

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082820\  
 Data File : BP003151.D  
 Acq On : 28 Aug 2020 15:22  
 Operator : CG/JU  
 Sample : PB131271TB  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB131271TB

Quant Time: Aug 28 16:32:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 24 15:32:08 2020  
 Response via : Initial Calibration

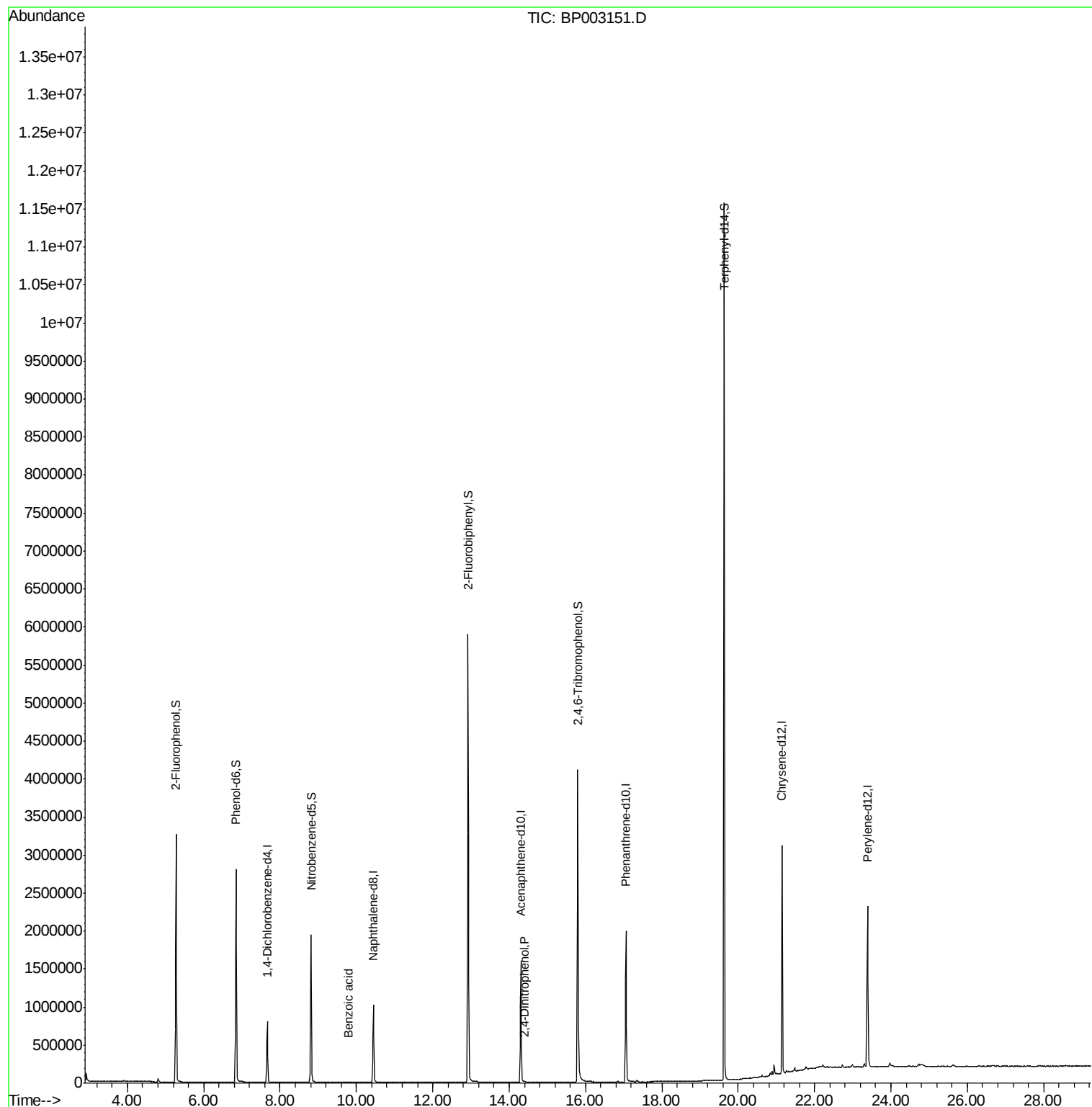
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 246805   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.44 | 136  | 976857   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.30 | 164  | 607539   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.06 | 188  | 1369149  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.15 | 240  | 1545529  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.39 | 264  | 1686256  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1701114  | 121.86 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 1980392  | 113.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 1174081  | 86.65  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 1047348  | 127.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 3452237  | 83.21  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.63 | 244  | 5285935  | 75.26  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.78  | 122  | 35       | 9.000  | ng    | # 1      |
| 54) 2,4-Dinitrophenol       | 14.40 | 184  | 17       | 7.758  | ng    | # 77     |

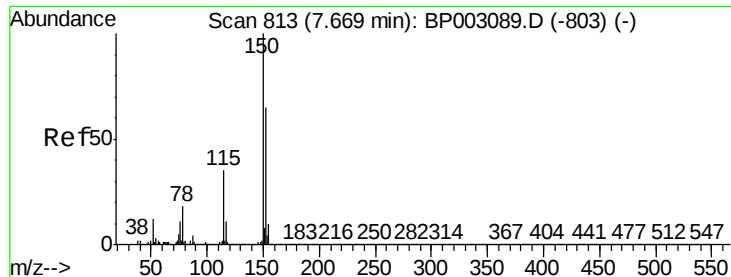
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_P  
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PB131271TB

Quant Time: Aug 28 16:32:09 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Aug 24 15:32:08 2020  
Response via : Initial Calibration



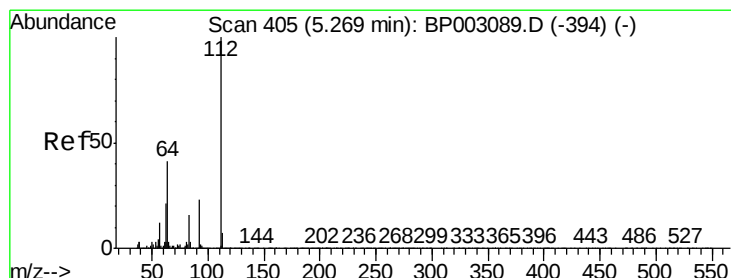
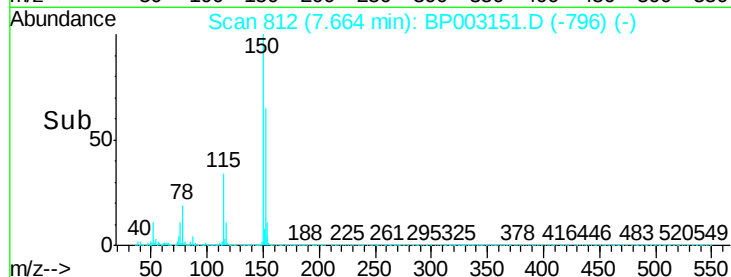
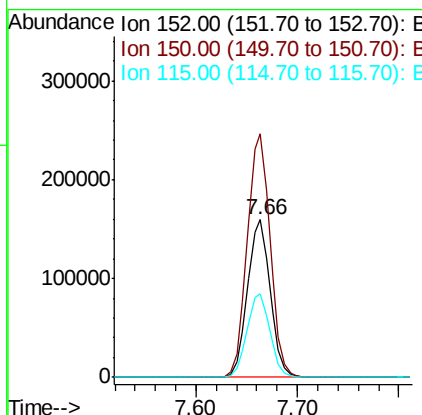
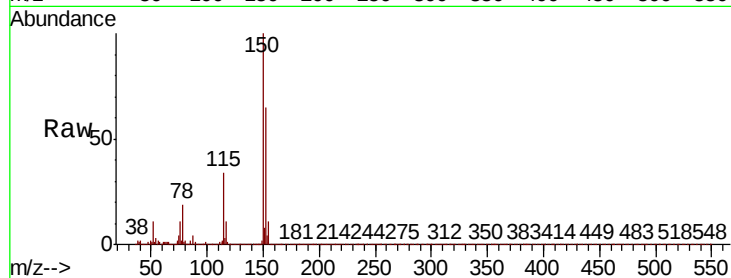


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

Instrument :  
BNA\_P  
ClientSampleId :  
PB131271TB

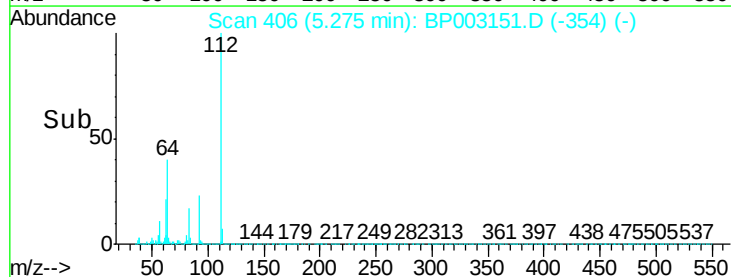
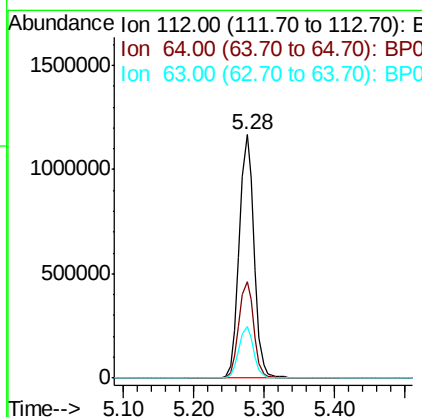
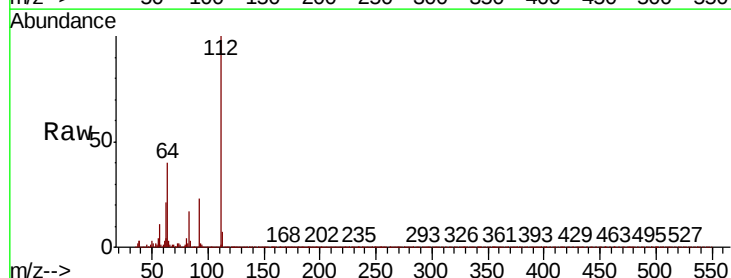
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 123.1 | 184.7 |
| 115     | 52.7  | 42.8  | 64.2  |

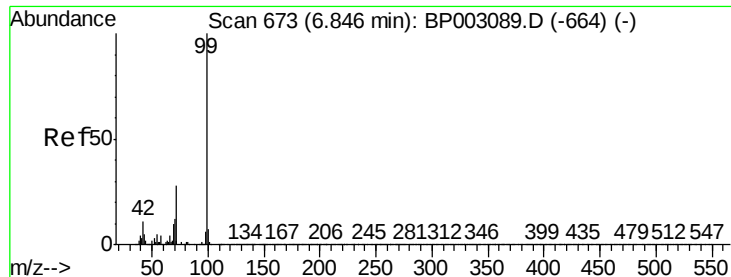


#5

2-Fluorophenol  
Concen: 121.862 ng  
RT: 5.28 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 39.7  | 33.0  | 49.6  |
| 63      | 21.0  | 16.9  | 25.3  |





#7

Phenol-d6

Concen: 113.172 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.00 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Instrument :

BNA\_P

ClientSampleId :

PB131271TB

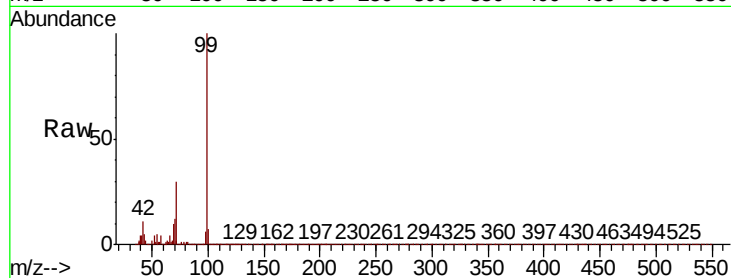
Tot Ion: 99 Resp: 1980392

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.7  | 8.5   | 12.7  |
| 71  | 29.5  | 22.8  | 34.2  |

99 100

42 10.7 8.5 12.7

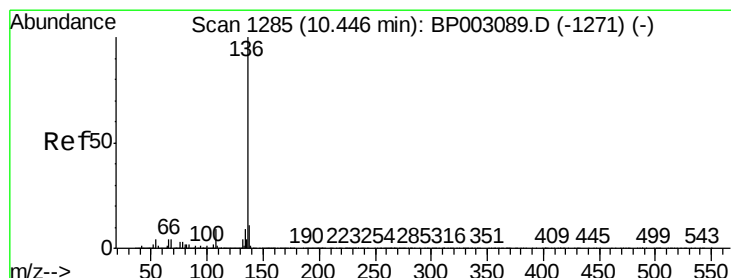
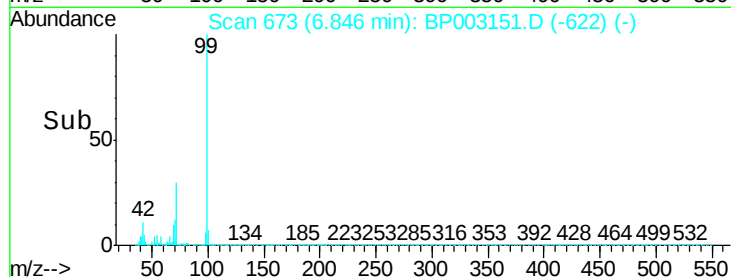
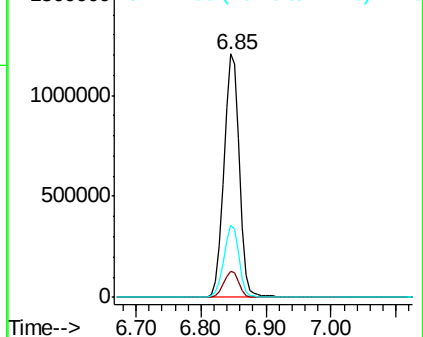
71 29.5 22.8 34.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Tgt Ion: 136 Resp: 976857

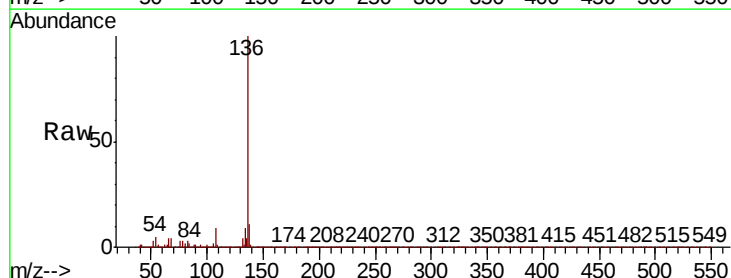
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.8   | 13.2  |
| 54  | 4.6   | 3.5   | 5.3   |
| 68  | 4.2   | 3.2   | 4.8   |

136 100

137 11.2 8.8 13.2

54 4.6 3.5 5.3

68 4.2 3.2 4.8

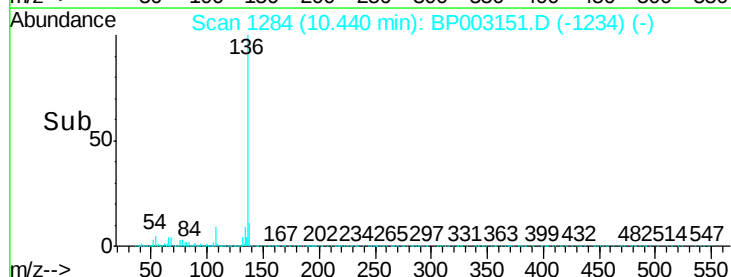
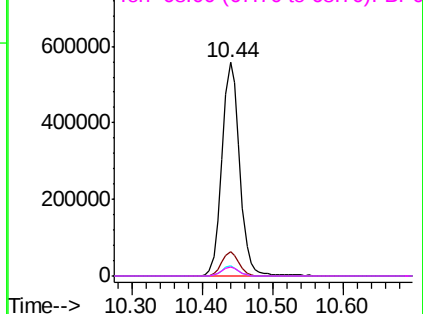


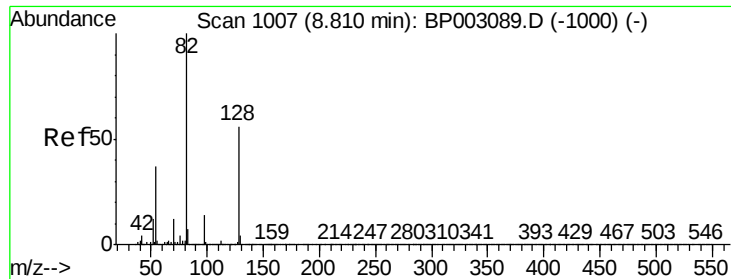
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

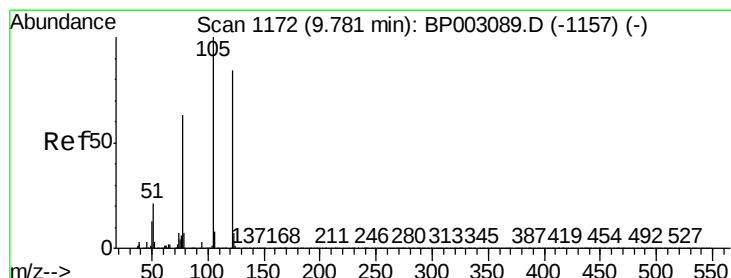
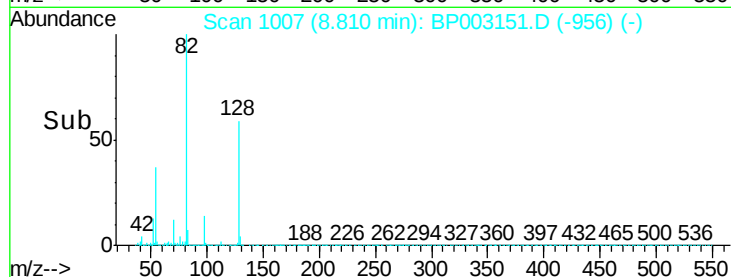
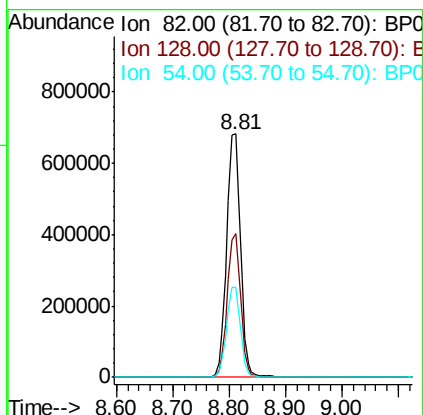
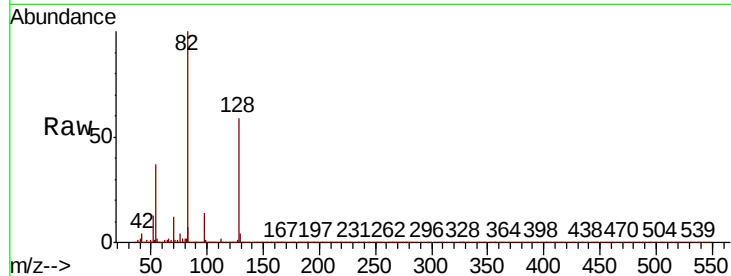




#23  
Nitrobenzene-d5  
Concen: 86.645 ng  
RT: 8.81 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

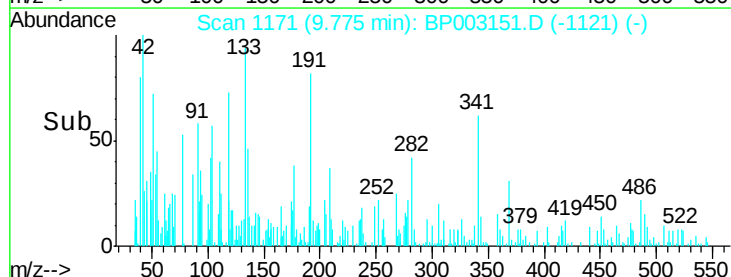
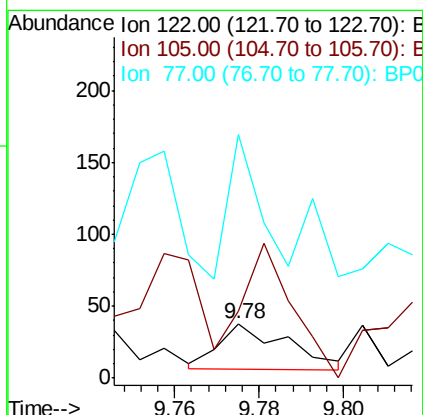
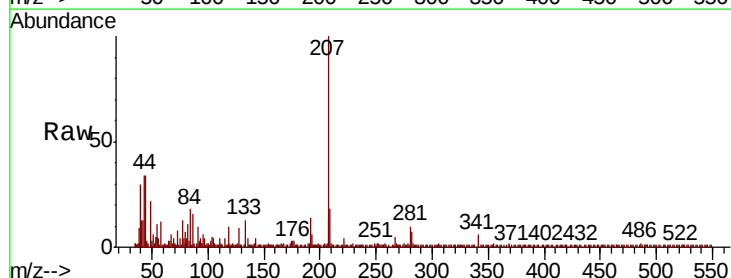
Instrument :  
BNA\_P  
ClientSampleId :  
PB131271TB

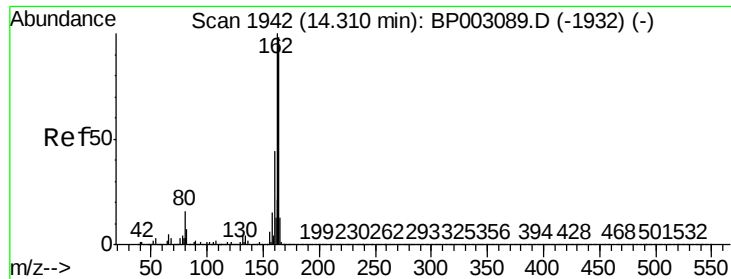
Tot Ion: 82 Resp: 1174081  
Ion Ratio Lower Upper  
82 100  
128 58.9 44.9 67.3  
54 37.2 29.4 44.2



#32  
Benzoic acid  
Concen: 9.000 ng  
RT: 9.78 min Scan# 1171  
Delta R.T. -0.00 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

Tgt Ion: 122 Resp: 35  
Ion Ratio Lower Upper  
122 100  
105 123.7 98.1 138.1  
77 444.7 55.3 95.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.30 min Scan# 1941

Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Instrument :

BNA\_P

ClientSampleId :

PB131271TB

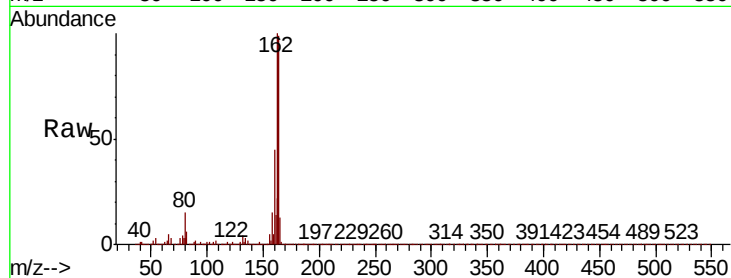
Tot Ion:164 Resp: 607539

Ion Ratio Lower Upper

164 100

162 101.1 81.2 121.8

160 45.6 36.0 54.0

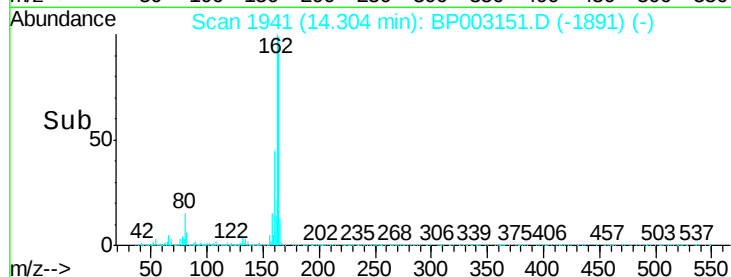


Abundance Ion 164.00 (163.70 to 164.70): E

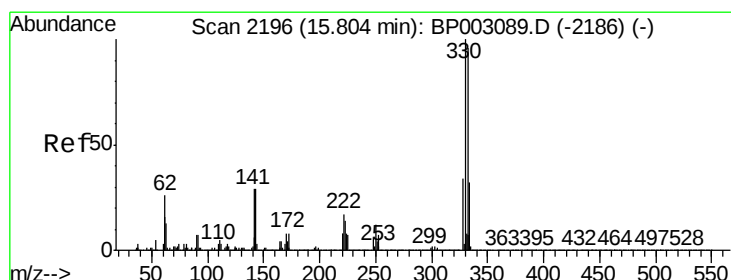
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



Time-->



#42

2,4,6-Tribromophenol

Concen: 127.464 ng

RT: 15.80 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

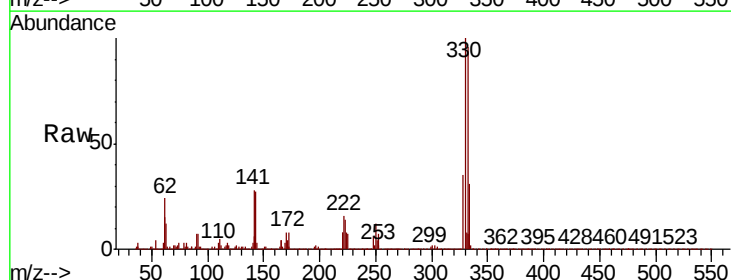
Tgt Ion:330 Resp: 1047348

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

141 28.8 24.4 36.6

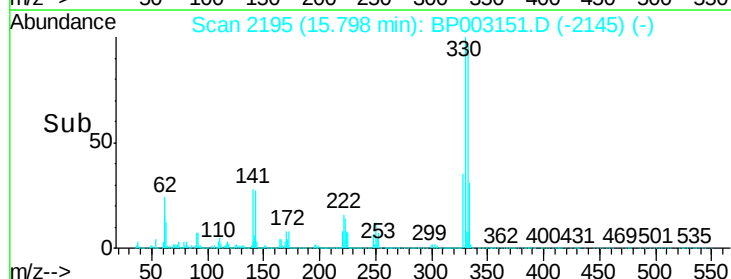


Abundance Ion 329.80 (329.50 to 330.50): E

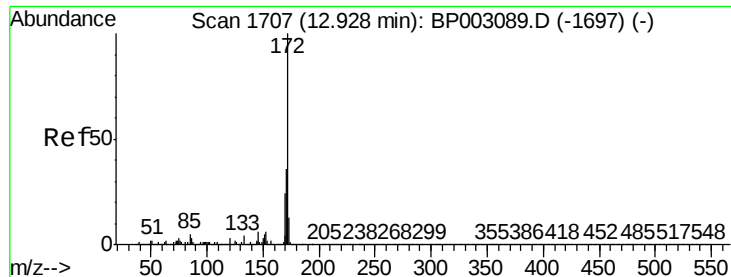
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

Time-->



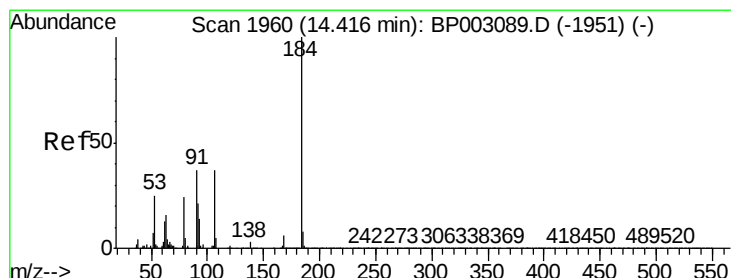
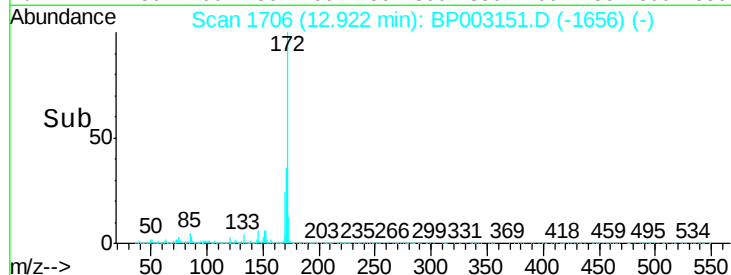
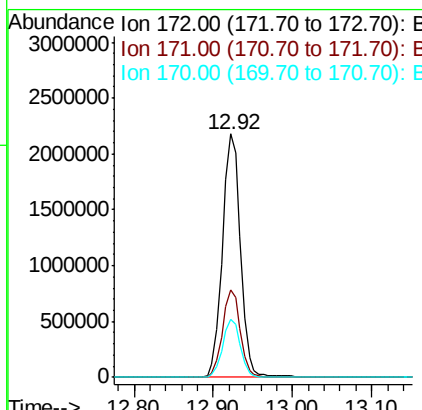
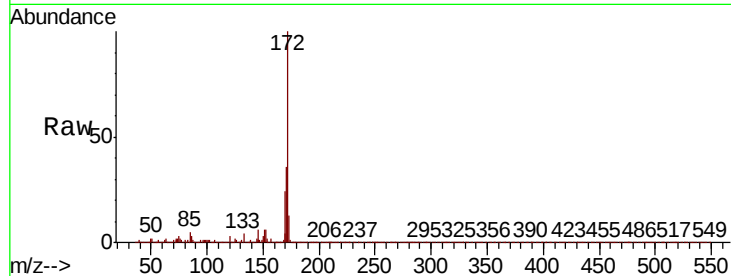
Time-->



#45  
2-Fluorobiphenyl  
Concen: 83.215 ng  
RT: 12.92 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

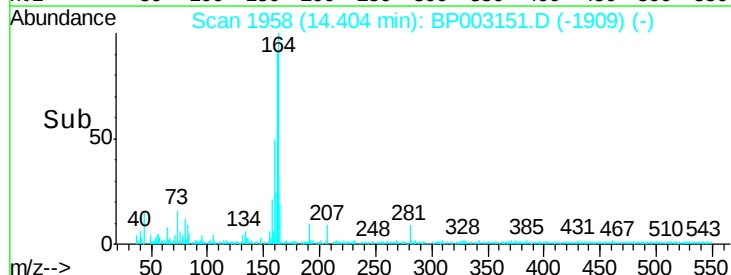
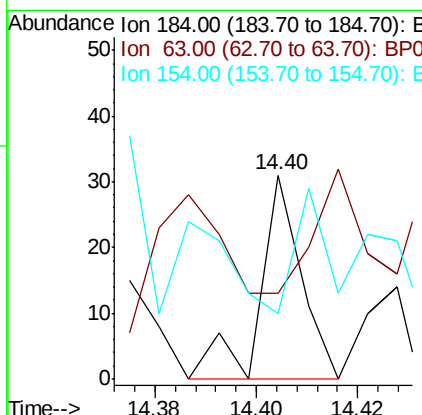
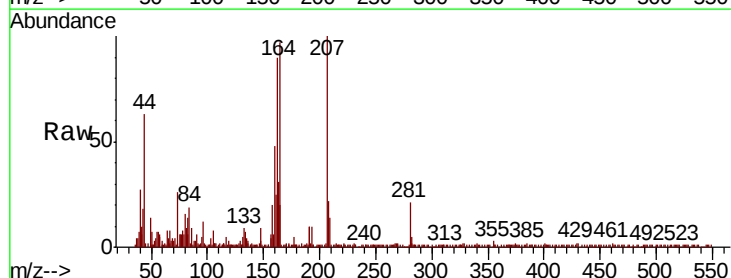
Instrument :  
BNA\_P  
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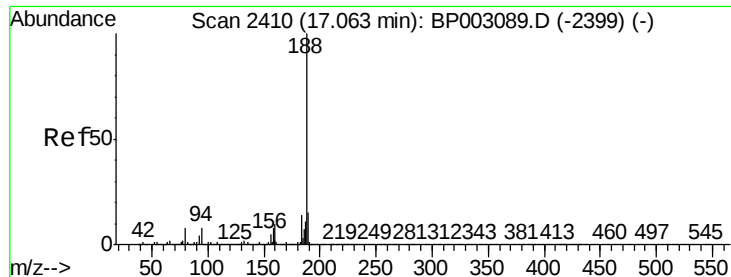
Tot Ion:172 Resp: 3452237  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.7 43.1  
170 23.6 19.0 28.4



#54  
2,4-Dinitrophenol  
Concen: 7.758 ng  
RT: 14.40 min Scan# 1958  
Delta R.T. -0.01 min  
Lab File: BP003151.D  
Acq: 28 Aug 2020 15:22

Tgt Ion:184 Resp: 17  
Ion Ratio Lower Upper  
184 100  
63 41.9 32.0 48.0  
154 32.3 48.2 72.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2409

Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Instrument :

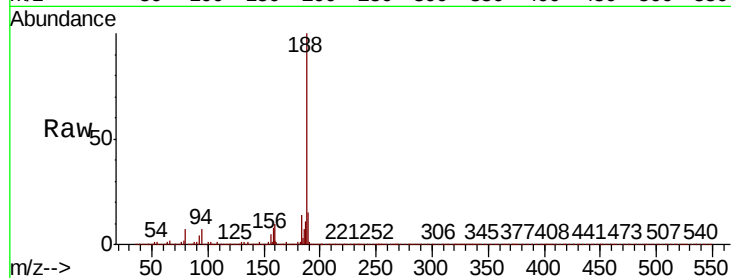
BNA\_P

ClientSampleId :

PB131271TB

Tot Ion:188 Resp: 1369149

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 7.4   | 6.2   | 9.4   |
| 80  | 7.2   | 6.4   | 9.6   |

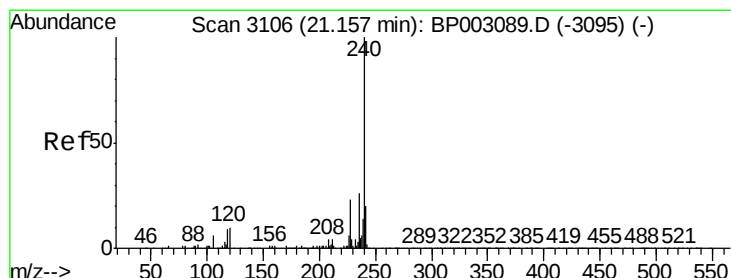
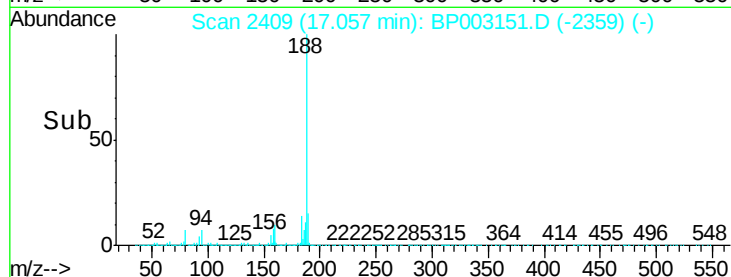
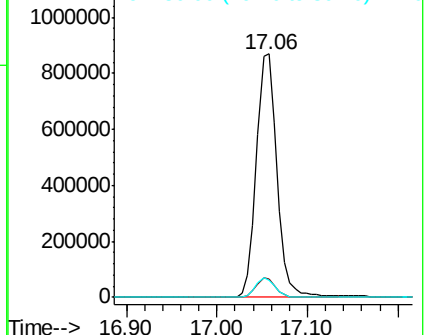


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3104

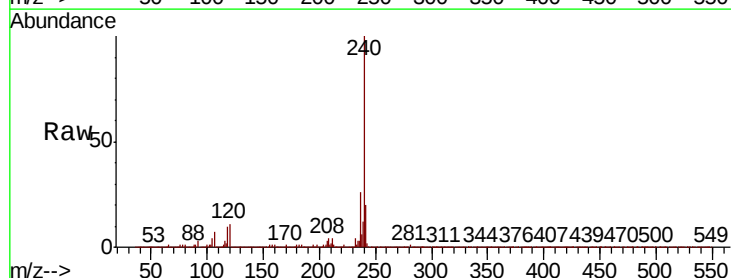
Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Tgt Ion:240 Resp: 1545529

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.9  | 8.4   | 12.6  |
| 236 | 25.8  | 20.6  | 31.0  |

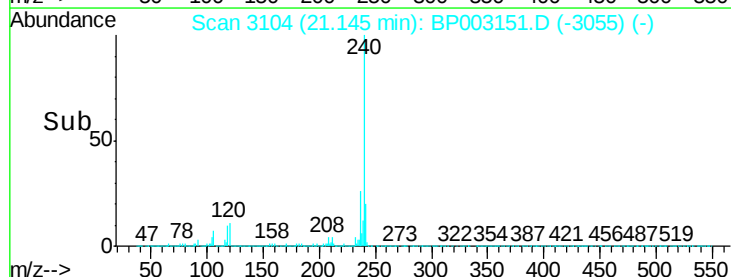
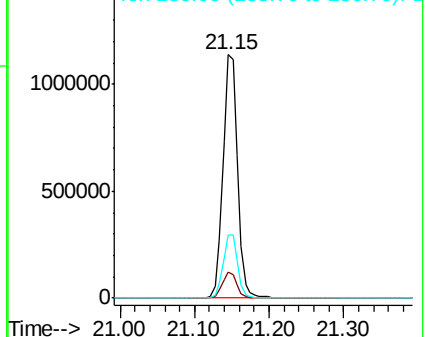


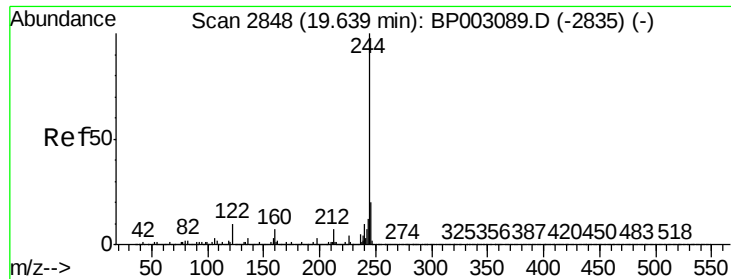
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.258 ng

RT: 19.63 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

Instrument :

BNA\_P

ClientSampleId :

PB131271TB

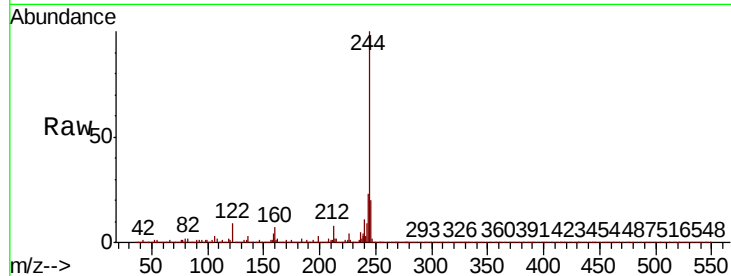
Tot Ion:244 Resp: 5285935

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

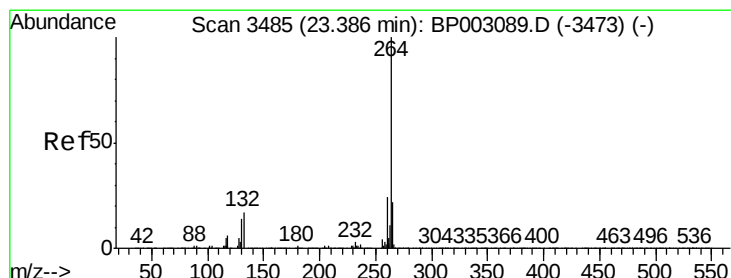
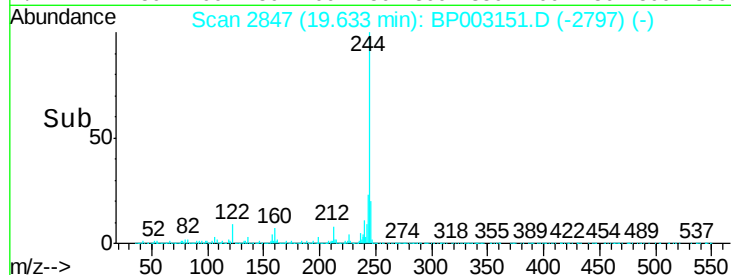
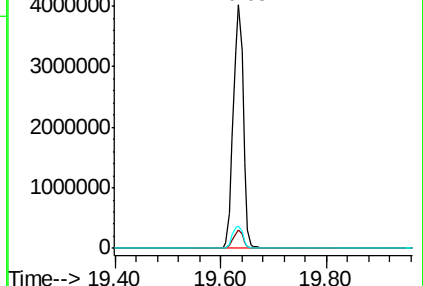
122 9.2 7.7 11.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.39 min Scan# 3485

Delta R.T. 0.00 min

Lab File: BP003151.D

Acq: 28 Aug 2020 15:22

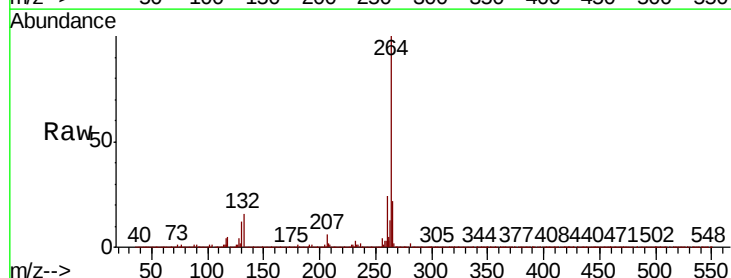
Tgt Ion:264 Resp: 1686256

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

