

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082820\  
 Data File : BP003148.D  
 Acq On : 28 Aug 2020 12:17  
 Operator : CG/JU  
 Sample : PB131230BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Aug 28 12:50:41 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

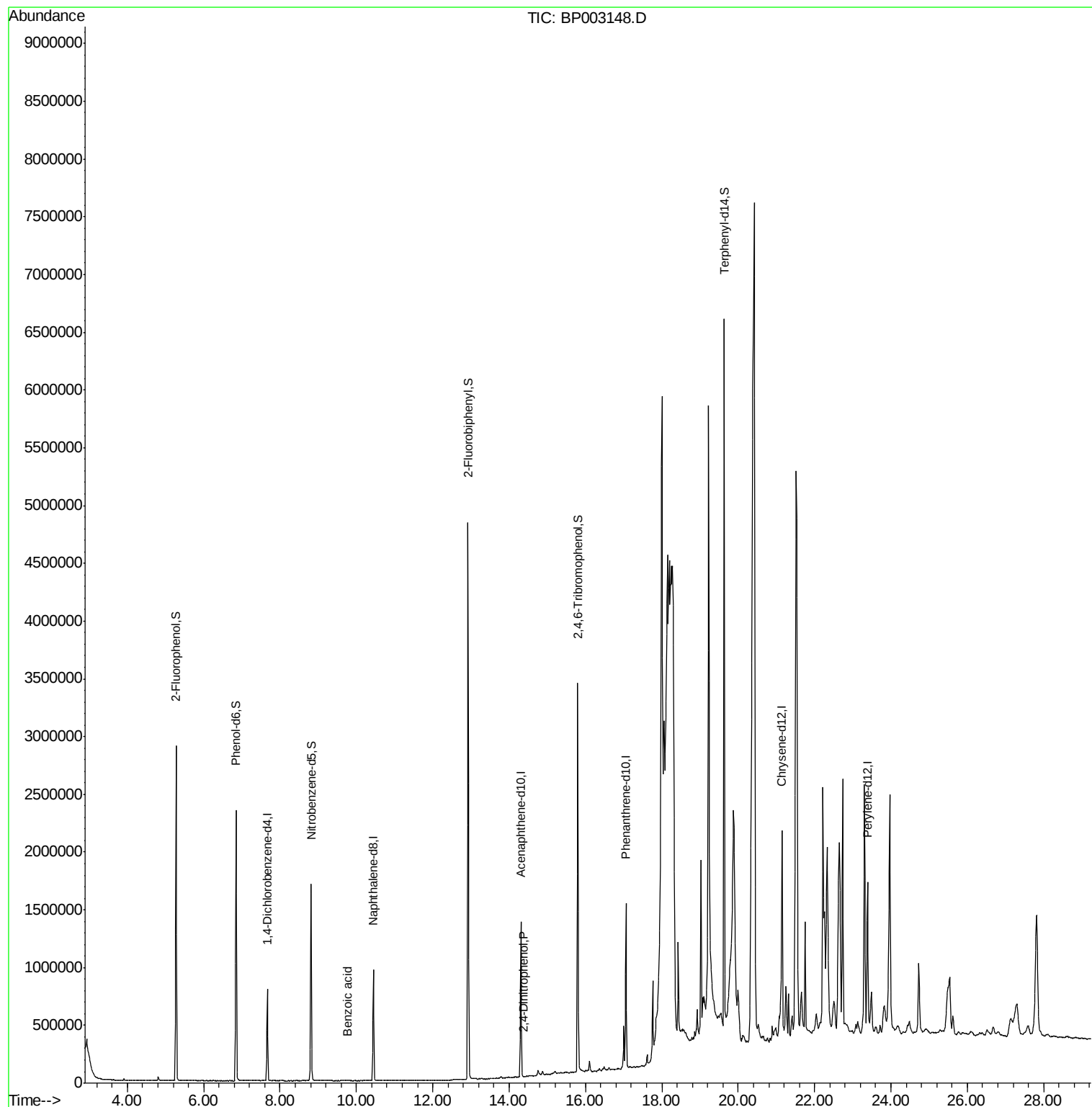
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 236185   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.44 | 136  | 885435   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.30 | 164  | 484934   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.06 | 188  | 890688   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.15 | 240  | 766575   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.39 | 264  | 943893   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1457929  | 109.14 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 1634050  | 97.58  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 986716   | 80.34  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 782967   | 119.38 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 2697662  | 81.47  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.63 | 244  | 2675243  | 76.79  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.77  | 122  | 30       | 9.000  | ng    | # 64     |
| 54) 2,4-Dinitrophenol       | 14.39 | 184  | 45       | 7.765  | ng    | # 1      |

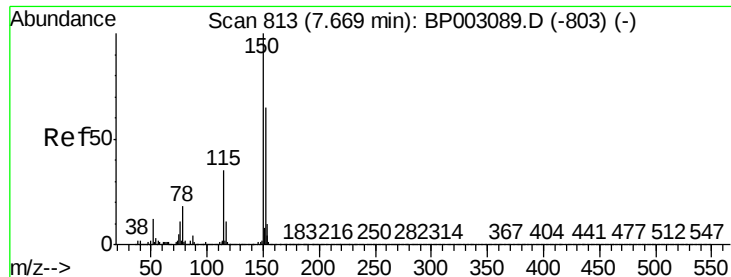
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082820\  
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Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Aug 28 12:50:41 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  
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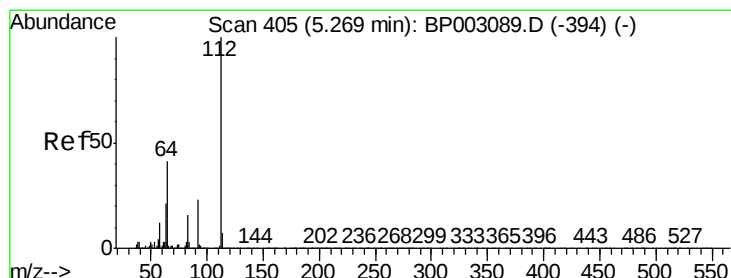
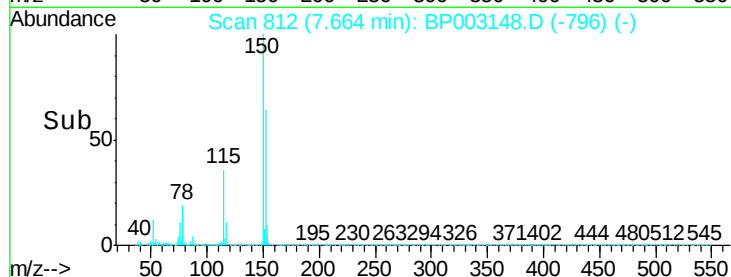
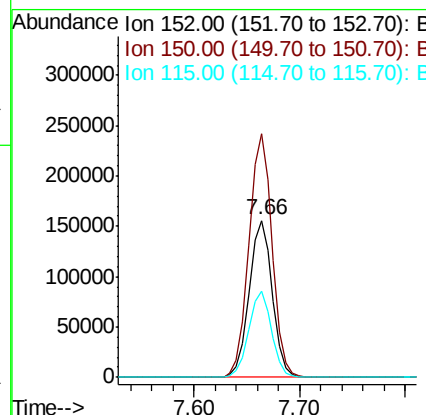
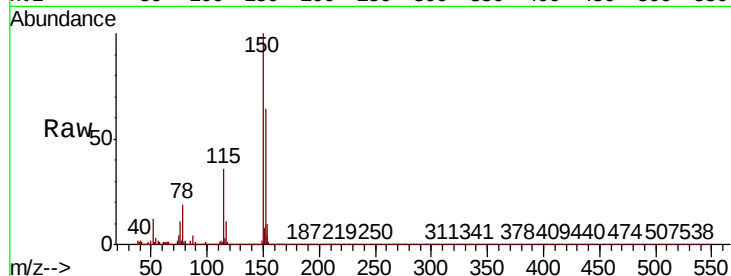


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 12:17

Instrument :  
BNA\_P  
ClientSampleId :

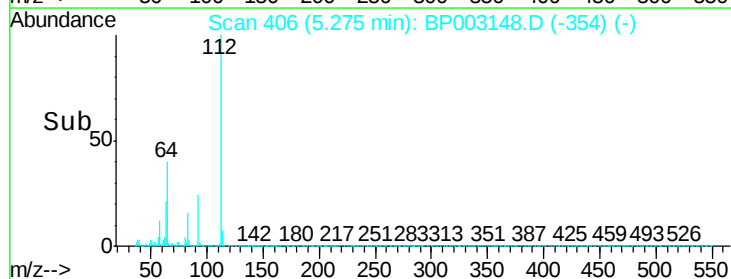
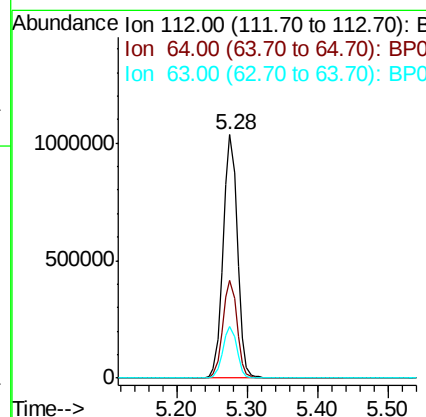
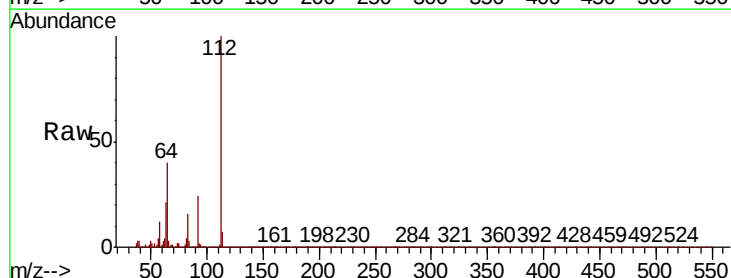
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.5 | 123.1 | 184.7 |
| 115     | 55.3  | 42.8  | 64.2  |

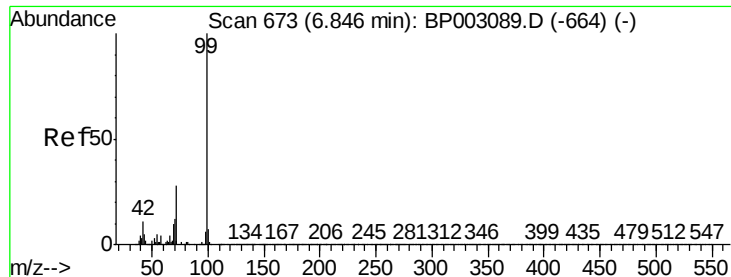


#5

2-Fluorophenol  
Concen: 109.137 ng  
RT: 5.28 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 40.3  | 33.0  | 49.6  |
| 63      | 21.1  | 16.9  | 25.3  |





#7

Phenol-d6

Concen: 97.578 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.00 min

Lab File: BP003148.D

Acq: 28 Aug 2020 12:17

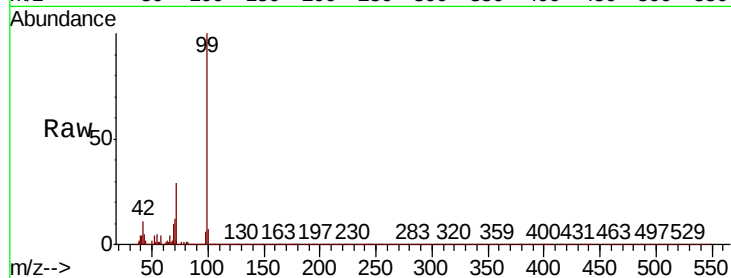
Instrument :

BNA\_P

ClientSampleId :

Tot Ion: 99 Resp: 1634050

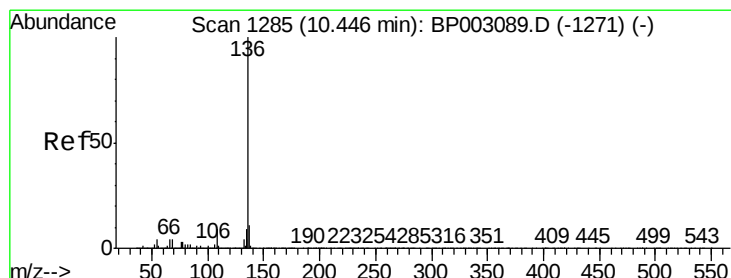
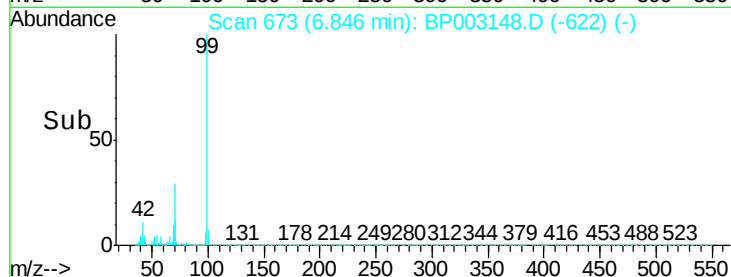
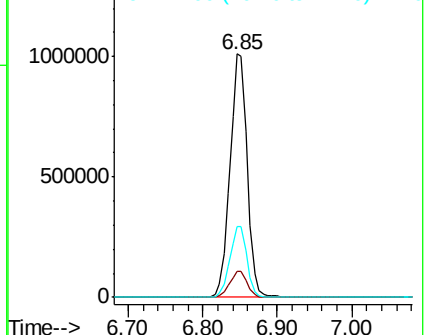
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.6  | 8.5   | 12.7  |
| 71  | 29.3  | 22.8  | 34.2  |



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

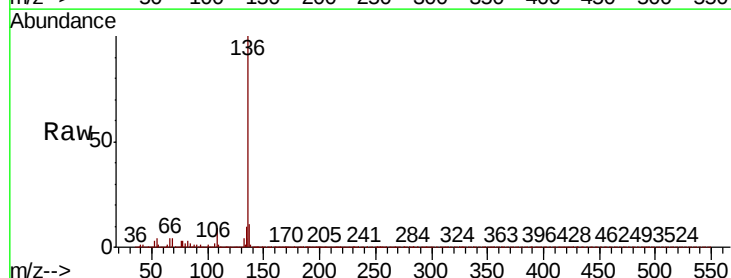
Delta R.T. -0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 12:17

Tgt Ion: 136 Resp: 885435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 4.3   | 3.5   | 5.3   |
| 68  | 4.1   | 3.2   | 4.8   |

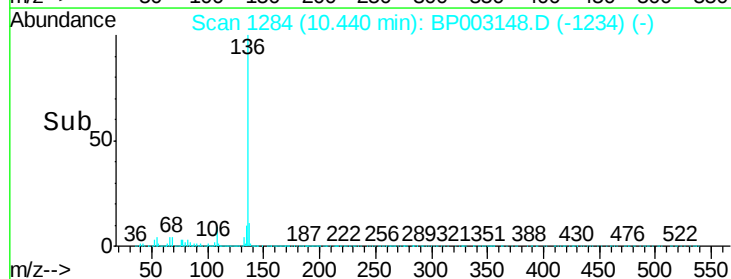
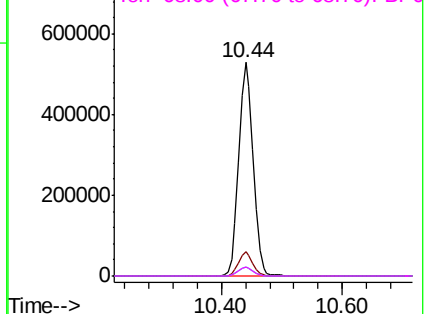


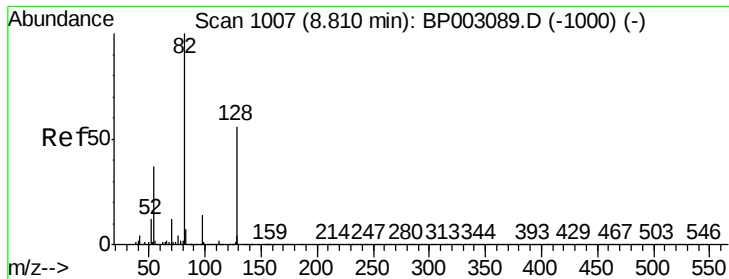
Abundance Ion 136.00 (135.70 to 136.70): E

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

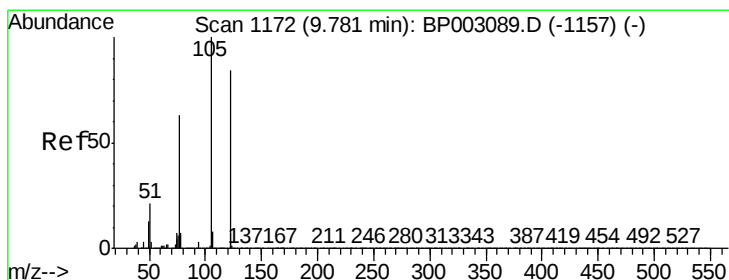
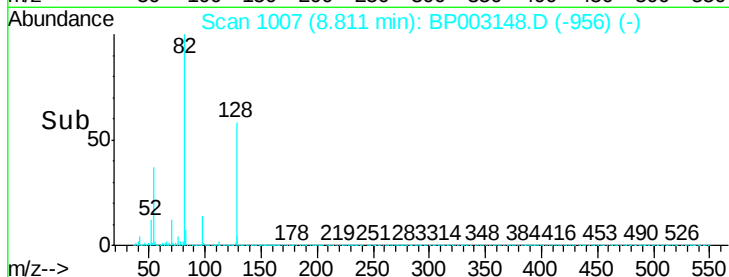
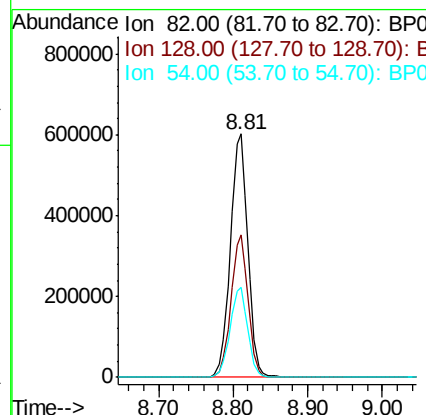
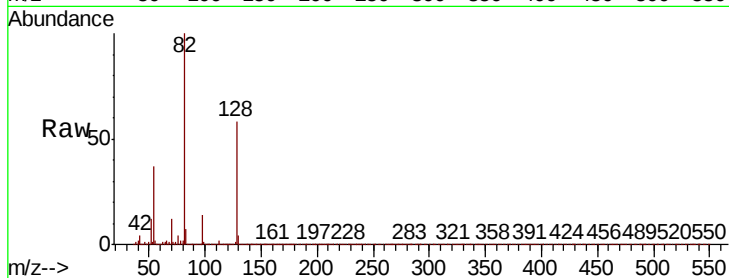




#23  
 Nitrobenzene-d5  
 Concen: 80.337 ng  
 RT: 8.81 min Scan# 1007  
 Delta R.T. 0.00 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 12:17

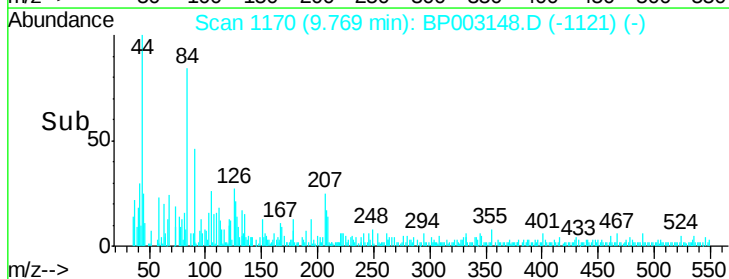
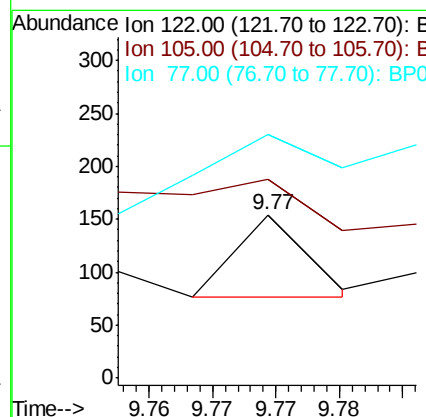
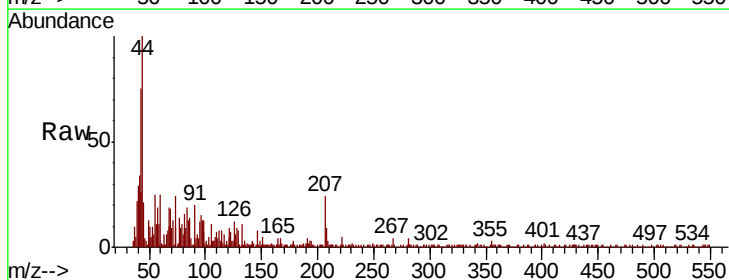
Instrument :  
 BNA\_P  
 ClientSampleId :

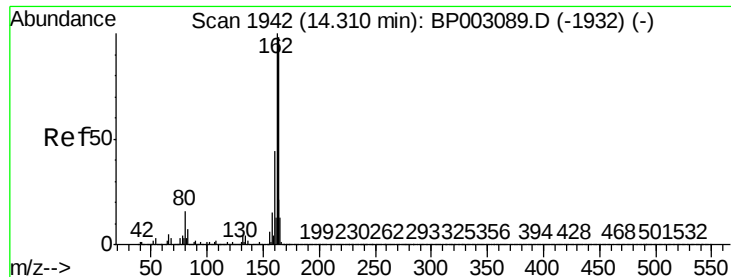
| Tot Ion   | 82    | Resp  | 986716 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 58.4  | 44.9  | 67.3   |
| 54        | 36.9  | 29.4  | 44.2   |



#32  
 Benzoic acid  
 Concen: 9.000 ng  
 RT: 9.77 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 12:17

| Tgt Ion   | 122   | Resp  | 30    |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 105       | 122.1 | 98.1  | 138.1 |
| 77        | 149.4 | 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: BP003148.D

Acq: 28 Aug 2020 12:17

Instrument :

BNA\_P

ClientSampleId :

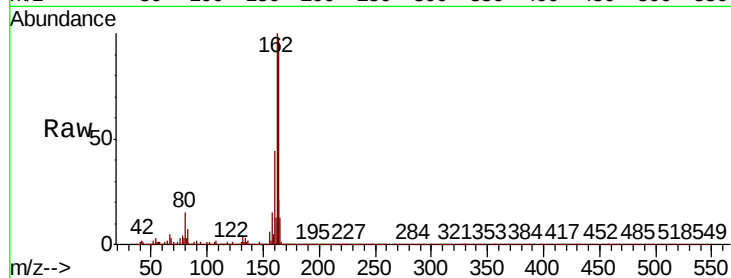
Tot Ion:164 Resp: 484934

Ion Ratio Lower Upper

164 100

162 103.3 81.2 121.8

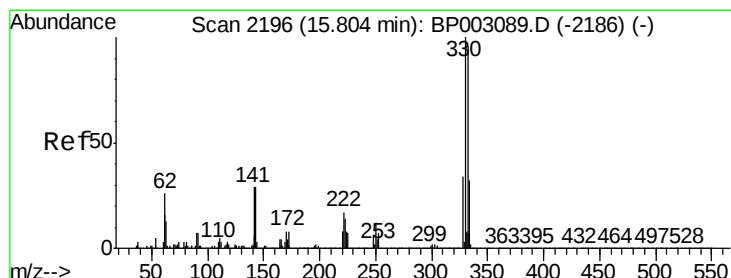
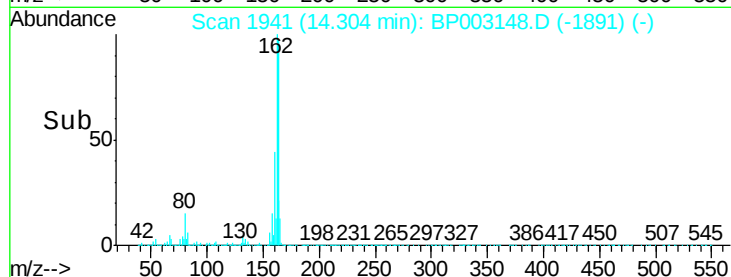
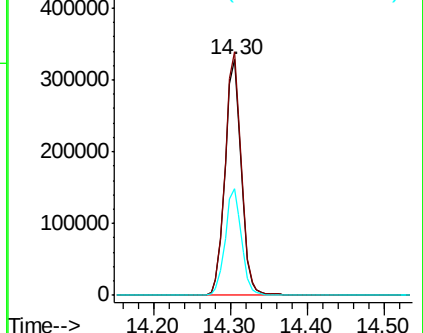
160 45.3 36.0 54.0



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



#42

2,4,6-Tribromophenol

Concen: 119.380 ng

RT: 15.80 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 12:17

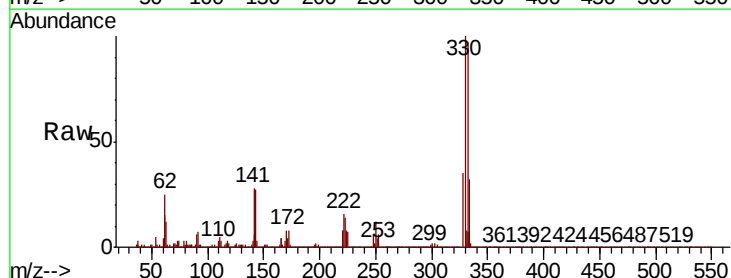
Tgt Ion:330 Resp: 782967

Ion Ratio Lower Upper

330 100

332 96.6 77.3 115.9

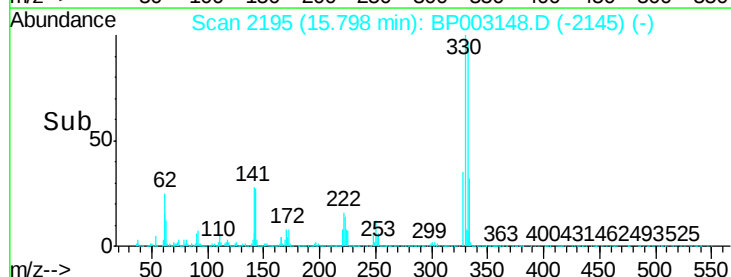
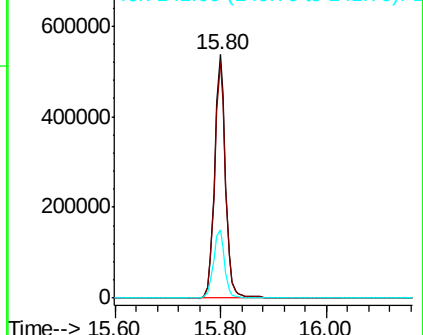
141 28.6 24.4 36.6

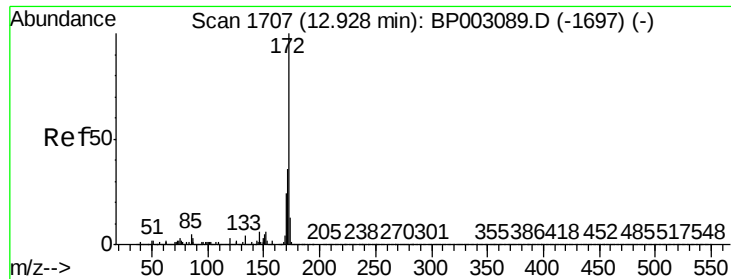


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

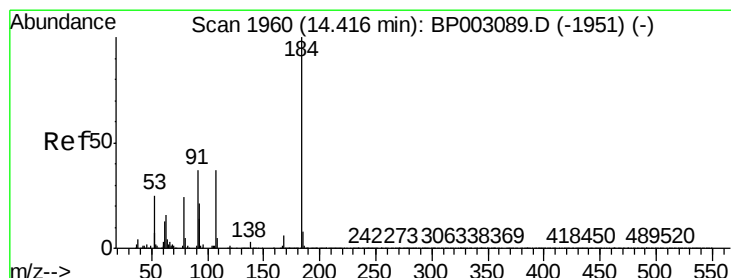
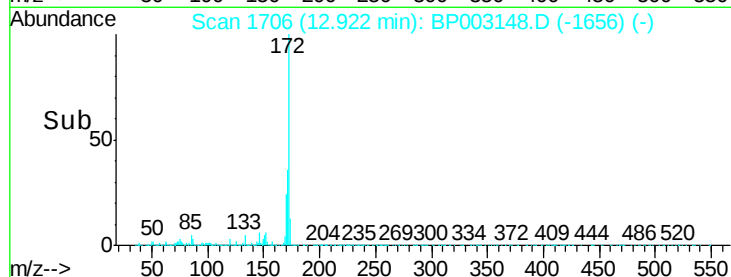
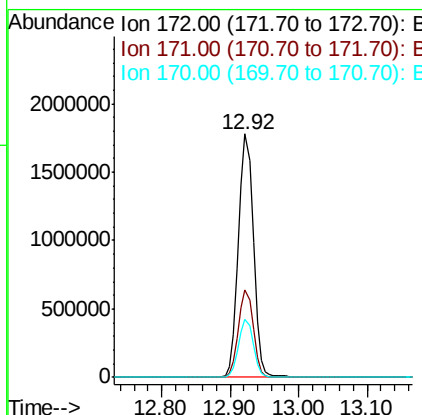
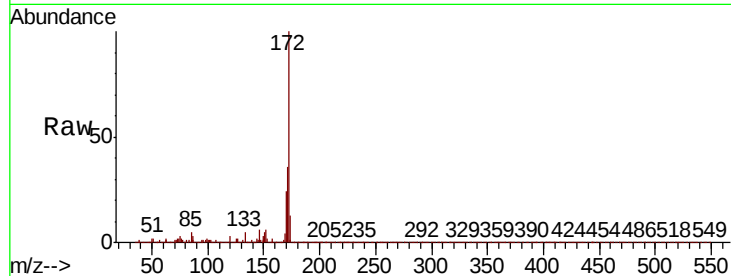




#45  
2-Fluorobiphenyl  
Concen: 81.467 ng  
RT: 12.92 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 12:17

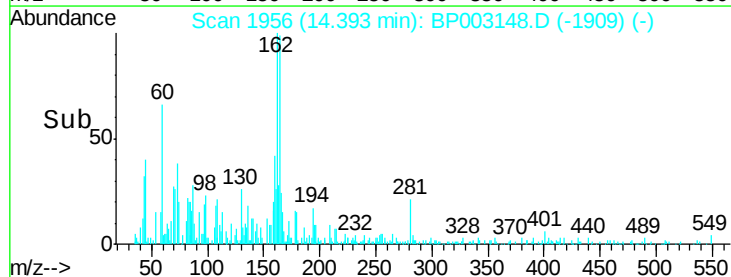
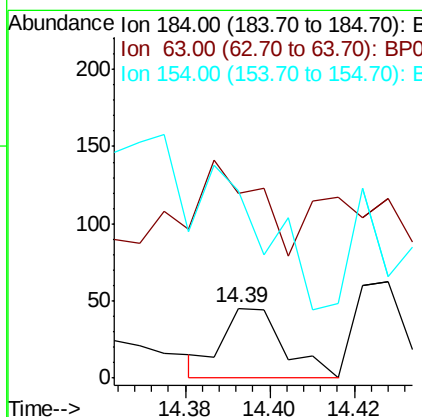
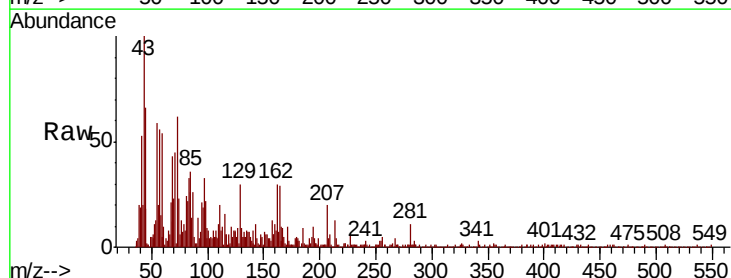
Instrument :  
BNA\_P  
ClientSampleId :

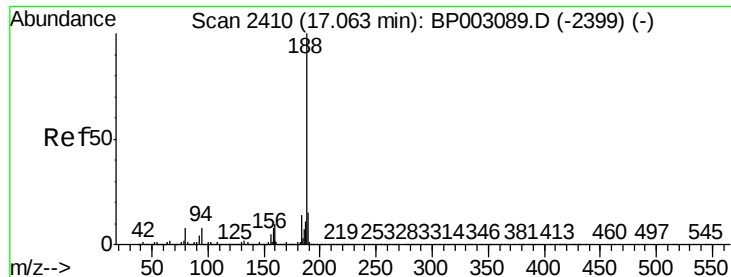
Tot Ion:172 Resp: 2697662  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.7 43.1  
170 23.8 19.0 28.4



#54  
2,4-Dinitrophenol  
Concen: 7.765 ng  
RT: 14.39 min Scan# 1956  
Delta R.T. -0.02 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 12:17

Tgt Ion:184 Resp: 45  
Ion Ratio Lower Upper  
184 100  
63 266.7 32.0 48.0#  
154 268.9 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: BP003148.D

Acq: 28 Aug 2020 12:17

Instrument :

BNA\_P

ClientSampleId :

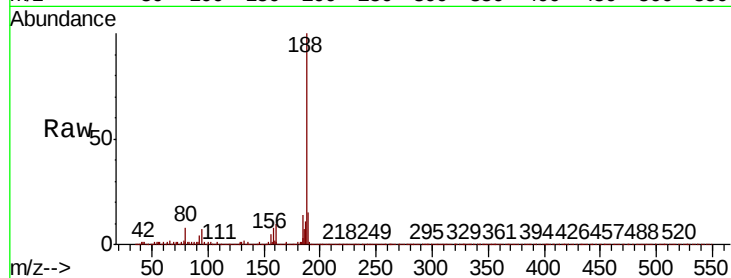
Tot Ion:188 Resp: 890688

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

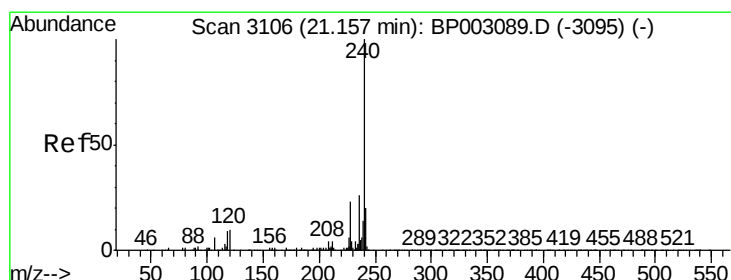
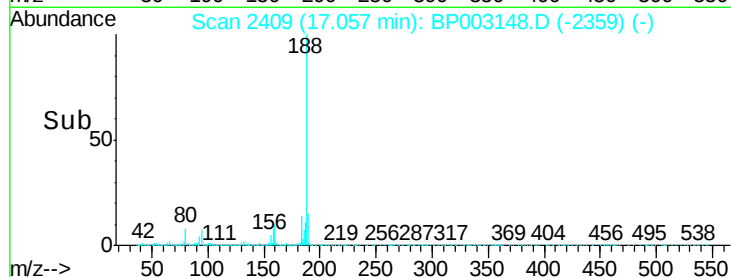
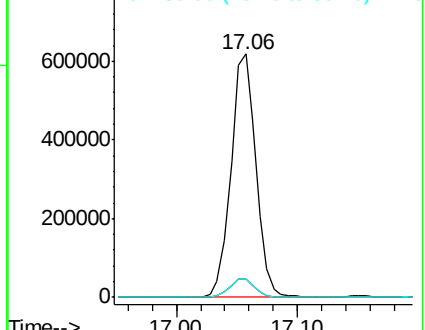
80 7.6 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 12:17

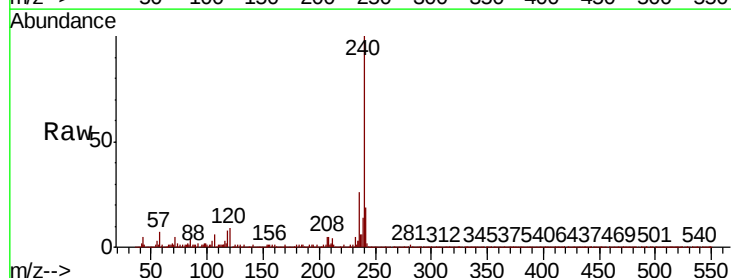
Tgt Ion:240 Resp: 766575

Ion Ratio Lower Upper

240 100

120 9.3 8.4 12.6

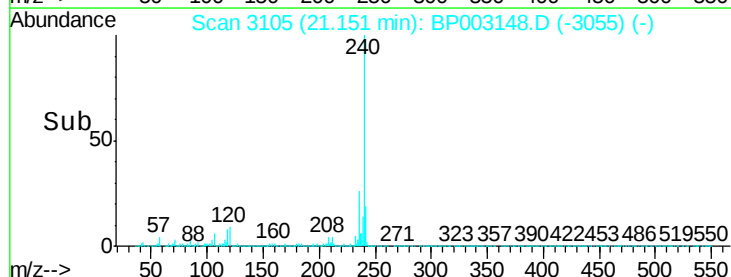
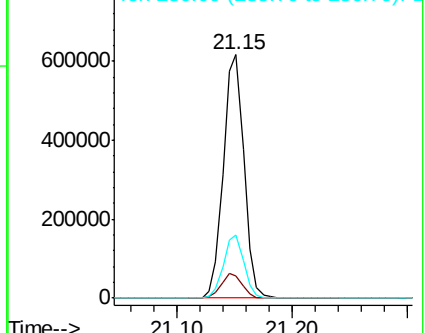
236 25.9 20.6 31.0

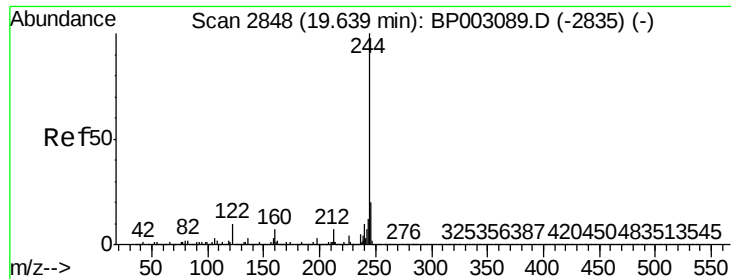


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

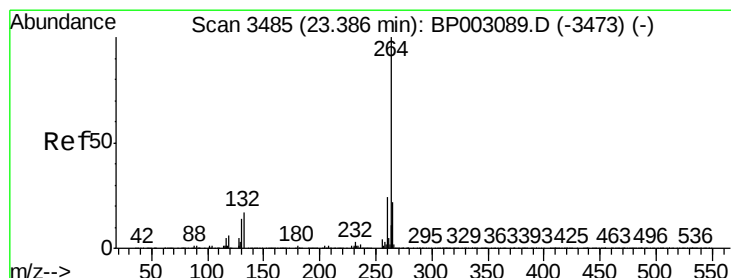
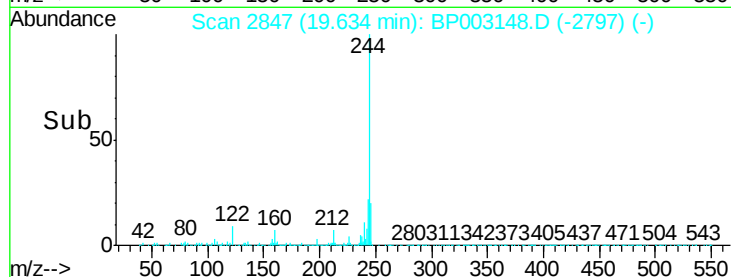
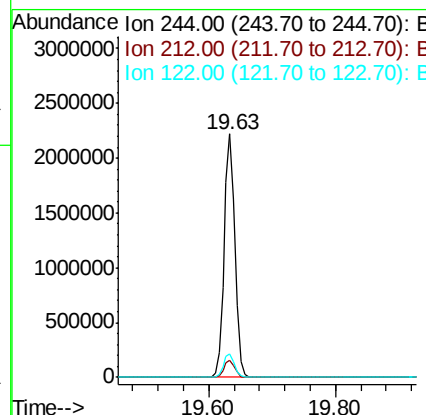
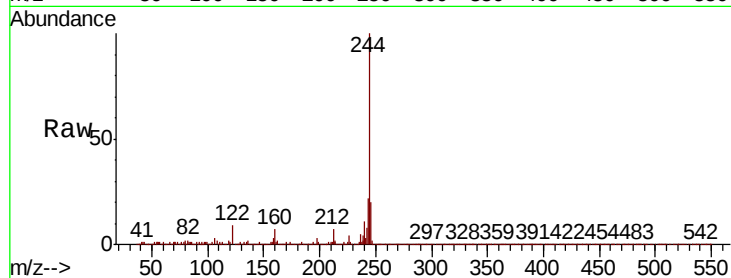




#79  
 Terphenyl-d14  
 Concen: 76.792 ng  
 RT: 19.63 min Scan# 2847  
 Delta R.T. -0.01 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 12:17

Instrument :  
 BNA\_P  
 ClientSampled :

Tot Ion:244 Resp: 2675243  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 9.5 7.7 11.5



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.39 min Scan# 3485  
 Delta R.T. 0.00 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 12:17

Tgt Ion:264 Resp: 943893  
 Ion Ratio Lower Upper  
 264 100  
 260 24.0 19.0 28.6  
 265 21.9 17.7 26.5

