

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN082521\  
 Data File : BN016047.D  
 Acq On : 25 Aug 2021 01:09  
 Operator : CG/JU  
 Sample : M3520-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-440-442

Quant Time: Aug 25 04:19:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\8270-SIM-BN082521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 14:26:02 2021  
 Response via : Initial Calibration

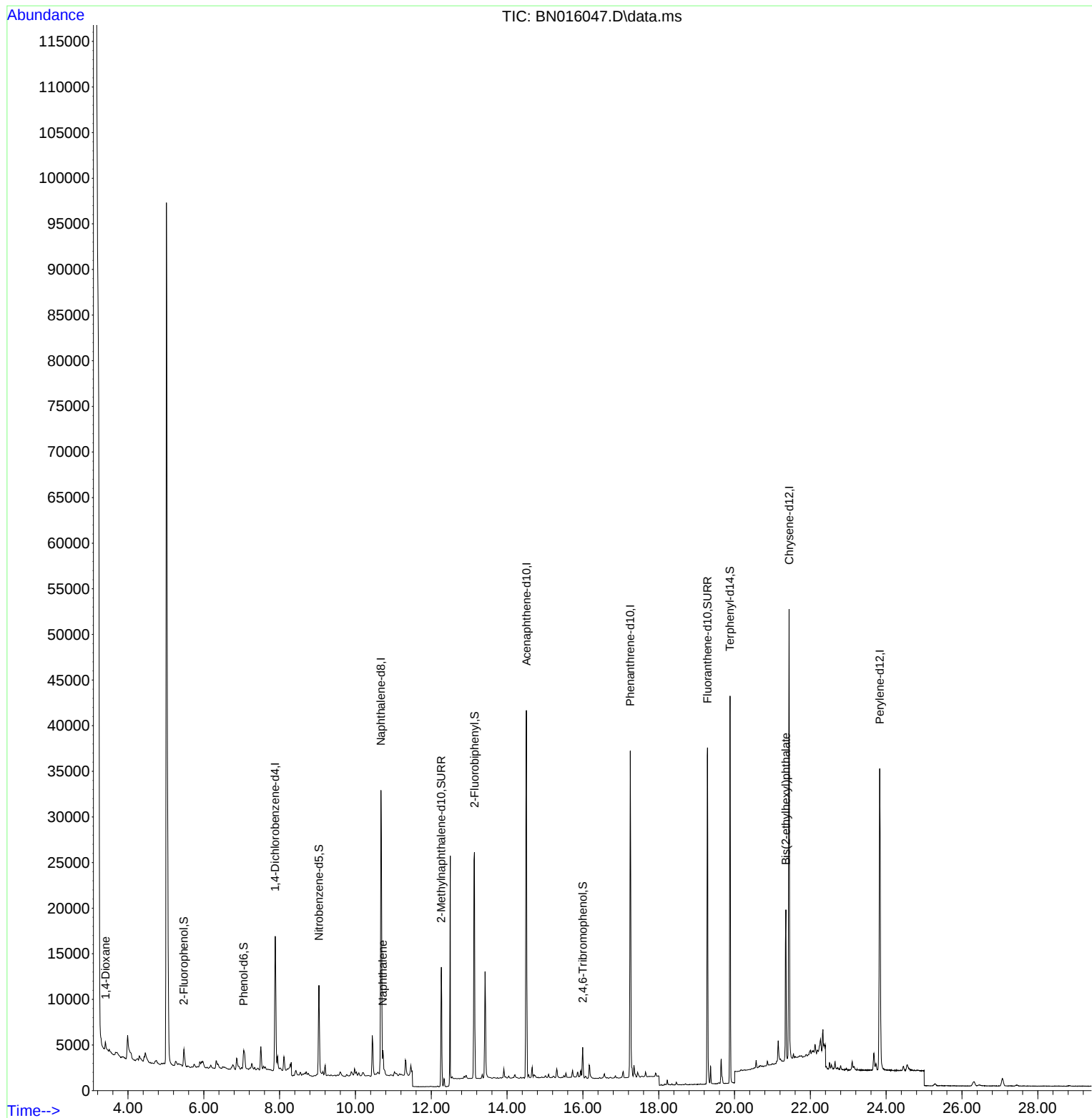
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.882  | 152  | 8348     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.673 | 136  | 45608    | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.510 | 164  | 25388    | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.249 | 188  | 49549    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.440 | 240  | 48977    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.830 | 264  | 48513    | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.476  | 112  | 2192     | 0.110 | ng    | 0.02     |
| 5) Phenol-d6                  | 7.052  | 99   | 1795     | 0.064 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 9.038  | 82   | 8986     | 0.300 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.265 | 152  | 18090    | 0.263 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.994 | 330  | 2572     | 0.357 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.140 | 172  | 25358    | 0.248 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.286 | 212  | 44189    | 0.316 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.882 | 244  | 44428    | 0.370 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.410  | 88   | 623      | 0.136 | ng    | # 92     |
| 9) Naphthalene                | 10.724 | 128  | 3608     | 0.030 | ng    | # 94     |
| 34) Bis(2-ethylhexyl)phtha... | 21.355 | 149  | 17157    | 0.433 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

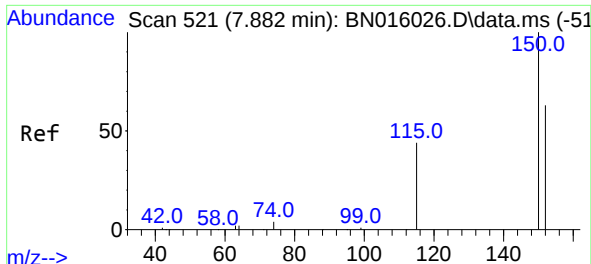
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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BP-TT-VPB-RW7-GW-440-442

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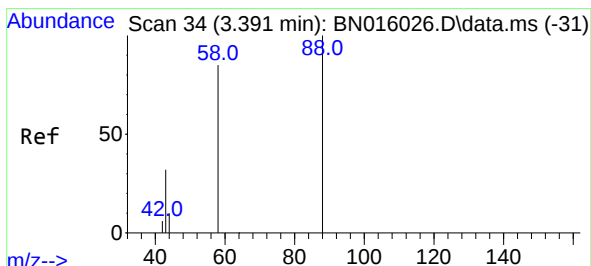
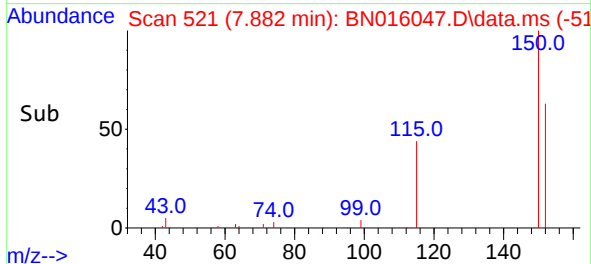
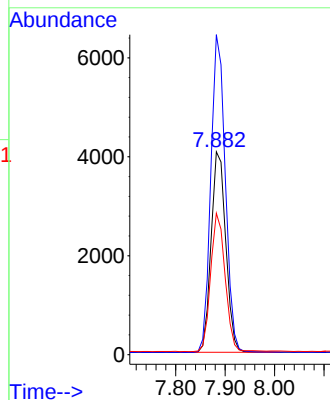
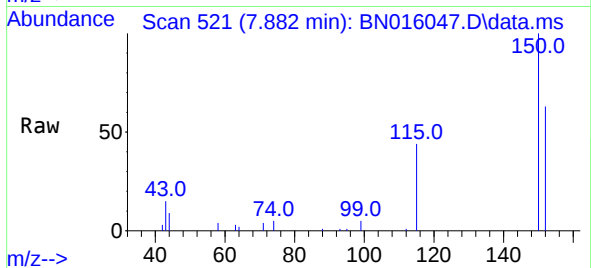


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.882 min Scan# 521  
 Delta R.T. 0.000 min  
 Lab File: BN016047.D  
 Acq: 25 Aug 2021 01:09

Instrument :  
 BNA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-440-442

Tgt Ion: 152 Resp: 8348

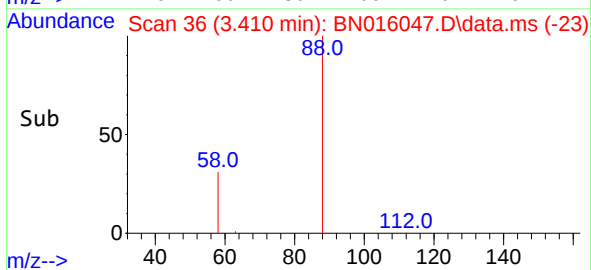
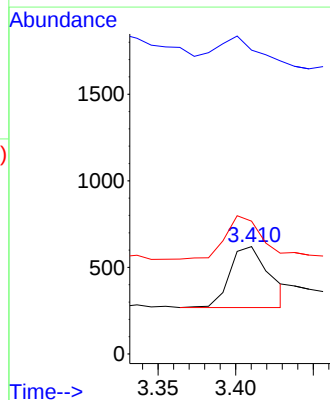
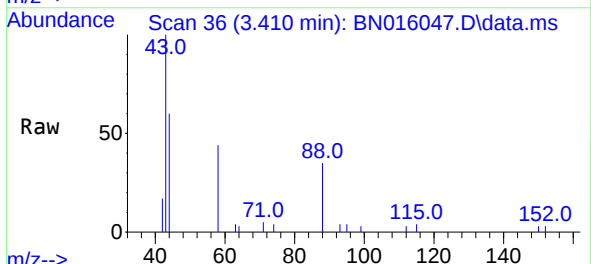
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 157.7 | 126.5 | 189.7 |
| 115 | 69.7  | 56.5  | 84.7  |

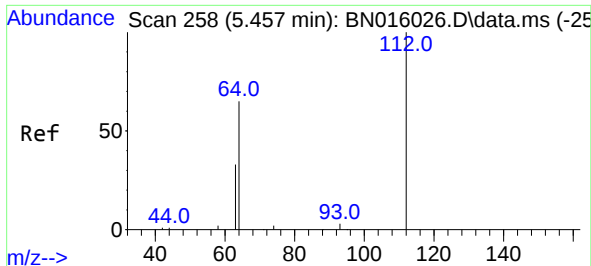


#2  
 1,4-Dioxane  
 Concen: 0.136 ng  
 RT: 3.410 min Scan# 36  
 Delta R.T. 0.019 min  
 Lab File: BN016047.D  
 Acq: 25 Aug 2021 01:09

Tgt Ion: 88 Resp: 623

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 34.3  | 21.0  | 31.4  |
| 58  | 64.5  | 54.8  | 82.2  |



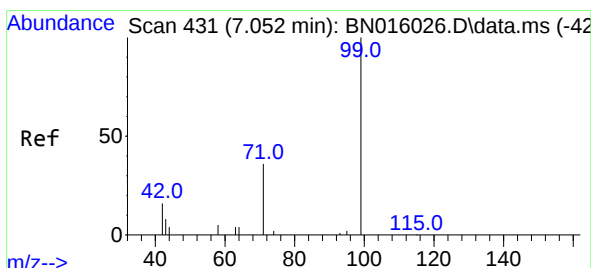
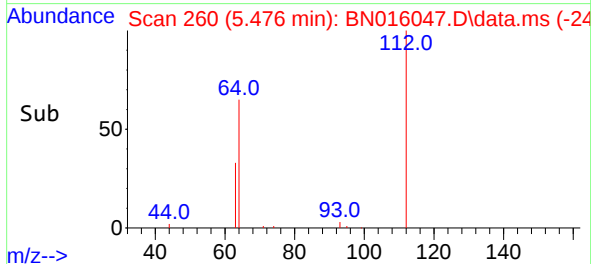
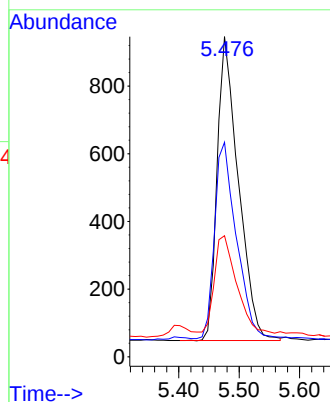
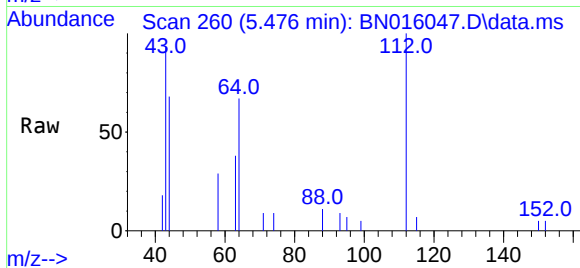


#4  
2-Fluorophenol  
Concen: 0.110 ng  
RT: 5.476 min Scan# 260  
Delta R.T. 0.019 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

Tgt Ion: 112 Resp: 2192

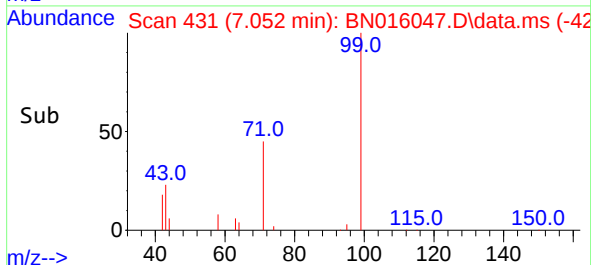
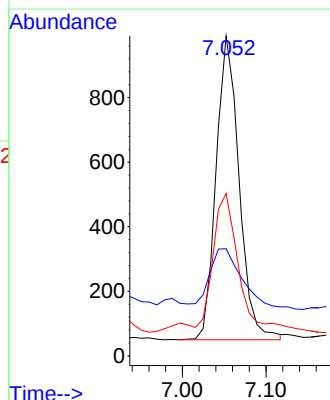
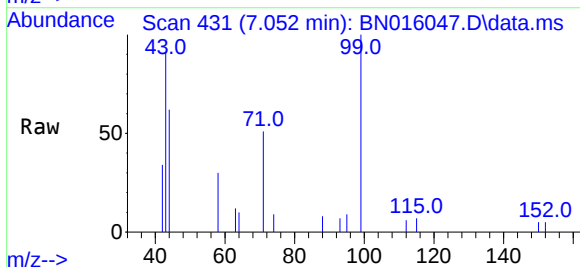
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 66.1  | 52.5  | 78.7  |
| 63  | 33.7  | 26.9  | 40.3  |

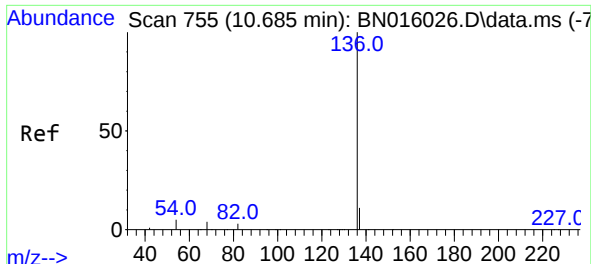


#5  
Phenol-d6  
Concen: 0.064 ng  
RT: 7.052 min Scan# 431  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Tgt Ion: 99 Resp: 1795

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 25.8  | 15.6  | 23.4# |
| 71  | 46.3  | 29.8  | 44.8# |

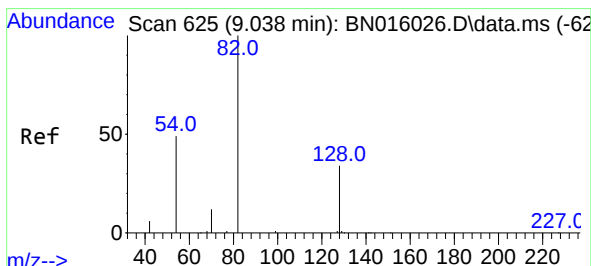
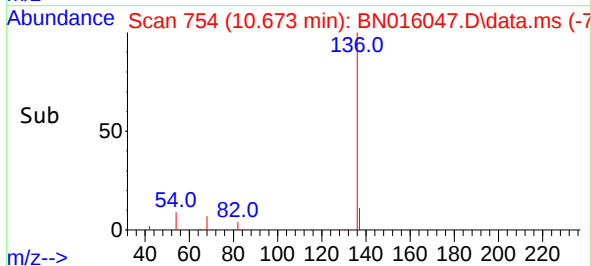
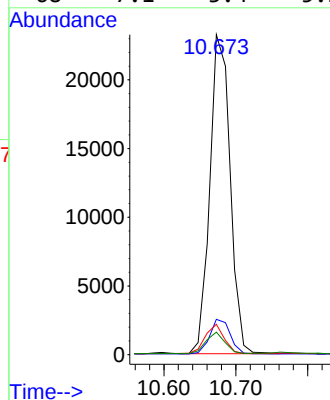
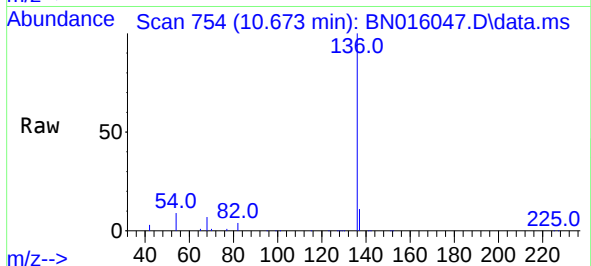




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.673 min Scan# 754  
Delta R.T. -0.012 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

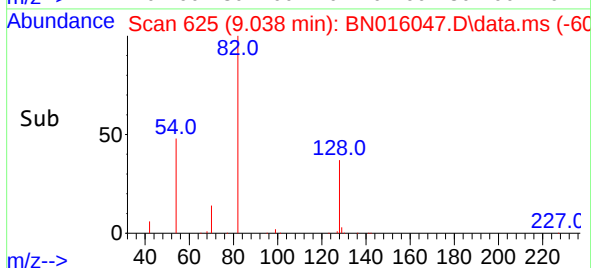
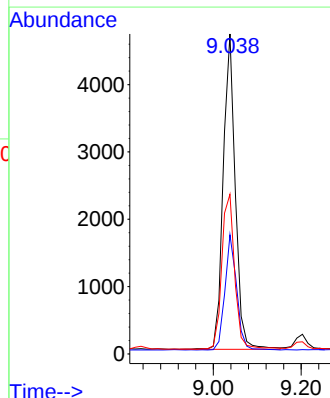
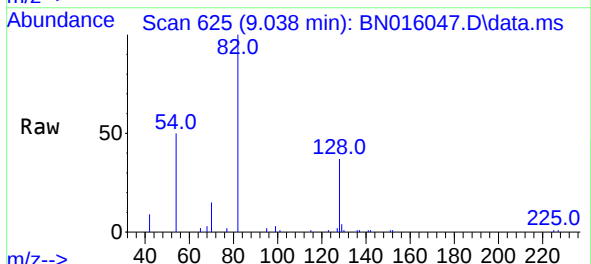
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

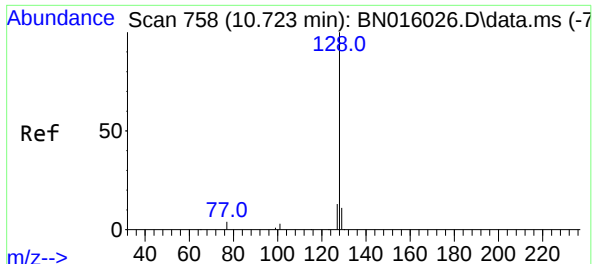
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 45608 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.1  | 8.9   | 13.3  |
| 54       | 9.5   | 4.2   | 6.4#  |
| 68       | 7.1   | 3.4   | 5.2#  |



#8  
Nitrobenzene-d5  
Concen: 0.300 ng  
RT: 9.038 min Scan# 625  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 8986  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.2  | 27.7  | 41.5  |
| 54       | 49.9  | 39.4  | 59.2  |

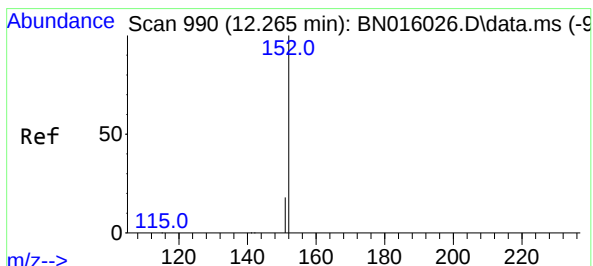
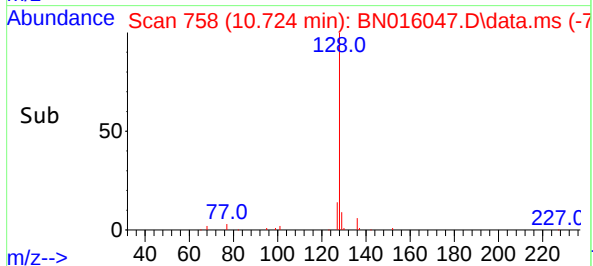
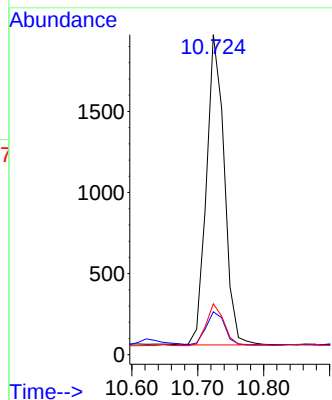
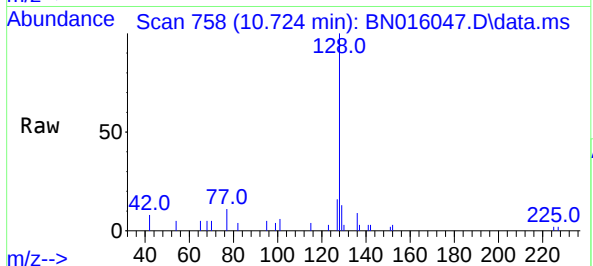




#9  
Naphthalene  
Concen: 0.030 ng  
RT: 10.724 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

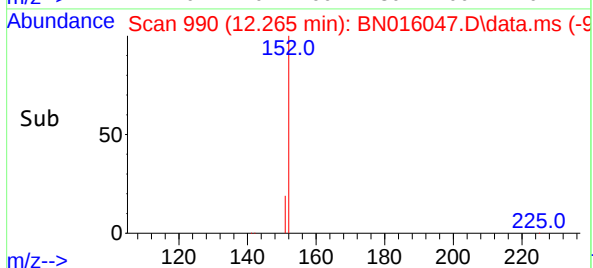
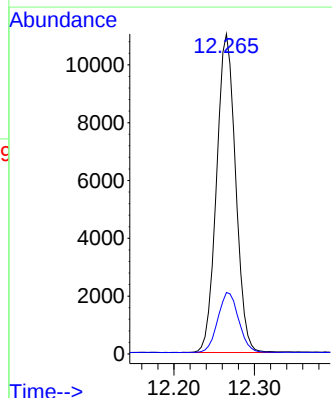
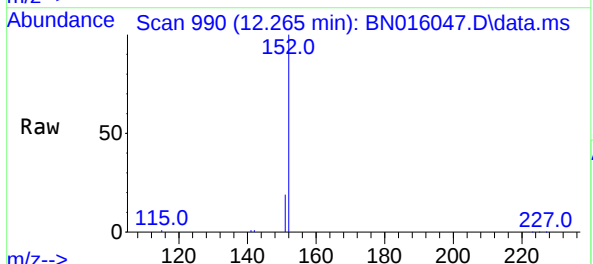
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

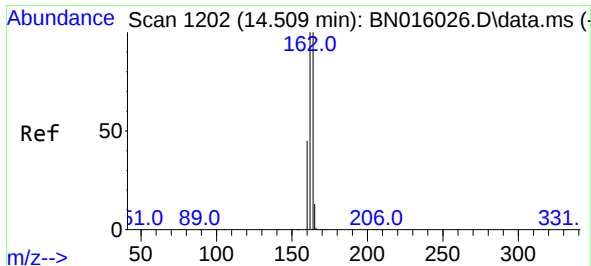
Tgt Ion:128 Resp: 3608  
Ion Ratio Lower Upper  
128 100  
129 13.4 8.9 13.3#  
127 15.9 10.7 16.1



#11  
2-Methylnaphthalene-d10  
Concen: 0.263 ng  
RT: 12.265 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Tgt Ion:152 Resp: 18090  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.6 24.8

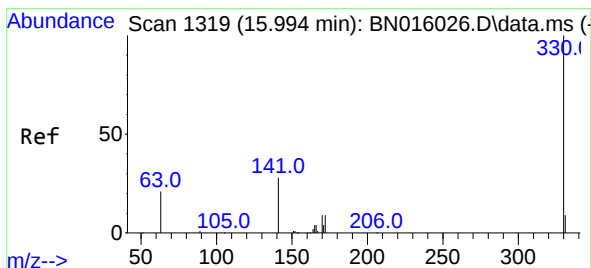
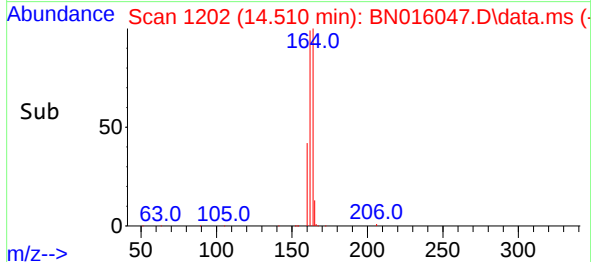
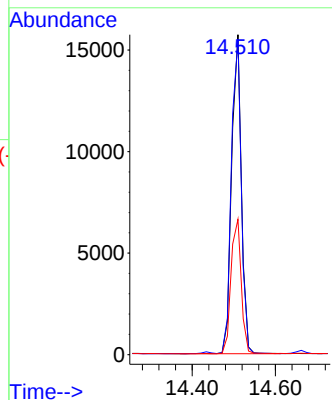
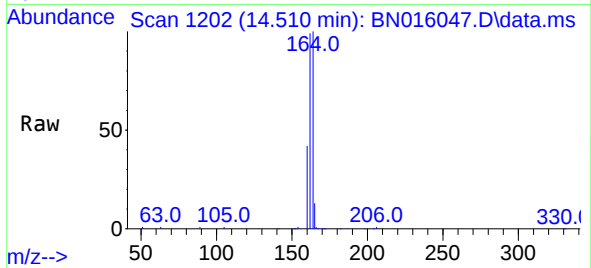




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.510 min Scan# 1202  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

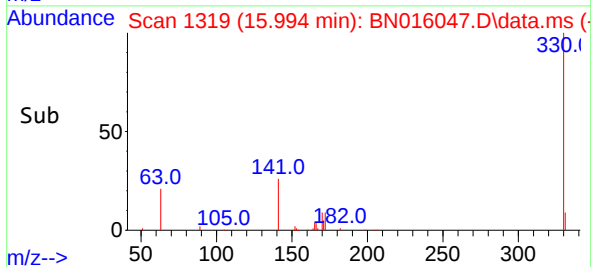
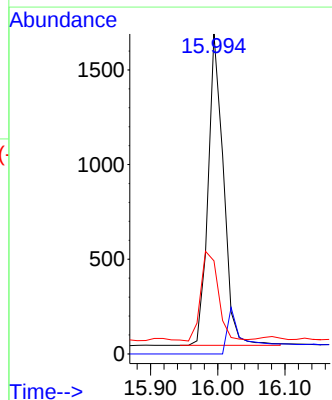
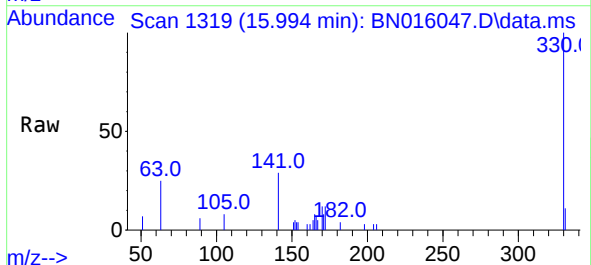
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BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

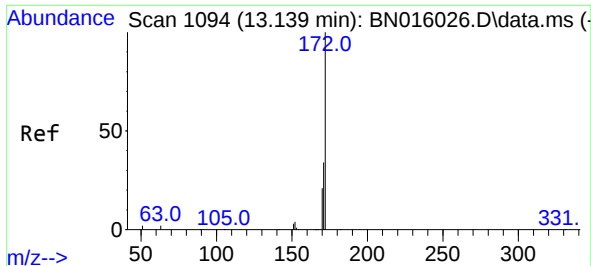
Tgt Ion:164 Resp: 25388  
Ion Ratio Lower Upper  
164 100  
162 98.6 80.2 120.4  
160 42.3 35.9 53.9



#14  
2,4,6-Tribromophenol  
Concen: 0.357 ng  
RT: 15.994 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Tgt Ion:330 Resp: 2572  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 32.2 24.6 36.8

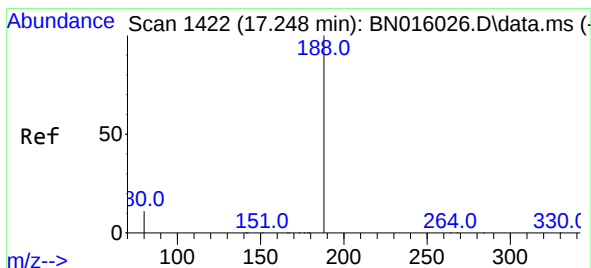
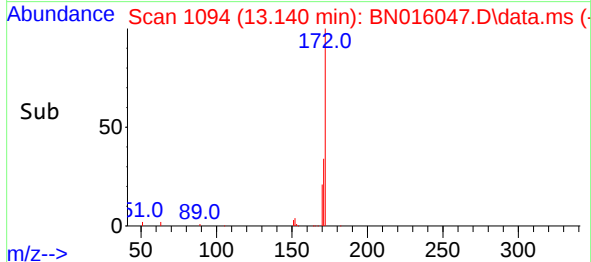
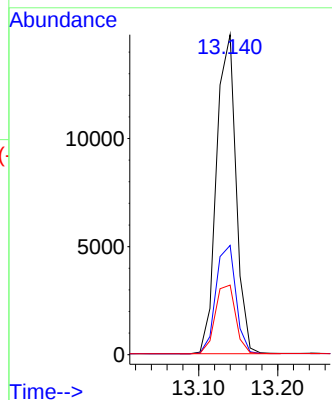
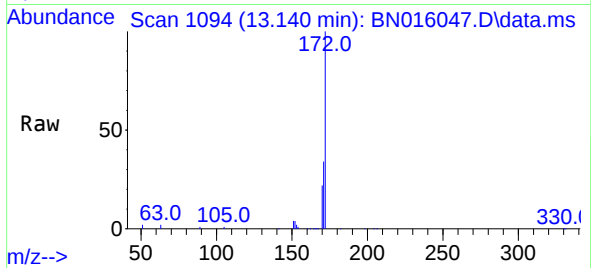




#15  
2-Fluorobiphenyl  
Concen: 0.248 ng  
RT: 13.140 min Scan# 1094  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

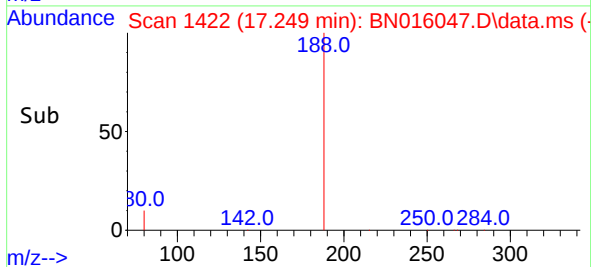
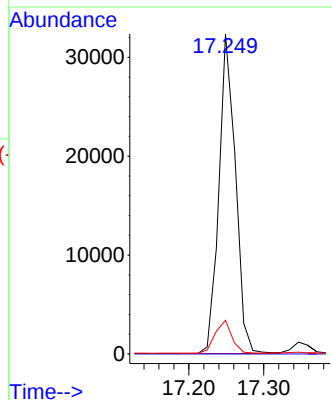
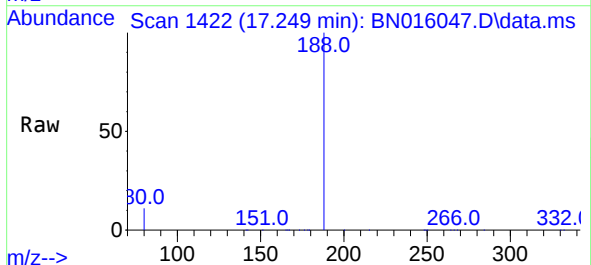
Instrument :  
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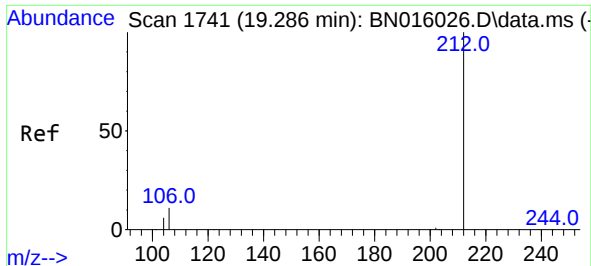
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:172 | Resp: | 25358       |
| Ion         | Ratio | Lower Upper |
| 172         | 100   |             |
| 171         | 34.1  | 27.1 40.7   |
| 170         | 21.7  | 17.3 25.9   |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.249 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:188 | Resp: | 49549       |
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 0.0   | 0.0 0.0     |
| 80          | 10.5  | 9.0 13.6    |

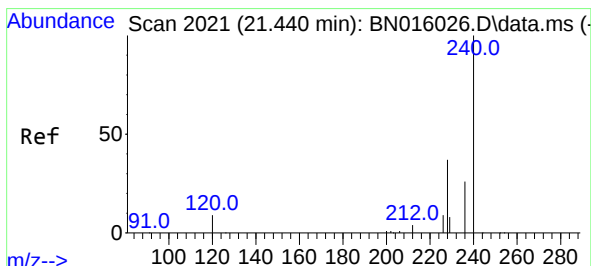
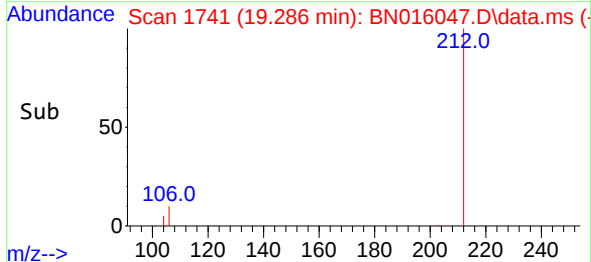
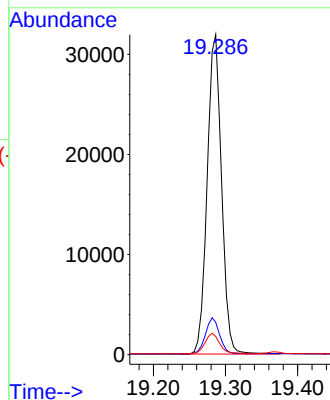
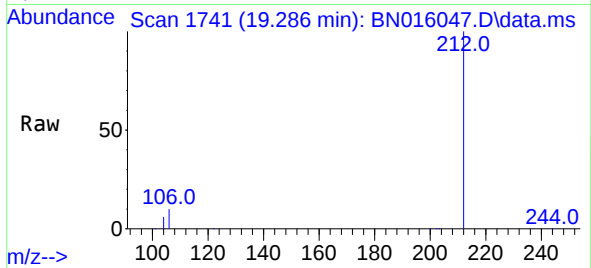




#27  
Fluoranthene-d10  
Concen: 0.316 ng  
RT: 19.286 min Scan# 1741  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

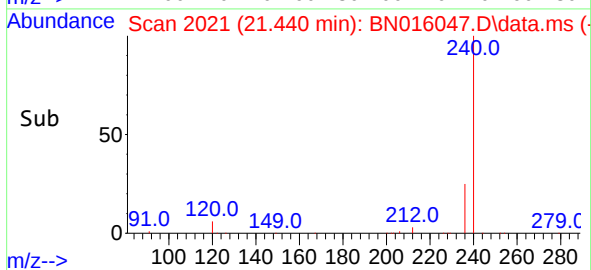
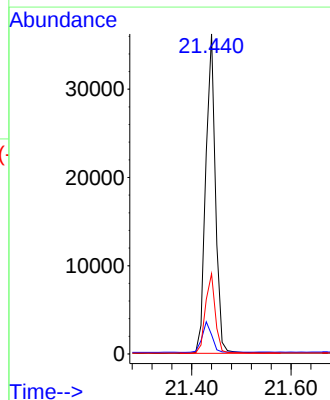
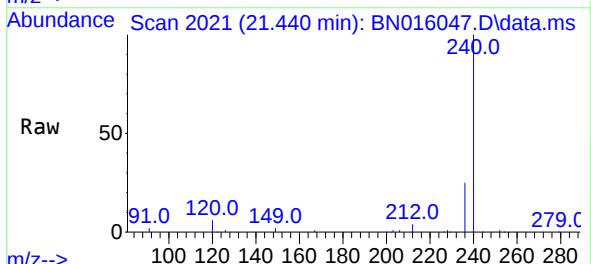
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

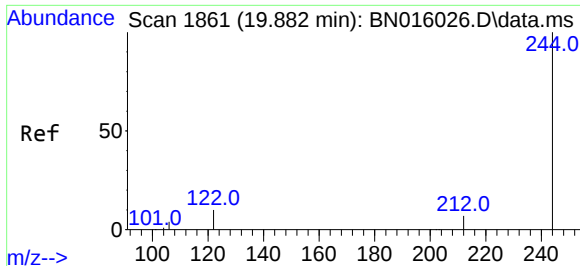
Tgt Ion:212 Resp: 44189  
Ion Ratio Lower Upper  
212 100  
106 11.1 9.4 14.2  
104 6.6 5.4 8.0



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.440 min Scan# 2021  
Delta R.T. -0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Tgt Ion:240 Resp: 48977  
Ion Ratio Lower Upper  
240 100  
120 6.0 7.8 11.6#  
236 25.0 21.0 31.6

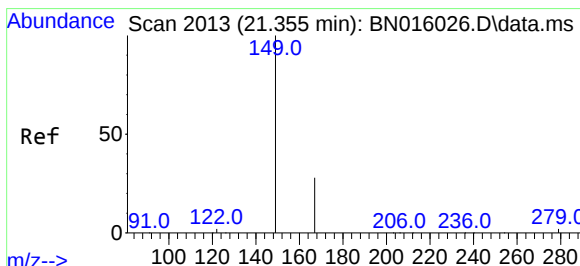
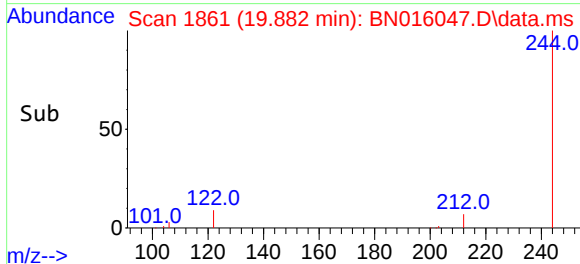
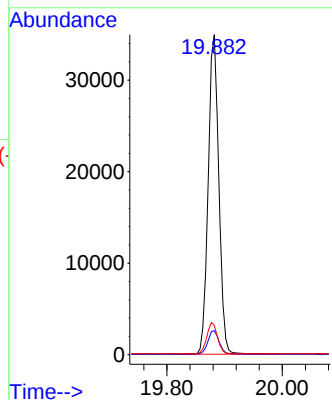
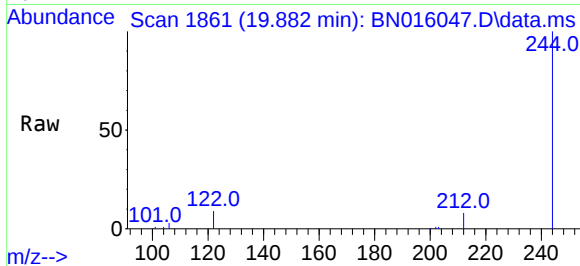




#31  
Terphenyl-d14  
Concen: 0.370 ng  
RT: 19.882 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

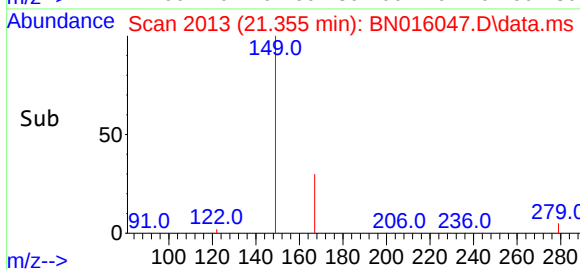
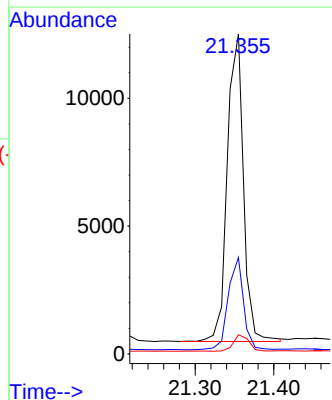
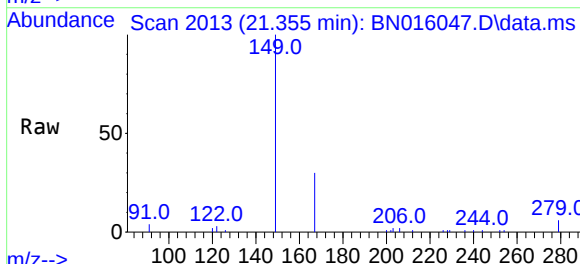
Instrument :  
BNA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-440-442

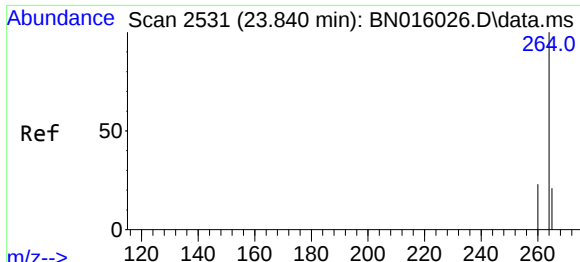
Tgt Ion:244 Resp: 44428  
Ion Ratio Lower Upper  
244 100  
212 7.5 6.0 9.0  
122 9.2 8.5 12.7



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.433 ng  
RT: 21.355 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: BN016047.D  
Acq: 25 Aug 2021 01:09

Tgt Ion:149 Resp: 17157  
Ion Ratio Lower Upper  
149 100  
167 28.4 22.8 34.2  
279 5.1 4.1 6.1





#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.830 min Scan# 2528  
 Delta R.T. -0.010 min  
 Lab File: BN016047.D  
 Acq: 25 Aug 2021 01:09

**Instrument :**  
 BNA\_N  
**ClientSampleId :**  
 BP-TT-VPB-RW7-GW-440-442

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 48513     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.9  | 19.0 28.4 |
| 265         | 26.5  | 22.7 34.1 |

