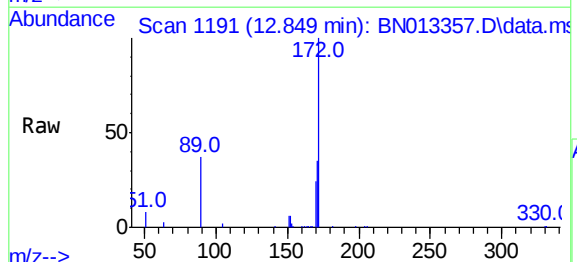
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

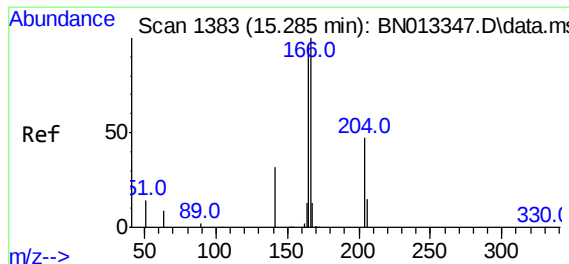
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 941   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 0.0   | 0.0   | 0.0   |
| 141       | 44.2  | 26.8  | 40.2# |



#15  
2-Fluorobiphenyl  
Concen: 0.26 ng  
RT: 12.849 min Scan# 1191  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 172   | Resp: | 13040 |
| Ion Ratio | Lower | Upper |       |
| 172       | 100   |       |       |
| 171       | 35.3  | 28.6  | 42.8  |
| 170       | 23.7  | 18.9  | 28.3  |

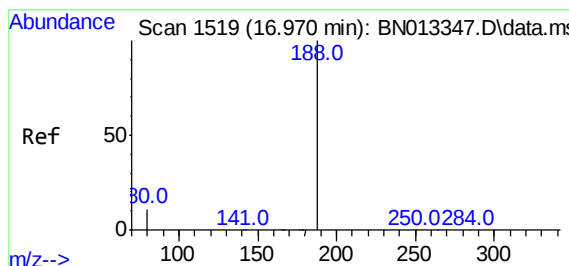
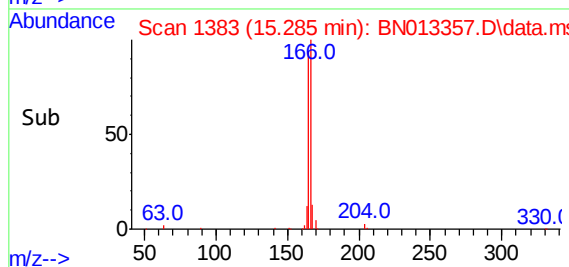
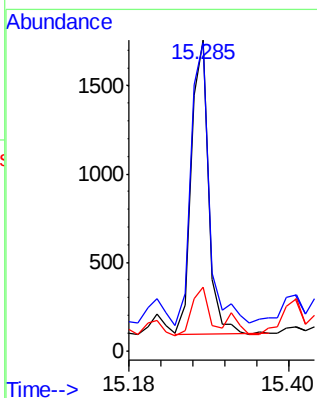
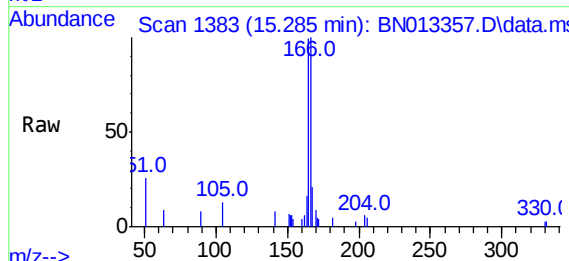




#18  
Fluorene  
Concen: 0.05 ng  
RT: 15.285 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

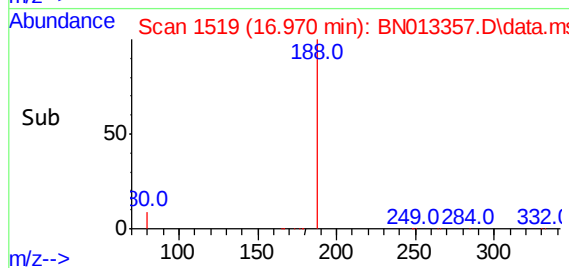
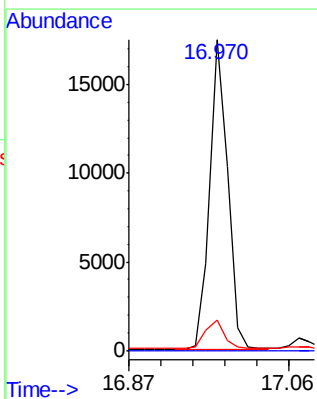
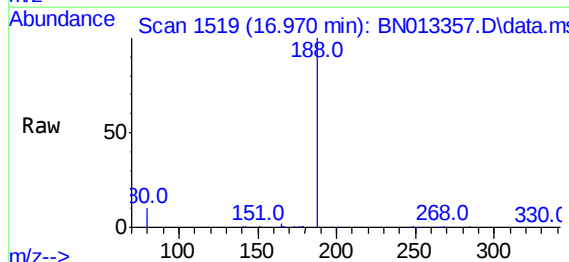
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

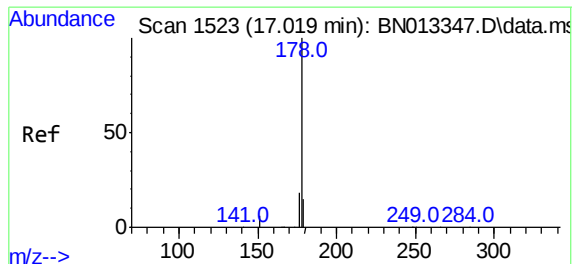
Tgt Ion:166 Resp: 2759  
Ion Ratio Lower Upper  
166 100  
165 102.6 77.8 116.8  
167 17.2 10.6 16.0#



#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 16.970 min Scan# 1519  
Delta R.T. -0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion:188 Resp: 25048  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.8 9.0 13.6



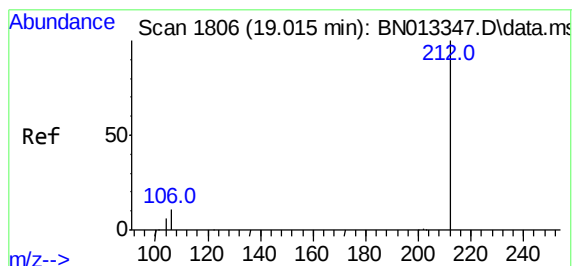
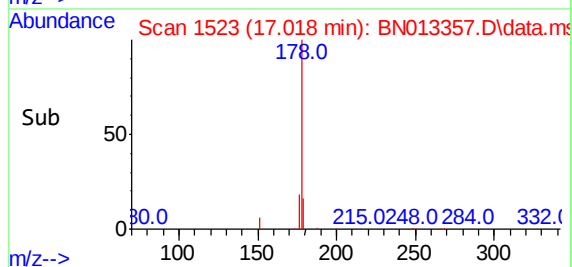
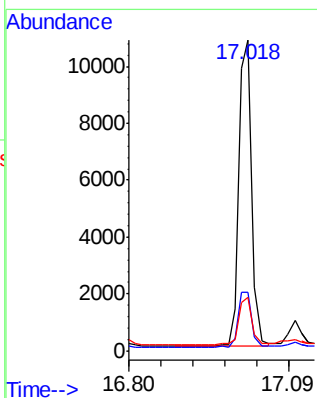
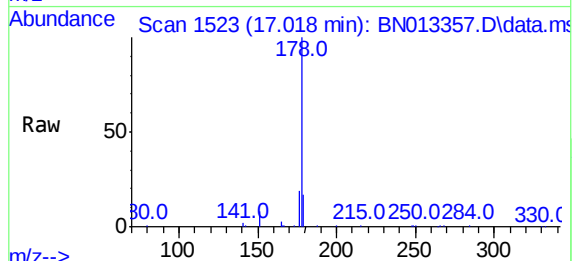


#25  
Phenanthrene  
Concen: 0.21 ng  
RT: 17.018 min Scan# 1523  
Delta R.T. -0.000 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

Tgt Ion:178 Resp: 17854

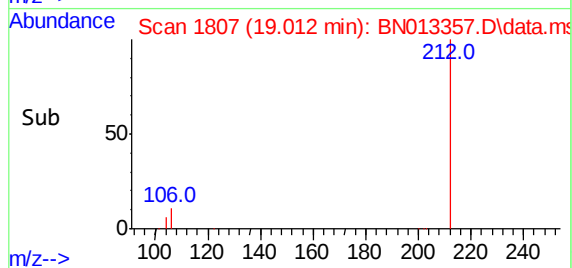
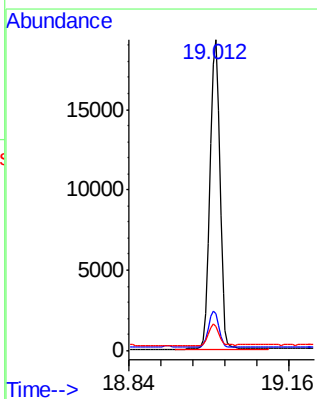
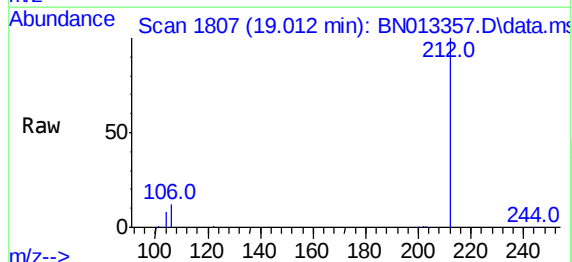
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.0  | 15.0  | 22.4  |
| 179 | 16.4  | 12.3  | 18.5  |

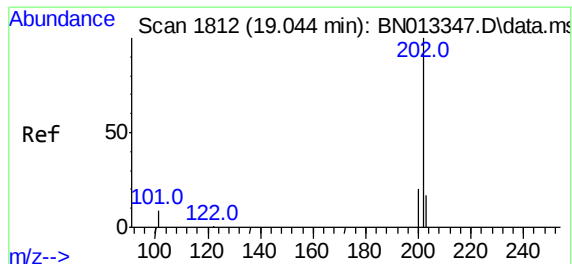


#27  
Fluoranthene-d10  
Concen: 0.33 ng  
RT: 19.012 min Scan# 1807  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion:212 Resp: 26411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 212 | 100   |       |       |
| 106 | 12.4  | 9.7   | 14.5  |
| 104 | 6.7   | 5.5   | 8.3   |

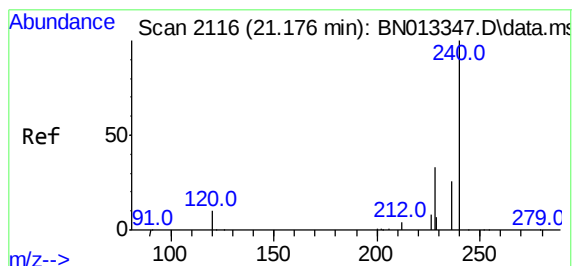
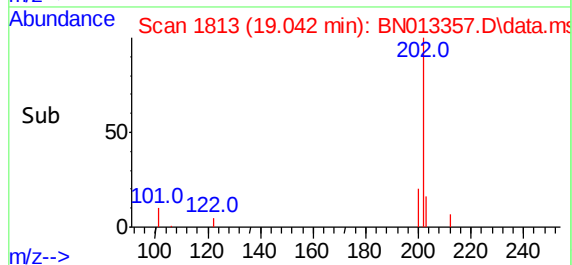
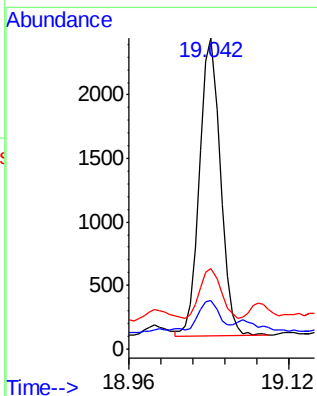
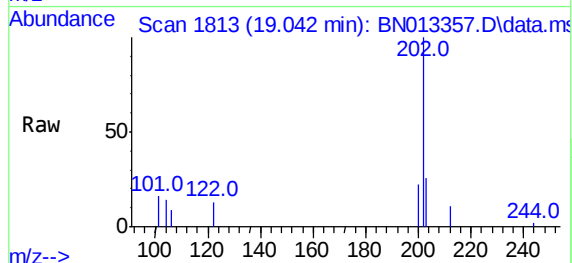




#28  
Fluoranthene  
Concen: 0.03 ng  
RT: 19.042 min Scan# 1813  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

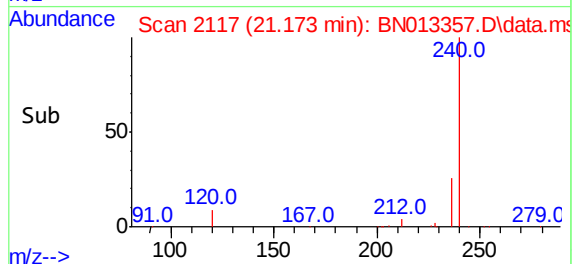
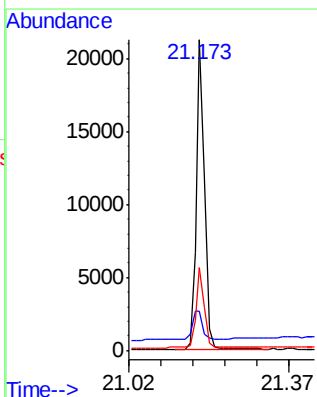
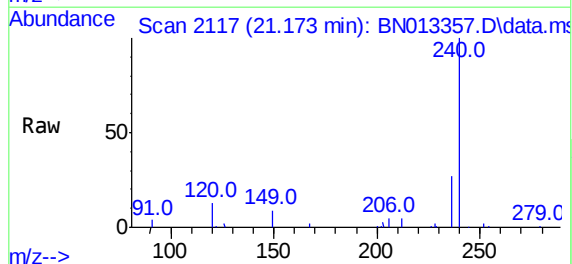
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

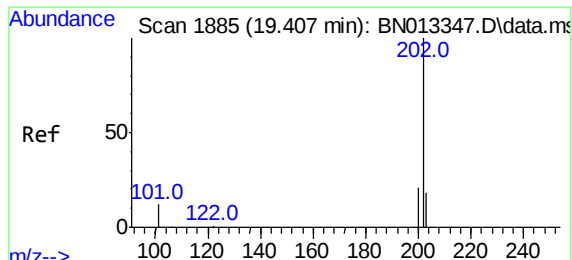
Tgt Ion:202 Resp: 3159  
Ion Ratio Lower Upper  
202 100  
101 14.0 8.1 12.1#  
203 16.6 13.9 20.9



#29  
Chrysene-d12  
Concen: 0.40 ng  
RT: 21.173 min Scan# 2117  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion:240 Resp: 26779  
Ion Ratio Lower Upper  
240 100  
120 12.8 10.2 15.4  
236 26.7 21.3 31.9

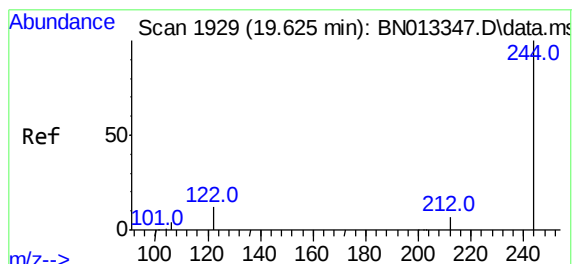
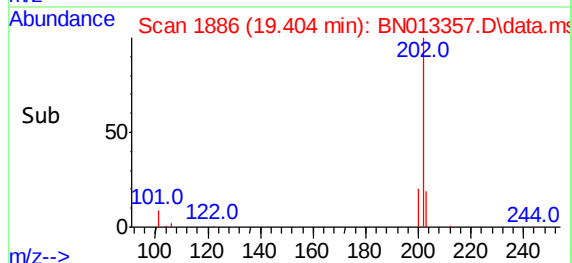
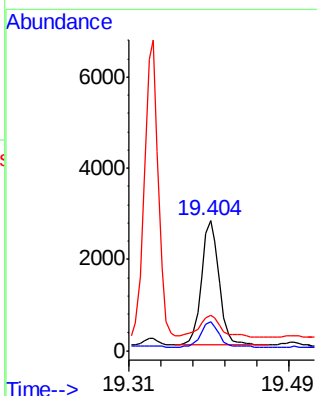
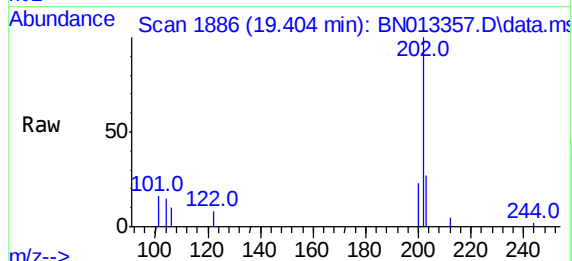




#30  
Pyrene  
Concen: 0.04 ng  
RT: 19.404 min Scan# 1886  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

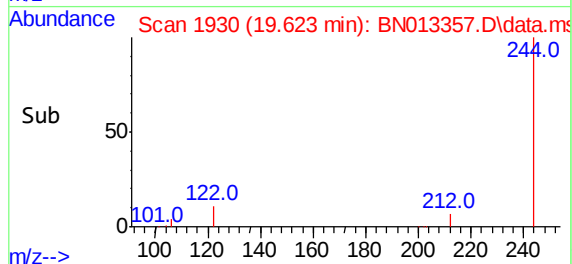
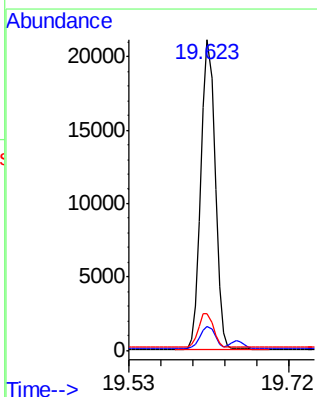
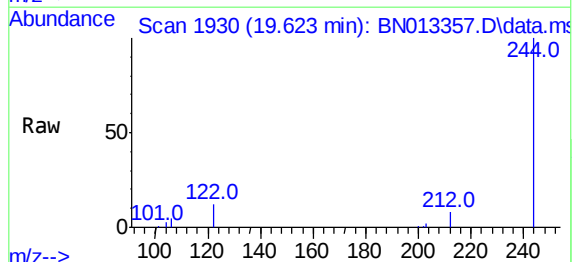
Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

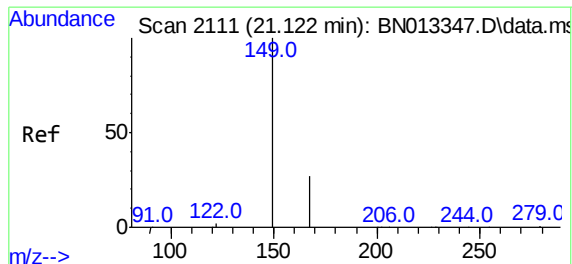
Tgt Ion:202 Resp: 3758  
Ion Ratio Lower Upper  
202 100  
200 22.4 16.3 24.5  
203 23.1 14.0 21.0#



#31  
Terphenyl-d14  
Concen: 0.37 ng  
RT: 19.623 min Scan# 1930  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion:244 Resp: 25508  
Ion Ratio Lower Upper  
244 100  
212 7.8 6.1 9.1  
122 12.0 9.8 14.8

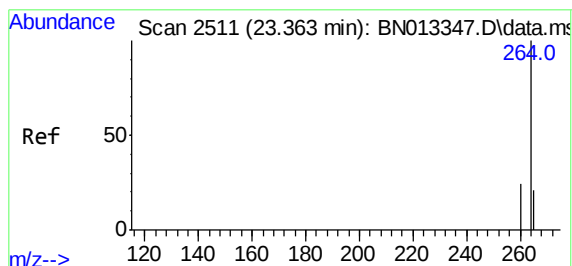
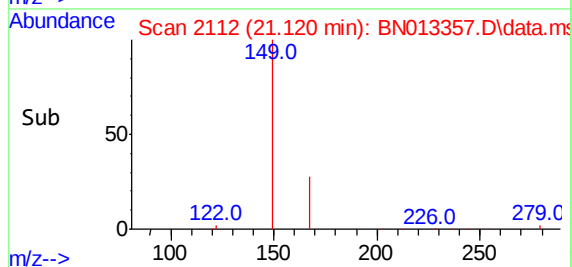
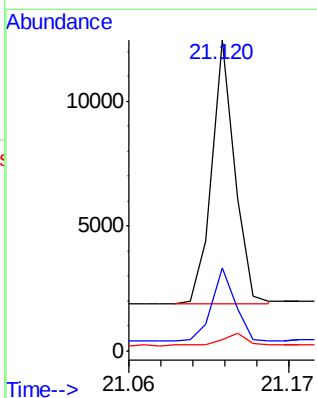
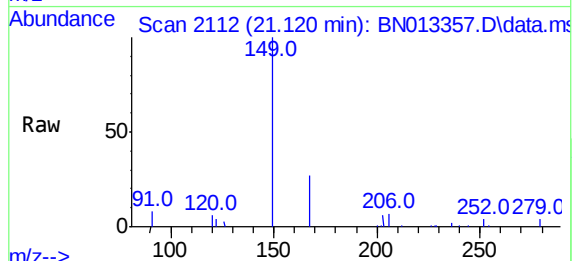




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.39 ng  
RT: 21.120 min Scan# 2112  
Delta R.T. -0.003 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Instrument :  
BNA\_N  
ClientSampleId :  
GWBR2-63-68-010621-FD

Tgt Ion:149 Resp: 11318  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.1 33.1  
279 4.3 3.5 5.3



#36  
Perylene-d12  
Concen: 0.40 ng  
RT: 23.356 min Scan# 2511  
Delta R.T. -0.006 min  
Lab File: BN013357.D  
Acq: 07 Jan 2021 19:31

Tgt Ion:264 Resp: 24769  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.3 28.9  
265 71.7 66.2 99.4

