

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092220\  
 Data File : BN011865.D  
 Acq On : 22 Sep 2020 22:44  
 Operator : CG/JU  
 Sample : L4082-22  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D3-20200916

Quant Time: Sep 23 07:30:58 2020  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 14:36:55 2020  
 Response via : Initial Calibration

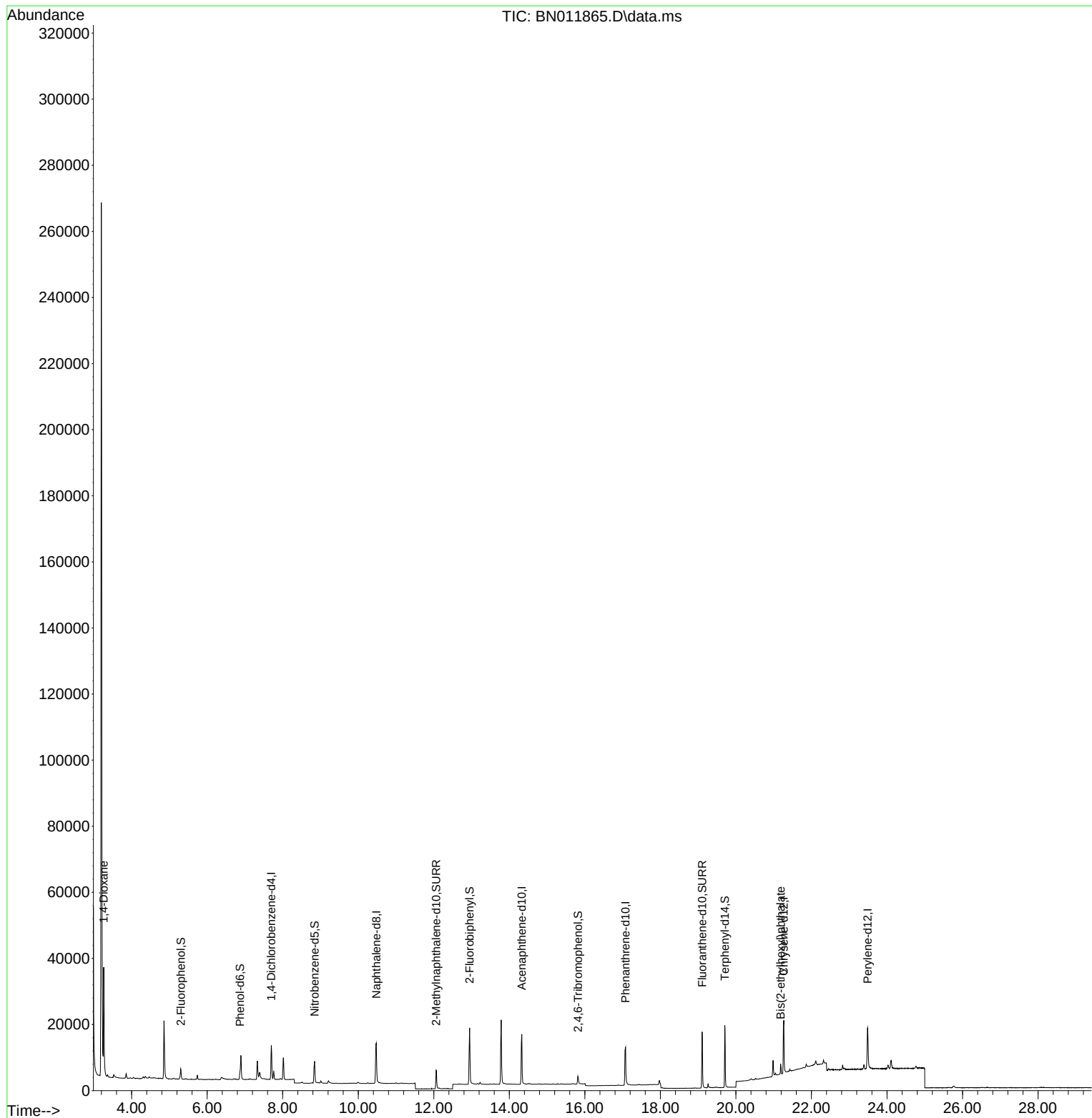
| Compound                      | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|-------------------------------|--------|------|----------|------|-------|----------|
| -----                         |        |      |          |      |       |          |
| Internal Standards            |        |      |          |      |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.699  | 152  | 4486     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.478 | 136  | 18469    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.331 | 164  | 9783     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.078 | 188  | 19046    | 0.40 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.269 | 240  | 18036    | 0.40 | ng    | # 0.00   |
| 36) Perylene-d12              | 23.487 | 264  | 18201    | 0.40 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |      |       |          |
| 4) 2-Fluorophenol             | 5.307  | 112  | 2280     | 0.17 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.869  | 99   | 1671     | 0.10 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.843  | 82   | 5866     | 0.32 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.064 | 152  | 8331     | 0.25 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.816 | 330  | 1747     | 0.35 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.948 | 172  | 15283    | 0.36 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.107 | 212  | 19275    | 0.32 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.707 | 244  | 18900    | 0.46 | ng    | 0.00     |
| Target Compounds              |        |      |          |      |       |          |
| 2) 1,4-Dioxane                | 3.261  | 88   | 17533    | 2.63 | ng    | 96       |
| 34) Bis(2-ethylhexyl)phtha... | 21.184 | 149  | 2951     | 0.09 | ng    | 92       |
| -----                         |        |      |          |      |       |          |

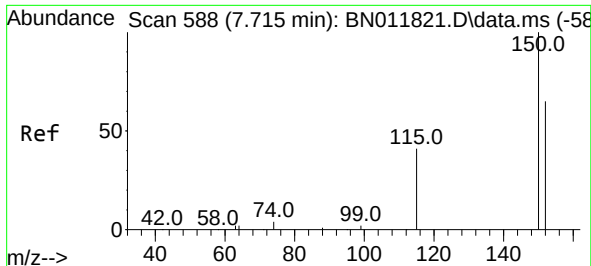
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN092220\  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 22 14:36:55 2020  
Response via : Initial Calibration

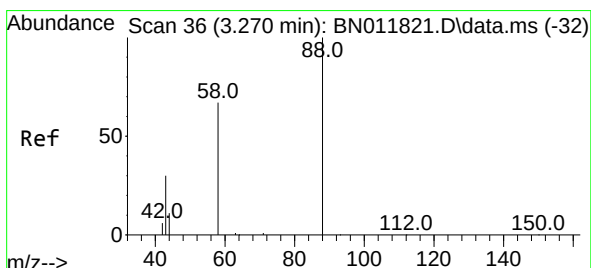
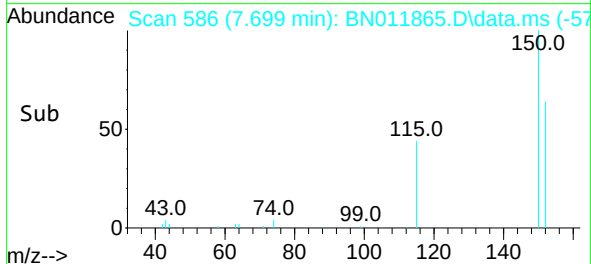
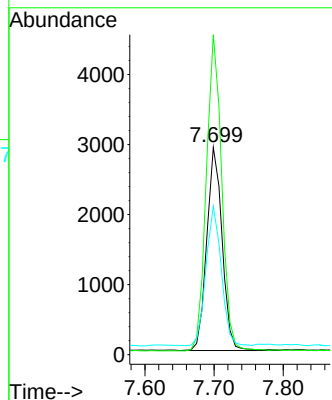
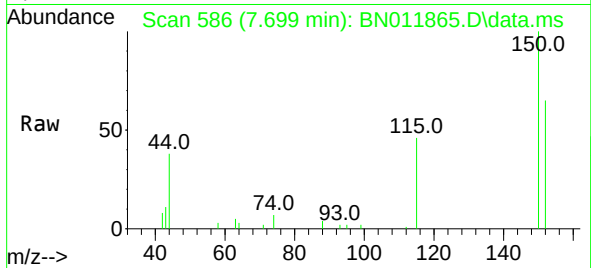




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.40 ng  
RT: 7.699 min Scan# 586  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

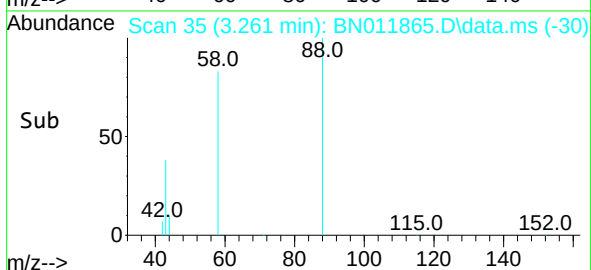
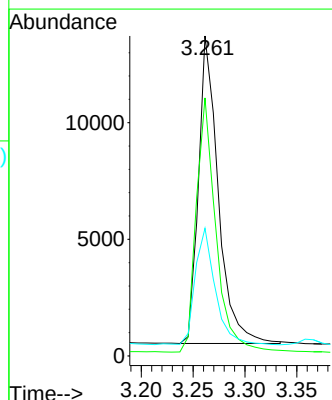
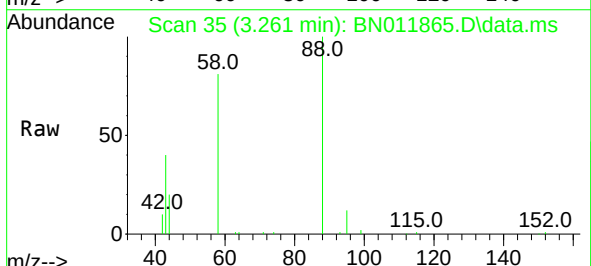
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BNA\_N  
ClientSampleId :  
RE125D3-20200916

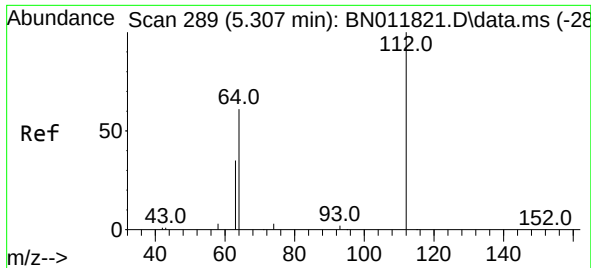
Tgt Ion:152 Resp: 4486  
Ion Ratio Lower Upper  
152 100  
150 154.3 118.3 177.5  
115 71.5 51.3 76.9



#2  
1,4-Dioxane  
Concen: 2.63 ng  
RT: 3.261 min Scan# 35  
Delta R.T. -0.008 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

Tgt Ion: 88 Resp: 17533  
Ion Ratio Lower Upper  
88 100  
58 81.6 63.3 94.9  
43 38.3 33.0 49.4

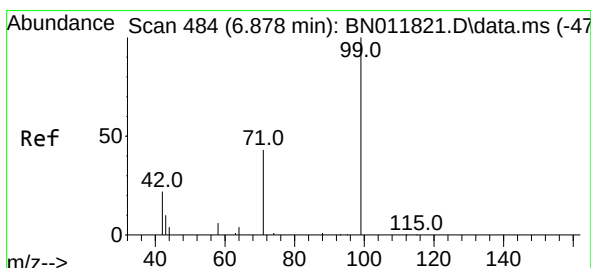
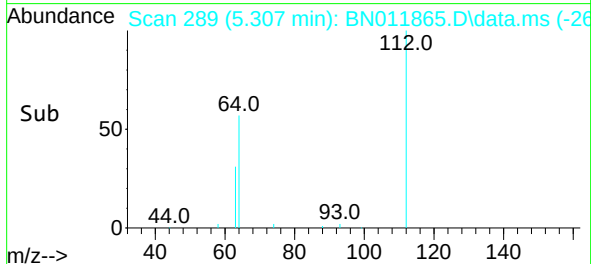
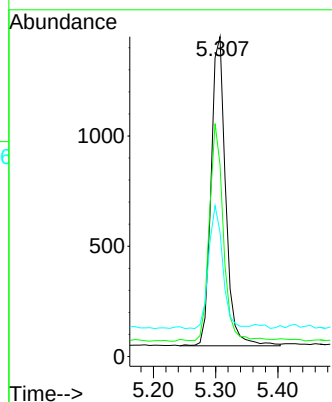
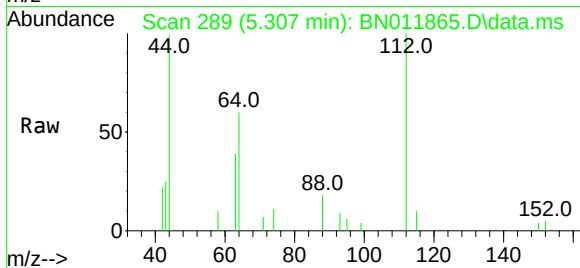




#4  
2-Fluorophenol  
Concen: 0.17 ng  
RT: 5.307 min Scan# 289  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

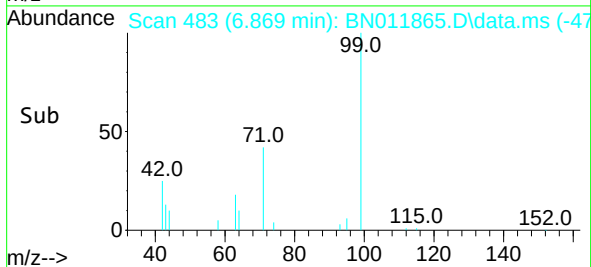
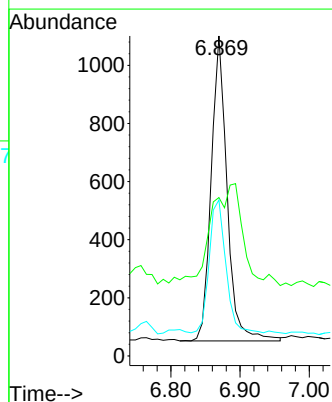
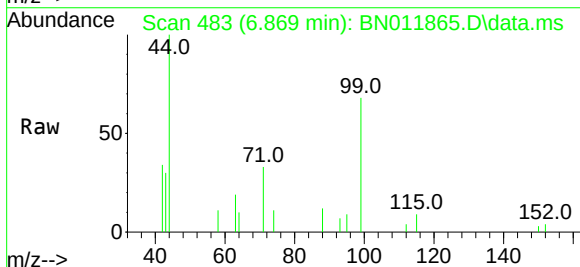
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20200916

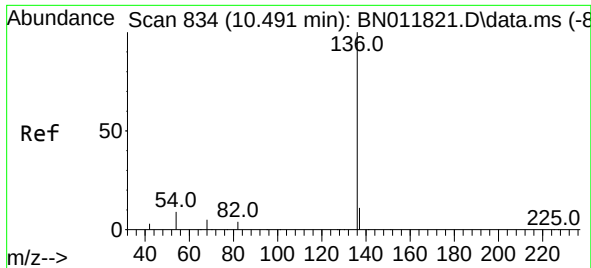
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 2280  |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 66.4  | 49.0  | 73.6  |
| 63       | 38.1  | 31.8  | 47.6  |



#5  
Phenol-d6  
Concen: 0.10 ng  
RT: 6.869 min Scan# 483  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 1671  |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 0.0   | 23.4  | 35.0  |
| 71       | 46.4  | 38.1  | 57.1  |

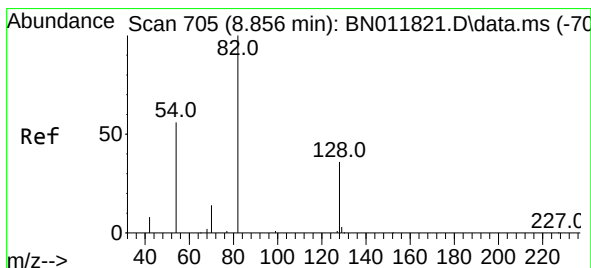
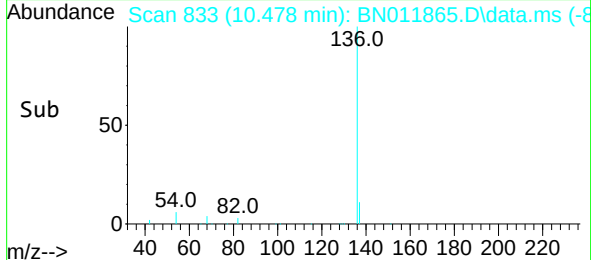
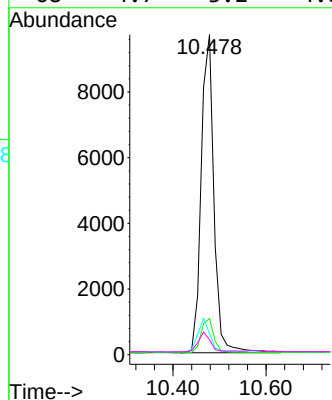
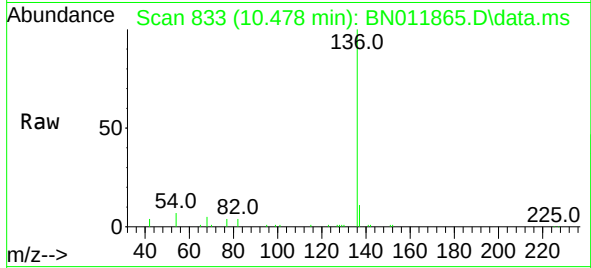




#7  
Naphthalene-d8  
Concen: 0.40 ng  
RT: 10.478 min Scan# 833  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

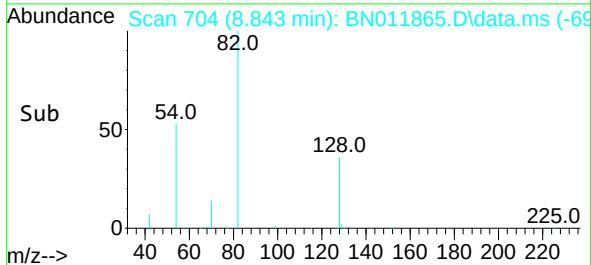
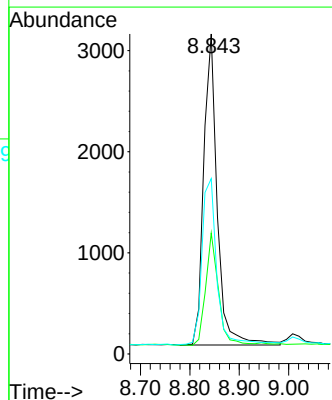
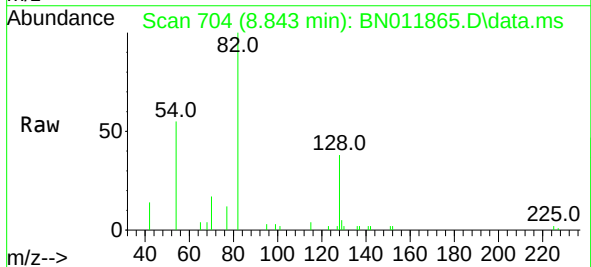
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20200916

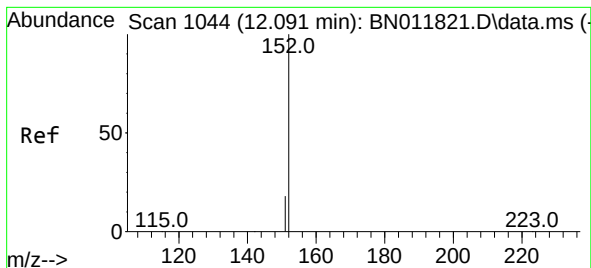
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 18469 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.5   | 14.3  |
| 54        | 6.6   | 5.6   | 8.4   |
| 68        | 4.7   | 3.2   | 4.8   |



#8  
Nitrobenzene-d5  
Concen: 0.32 ng  
RT: 8.843 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5866 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 37.8  | 34.2  | 51.2 |
| 54        | 54.8  | 43.1  | 64.7 |

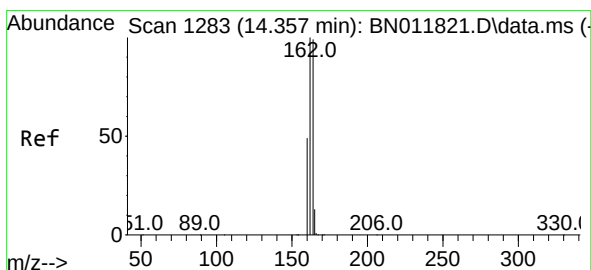
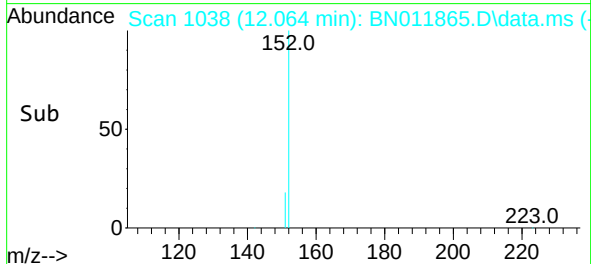
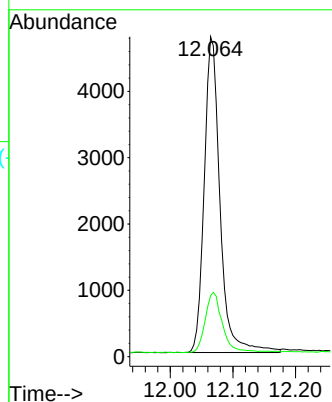
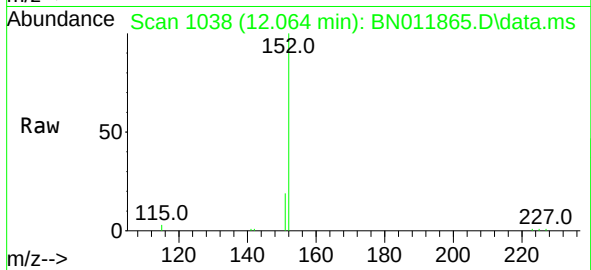




#11  
2-Methylnaphthalene-d10  
Concen: 0.25 ng  
RT: 12.064 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

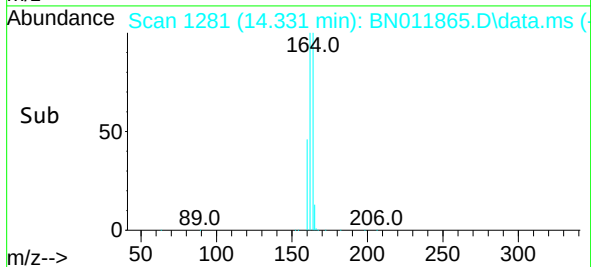
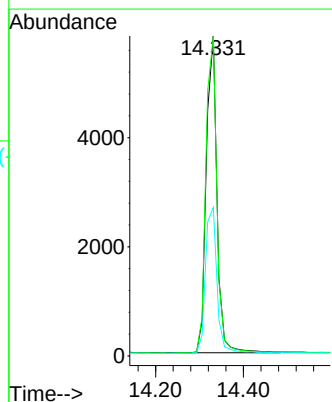
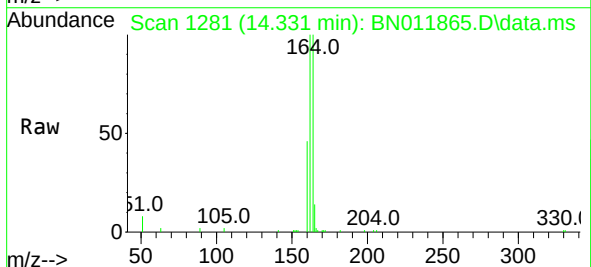
Instrument :  
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ClientSampleId :  
RE125D3-20200916

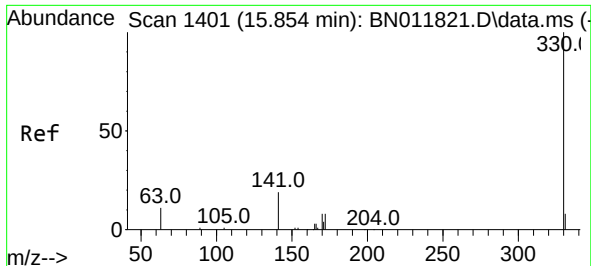
Tgt Ion:152 Resp: 8331  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.7 25.1



#13  
Acenaphthene-d10  
Concen: 0.40 ng  
RT: 14.331 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

Tgt Ion:164 Resp: 9783  
Ion Ratio Lower Upper  
164 100  
162 99.8 83.6 125.4  
160 46.5 41.2 61.8

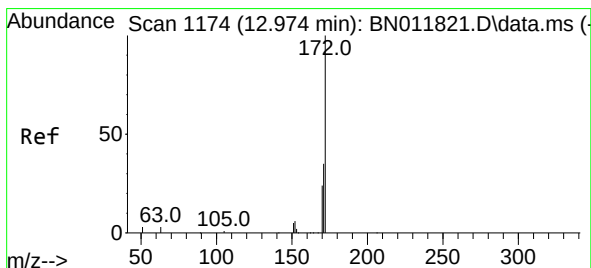
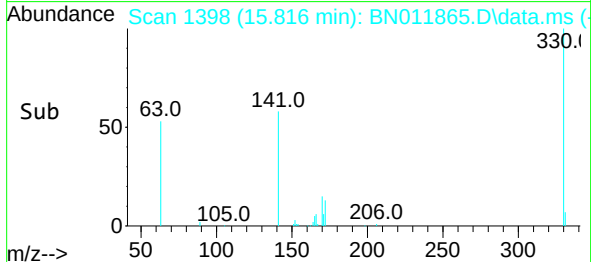
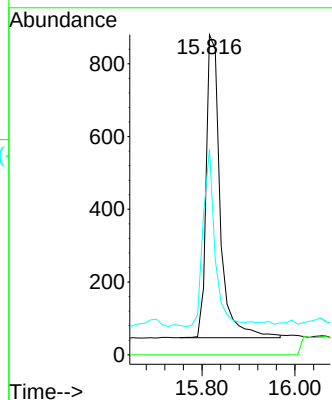
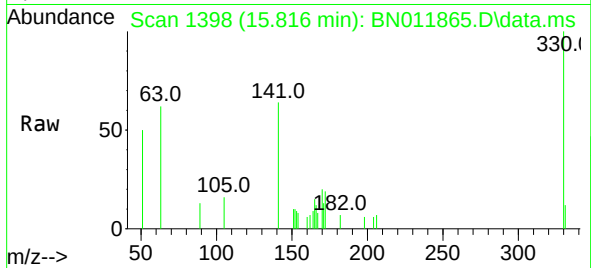




#14  
2,4,6-Tribromophenol  
Concen: 0.35 ng  
RT: 15.816 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

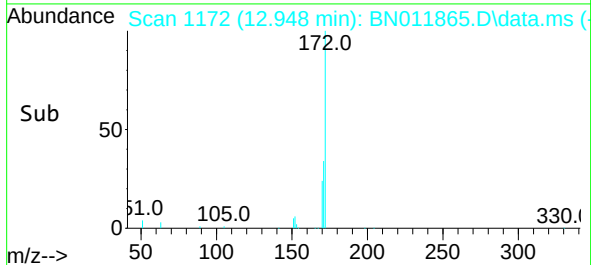
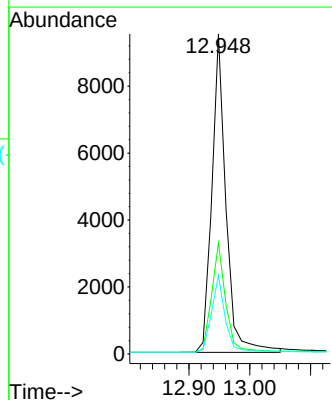
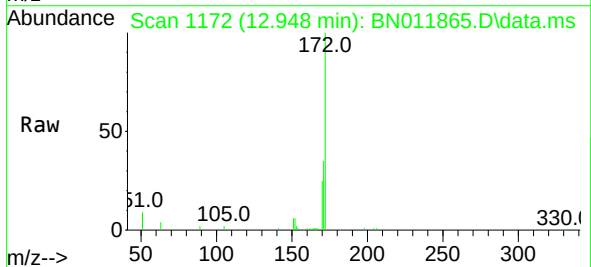
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BNA\_N  
ClientSampleId :  
RE125D3-20200916

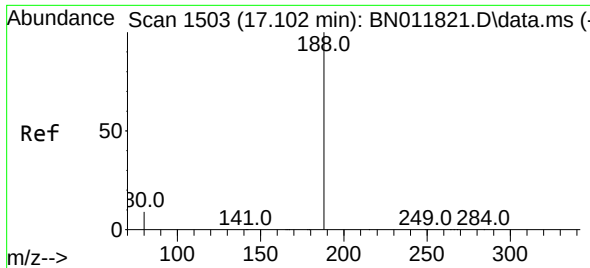
Tgt Ion:330 Resp: 1747  
Ion Ratio Lower Upper  
330 100  
332 0.0 0.0 0.0  
141 50.1 33.7 50.5



#15  
2-Fluorobiphenyl  
Concen: 0.36 ng  
RT: 12.948 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

Tgt Ion:172 Resp: 15283  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.4 41.2  
170 24.6 17.8 26.6

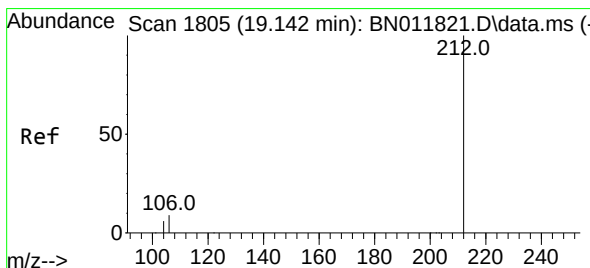
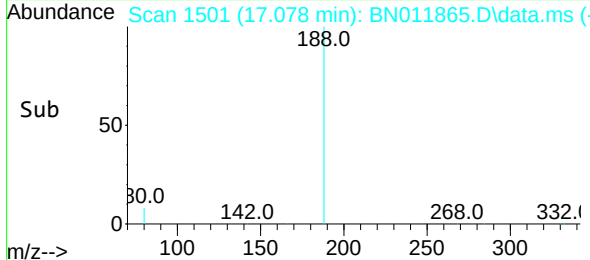
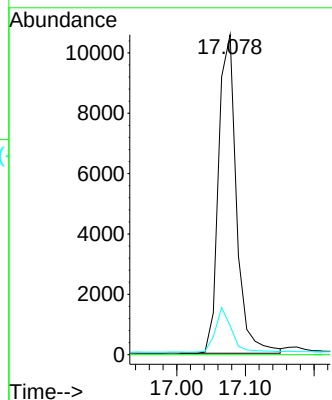
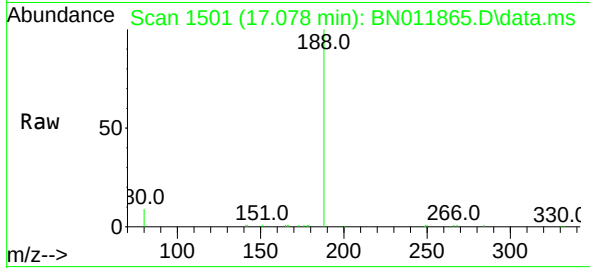




#19  
Phenanthrene-d10  
Concen: 0.40 ng  
RT: 17.078 min Scan# 1501  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

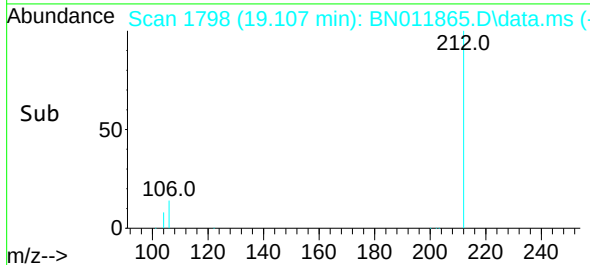
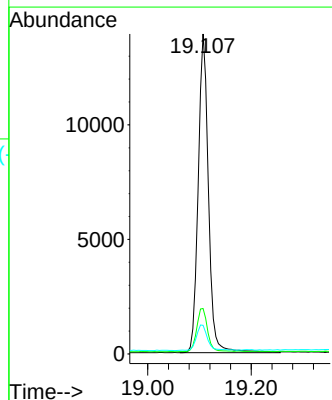
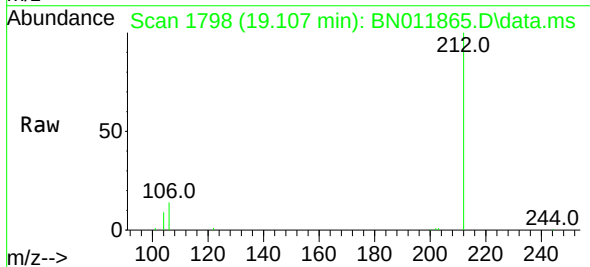
Instrument :  
BNA\_N  
ClientSampleId :  
RE125D3-20200916

Tgt Ion:188 Resp: 19046  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.1 7.7 11.5

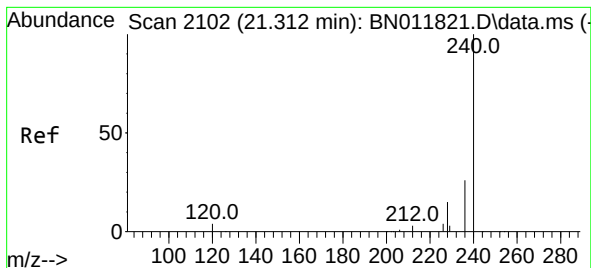


#27  
Fluoranthene-d10  
Concen: 0.32 ng  
RT: 19.107 min Scan# 1798  
Delta R.T. -0.000 min  
Lab File: BN011865.D  
Acq: 22 Sep 2020 22:44

Tgt Ion:212 Resp: 19275  
Ion Ratio Lower Upper  
212 100  
106 14.3 6.4 9.6#  
104 8.9 3.9 5.9#







#29

Chrysene-d12

Concen: 0.40 ng

RT: 21.269 min Scan# 2098

Delta R.T. -0.000 min

Lab File: BN011865.D

Acq: 22 Sep 2020 22:44

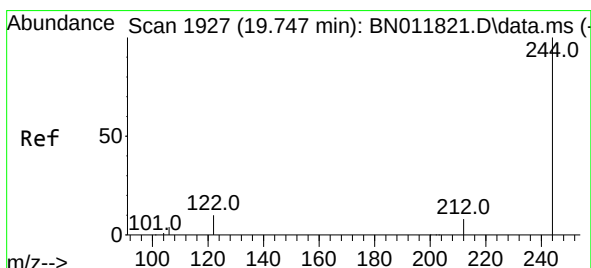
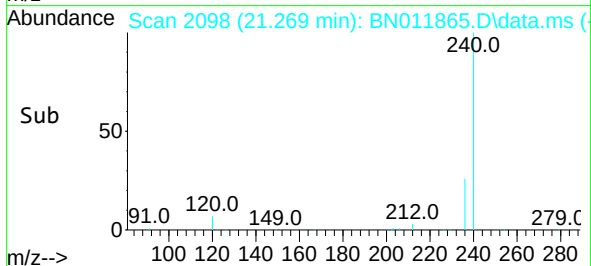
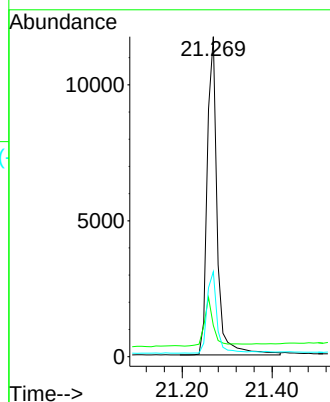
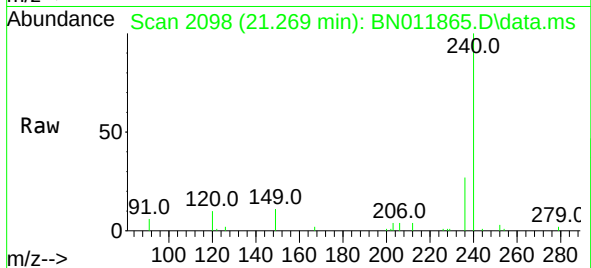
Tgt Ion:240 Resp: 18036

Ion Ratio Lower Upper

240 100

120 9.8 3.5 5.3#

236 26.6 20.5 30.7



#31

Terphenyl-d14

Concen: 0.46 ng

RT: 19.707 min Scan# 1919

Delta R.T. -0.005 min

Lab File: BN011865.D

Acq: 22 Sep 2020 22:44

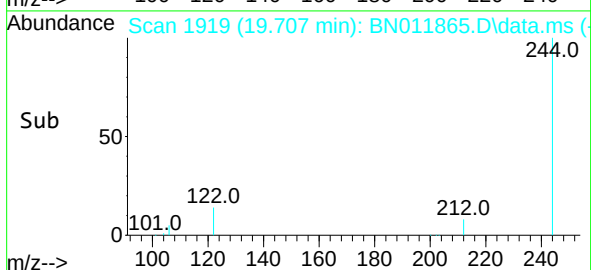
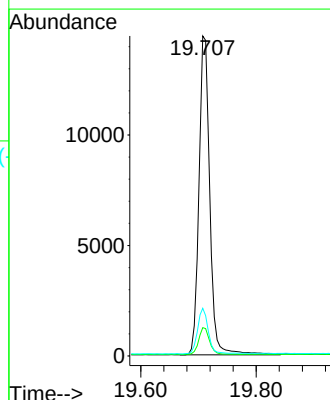
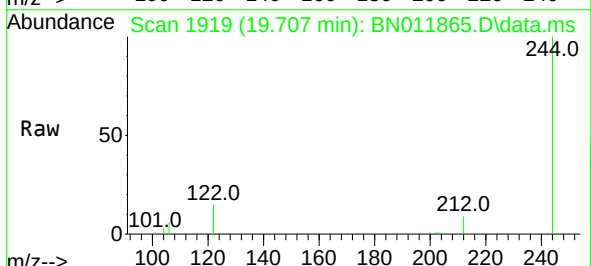
Tgt Ion:244 Resp: 18900

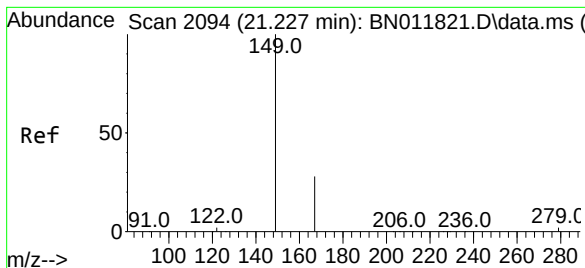
Ion Ratio Lower Upper

244 100

212 8.8 7.3 10.9

122 14.9 7.8 11.6#

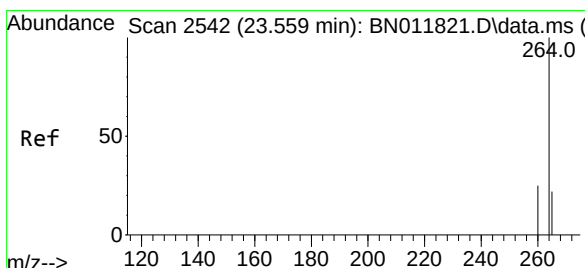
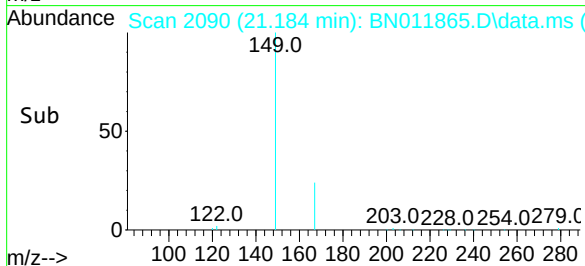
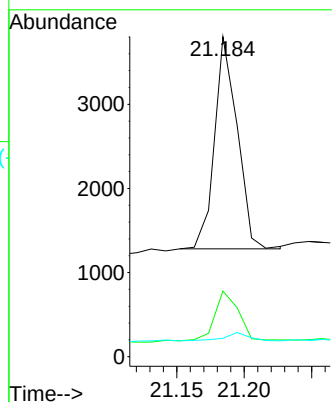
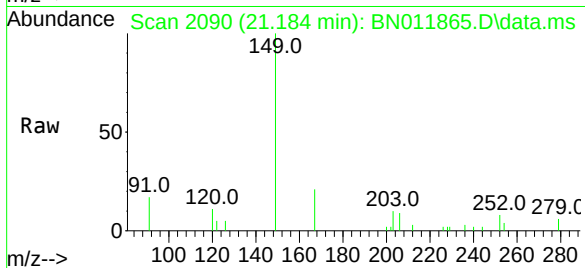




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.09 ng  
 RT: 21.184 min Scan# 2090  
 Delta R.T. -0.000 min  
 Lab File: BN011865.D  
 Acq: 22 Sep 2020 22:44

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE125D3-20200916

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 2951      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 24.8  | 23.6 35.4 |
| 279         | 4.1   | 4.0 6.0   |



#36  
 Perylene-d12  
 Concen: 0.40 ng  
 RT: 23.487 min Scan# 2521  
 Delta R.T. -0.004 min  
 Lab File: BN011865.D  
 Acq: 22 Sep 2020 22:44

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 18201     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 24.0  | 19.6 29.4 |
| 265         | 63.4  | 38.6 58.0 |

