

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082820\  
 Data File : BP003148.D  
 Acq On : 28 Aug 2020 13:06  
 Operator : CG/JU  
 Sample : PB131230BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Aug 28 14:11:47 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

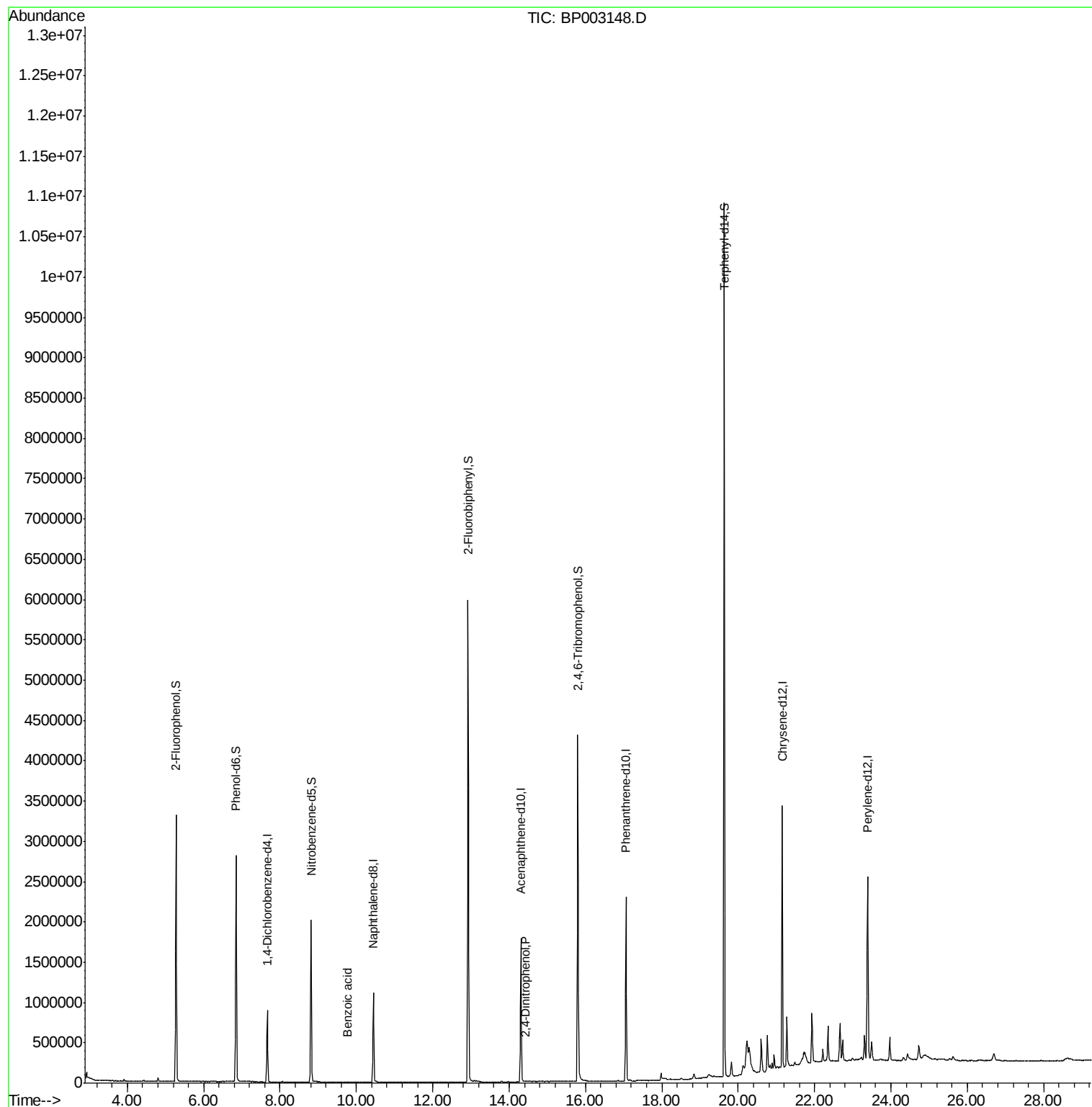
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 270582   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.44 | 136  | 1061368  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.30 | 164  | 658524   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.06 | 188  | 1463469  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.15 | 240  | 1630659  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.39 | 264  | 1777645  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1712361  | 111.89 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 1989313  | 103.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.81  | 82   | 1174759  | 79.79  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.80 | 330  | 1058839  | 118.89 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.92 | 172  | 3414662  | 75.94  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.64 | 244  | 5226107  | 70.52  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.76  | 122  | 34       | 9.000  | ng    | # 1      |
| 54) 2,4-Dinitrophenol       | 14.42 | 184  | 18       | 7.758  | ng    | # 1      |

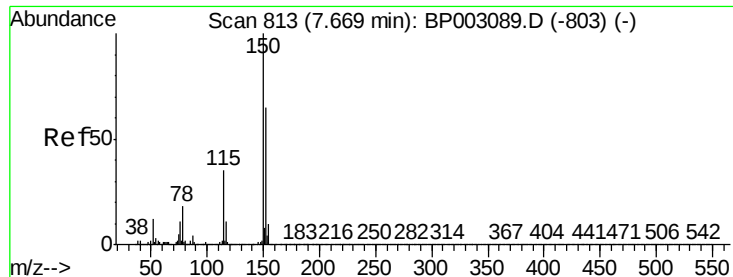
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :  
BNA\_P  
ClientSampleId :

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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



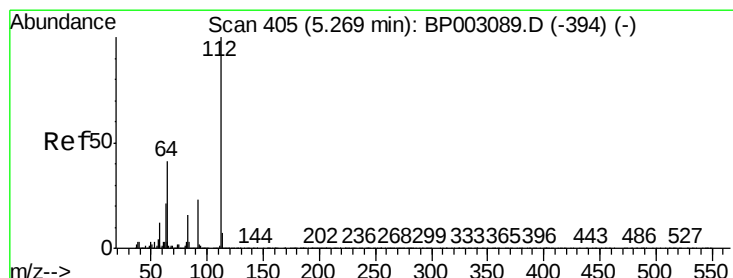
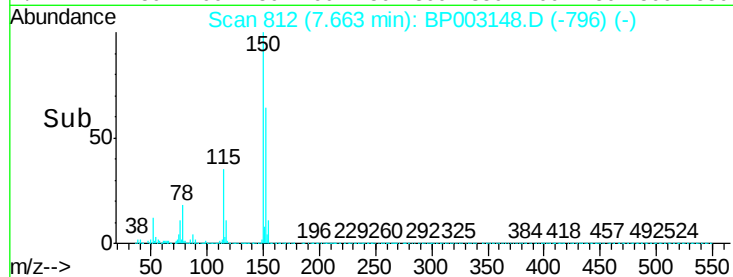
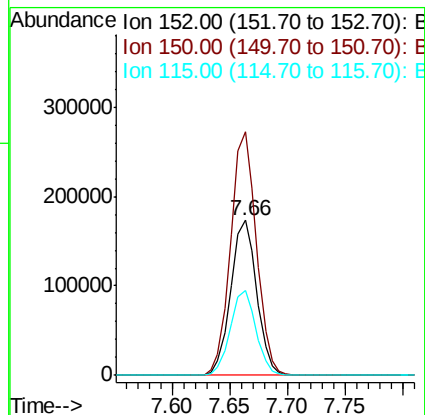
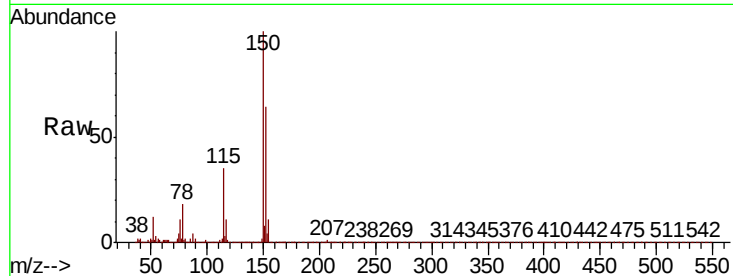


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 13:06

Instrument :  
BNA\_P  
ClientSampleId :

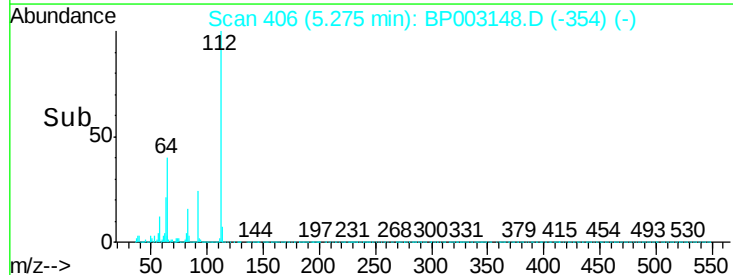
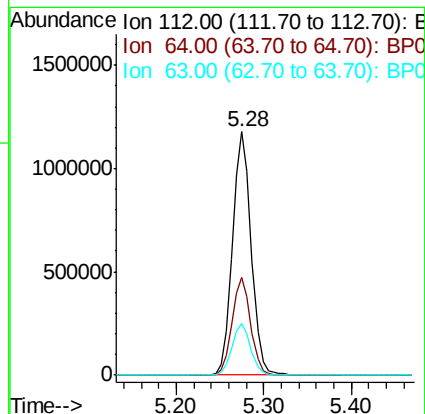
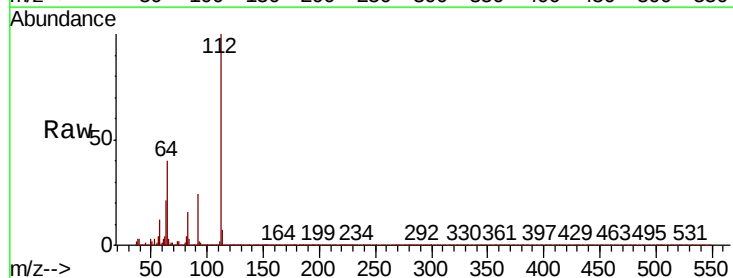
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.9 | 123.1 | 184.7 |
| 115     | 55.1  | 42.8  | 64.2  |

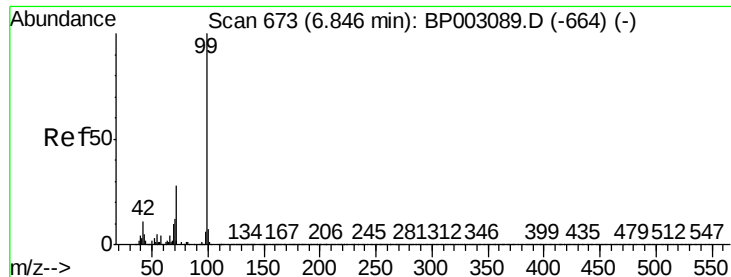


#5

2-Fluorophenol  
Concen: 111.888 ng  
RT: 5.28 min Scan# 406  
Delta R.T. 0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 13:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 40.2  | 33.0  | 49.6  |
| 63      | 21.0  | 16.9  | 25.3  |





#7

Phenol-d6

Concen: 103.692 ng

RT: 6.85 min Scan# 674

Delta R.T. 0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 13:06

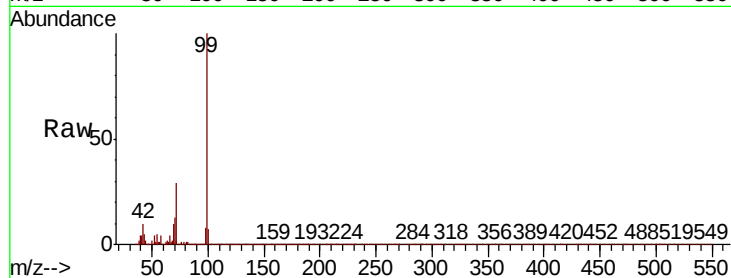
Instrument :

BNA\_P

ClientSampleId :

Tot Ion: 99 Resp: 1989313

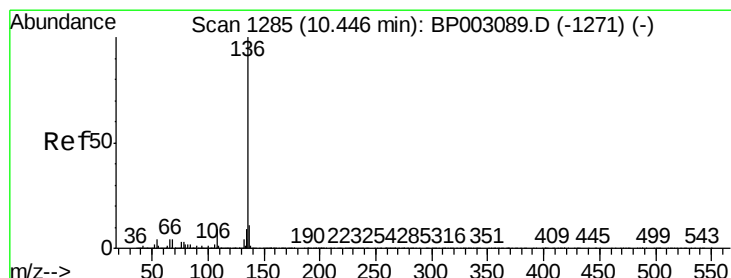
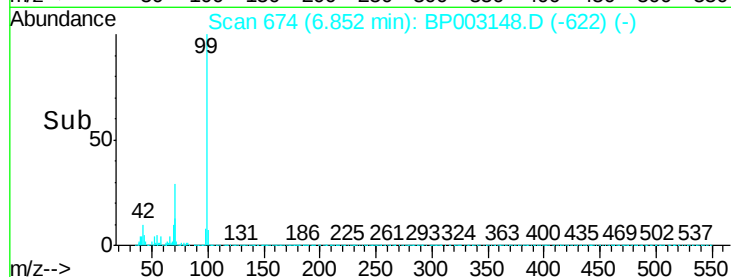
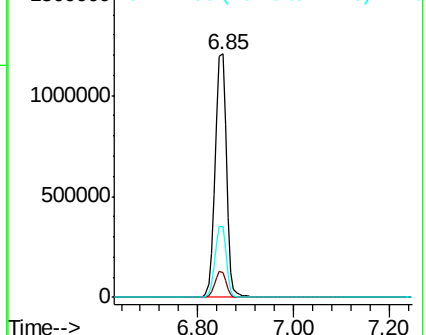
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.4  | 8.5   | 12.7  |
| 71  | 29.3  | 22.8  | 34.2  |



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

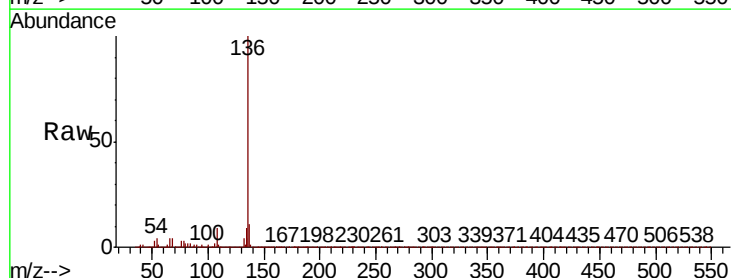
Delta R.T. -0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 13:06

Tgt Ion: 136 Resp: 1061368

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 4.4   | 3.5   | 5.3   |
| 68  | 4.1   | 3.2   | 4.8   |

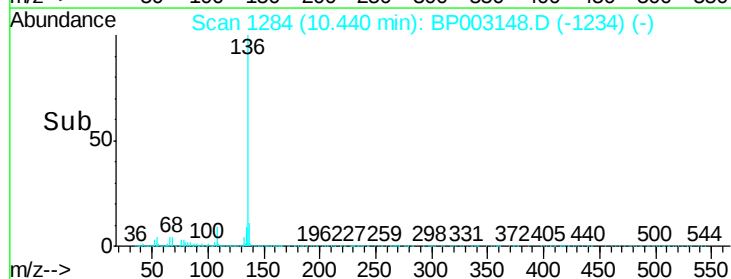
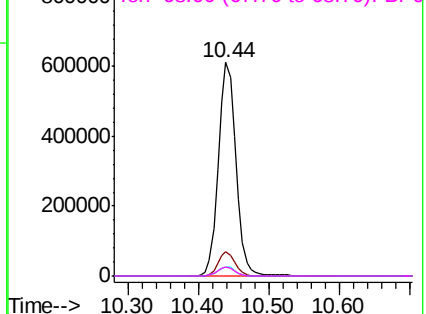


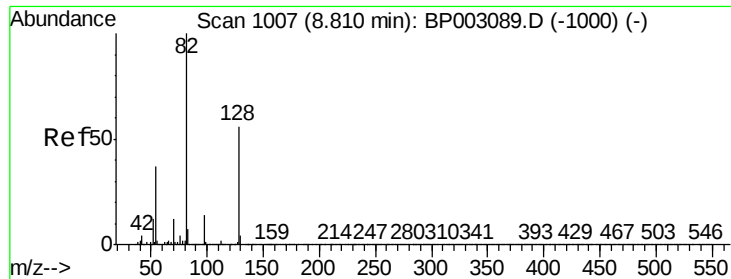
Abundance Ion 136.00 (135.70 to 136.70): E

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



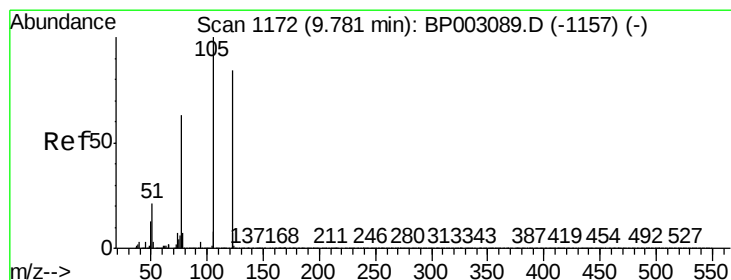
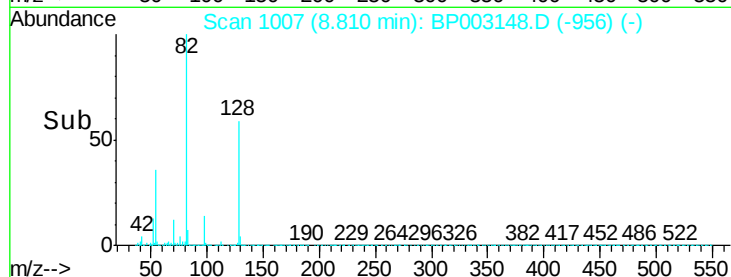
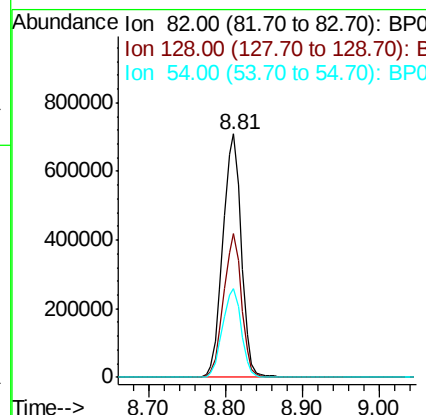
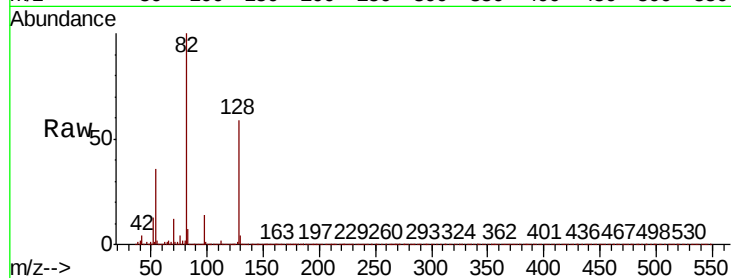


#23  
 Nitrobenzene-d5  
 Concen: 79.792 ng  
 RT: 8.81 min Scan# 1007  
 Delta R.T. 0.00 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 13:06

Instrument :  
 BNA\_P  
 ClientSampled :

Tot Ion: 82 Resp: 1174759  

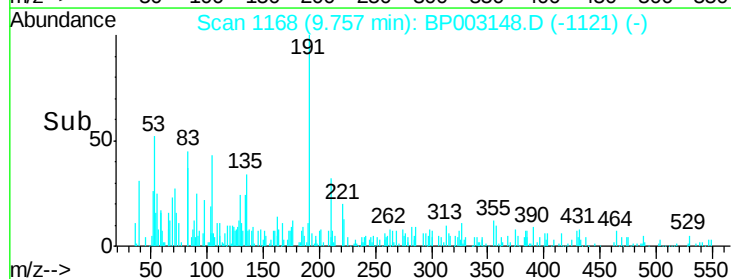
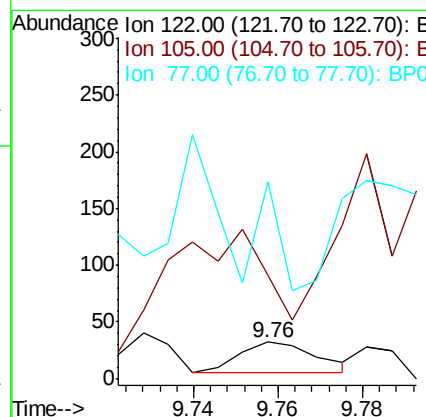
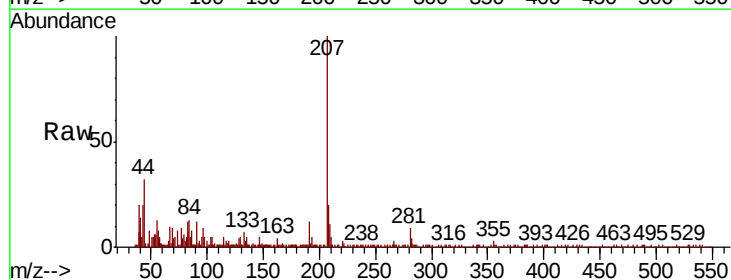
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 58.8  | 44.9  | 67.3  |
| 54  | 36.5  | 29.4  | 44.2  |

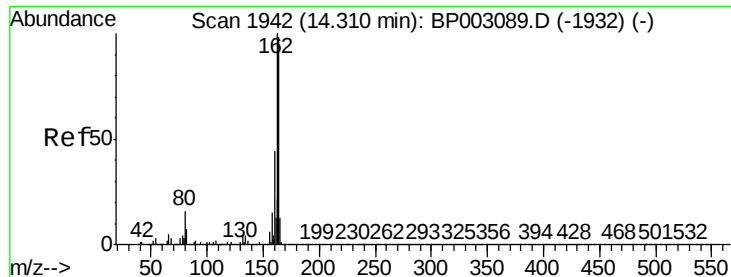


#32  
 Benzoic acid  
 Concen: 9.000 ng  
 RT: 9.76 min Scan# 1168  
 Delta R.T. -0.02 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 13:06

Tgt Ion: 122 Resp: 34  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 122 | 100   |       |        |
| 105 | 168.5 | 98.1  | 138.1# |
| 77  | 320.4 | 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 13:06

Instrument :

BNA\_P

ClientSampleId :

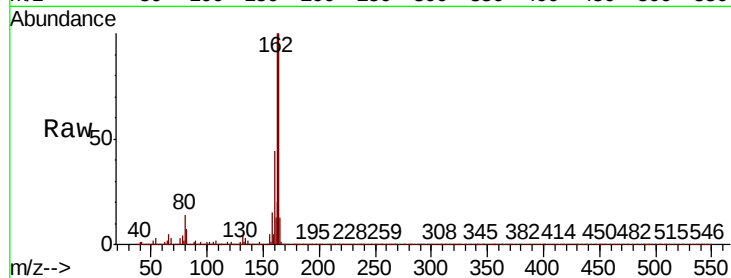
Tot Ion:164 Resp: 658524

Ion Ratio Lower Upper

164 100

162 99.9 81.2 121.8

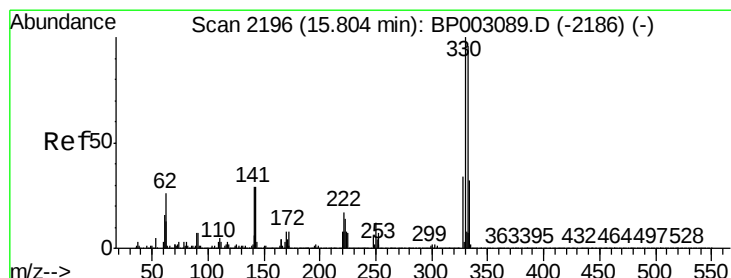
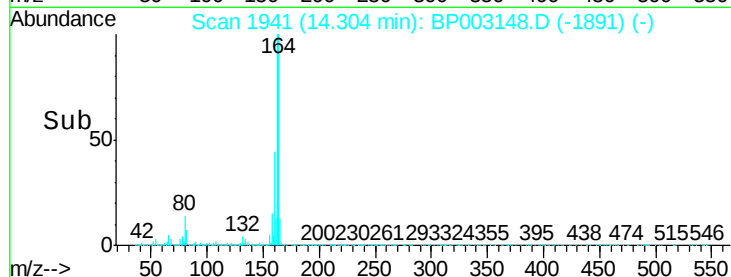
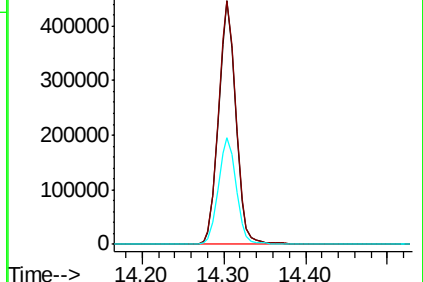
160 43.9 36.0 54.0



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: 118.886 ng

RT: 15.80 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BP003148.D

Acq: 28 Aug 2020 13:06

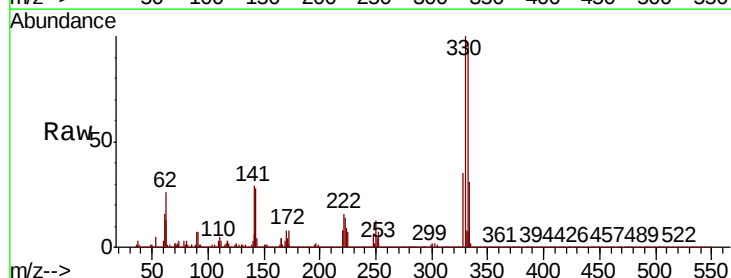
Tgt Ion:330 Resp: 1058839

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

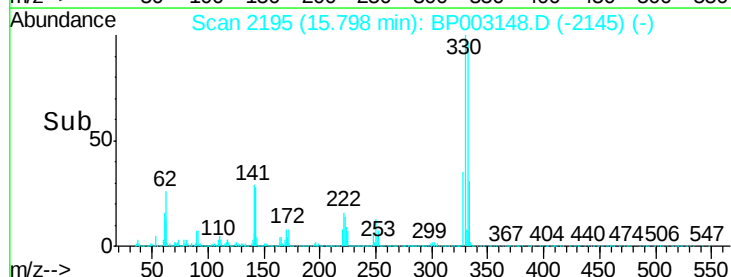
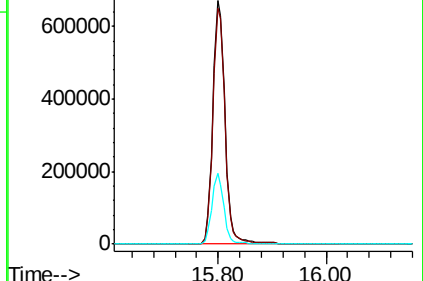
141 28.6 24.4 36.6

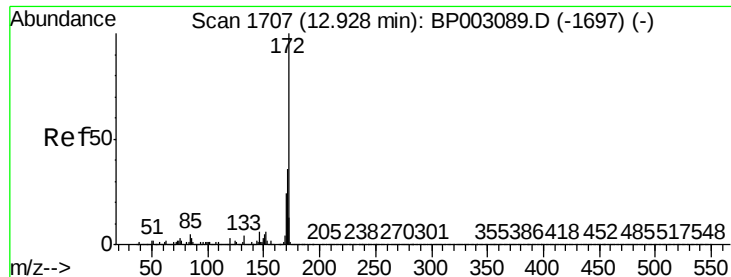


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

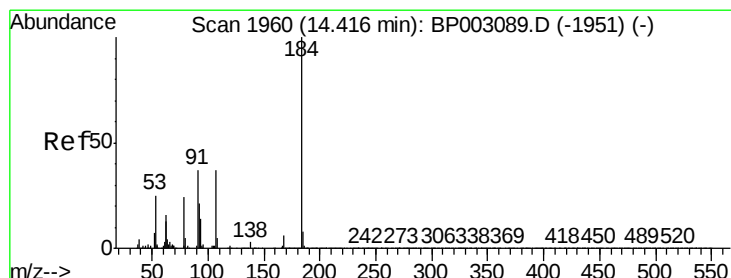
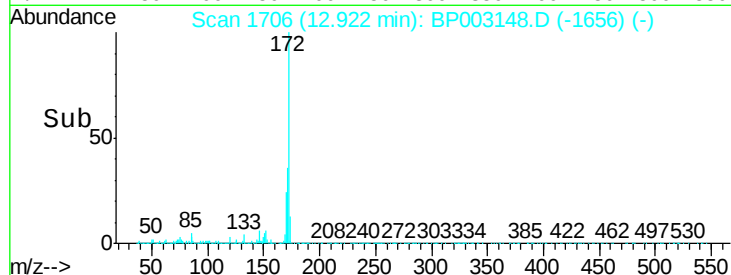
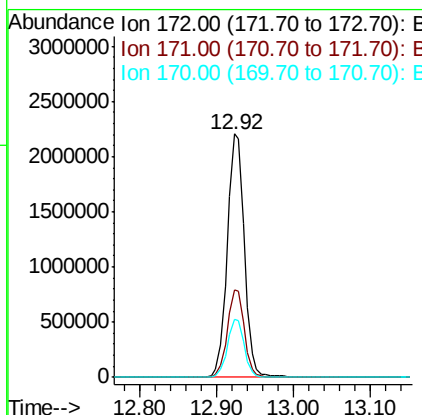
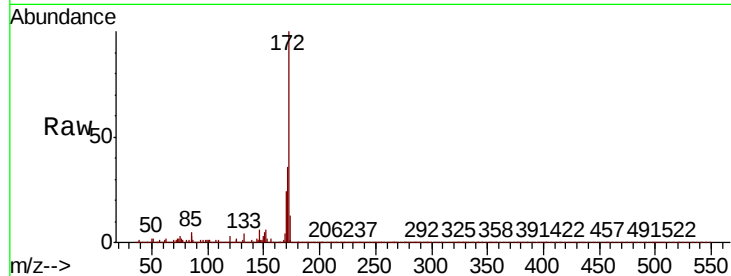




#45  
2-Fluorobiphenyl  
Concen: 75.937 ng  
RT: 12.92 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 13:06

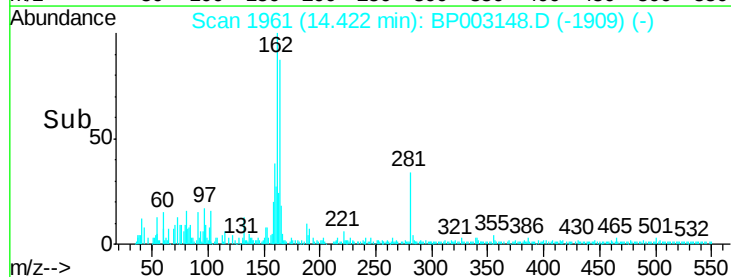
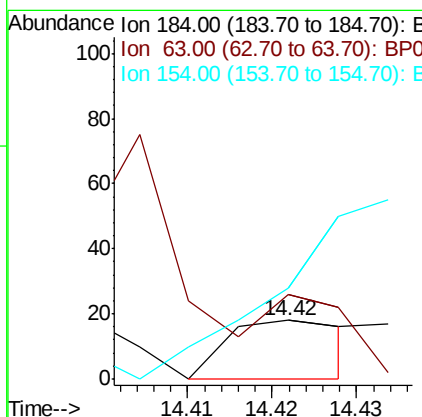
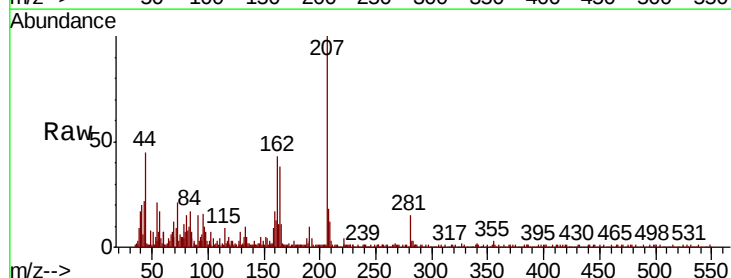
Instrument :  
BNA\_P  
ClientSampleId :

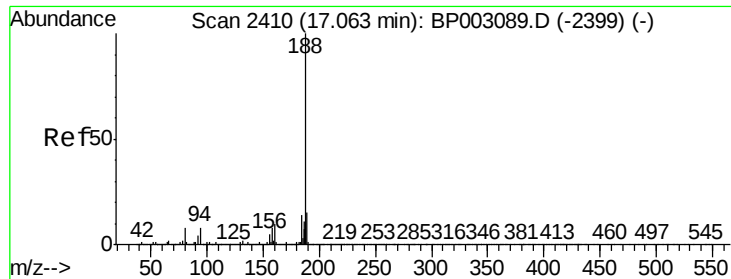
Tot Ion:172 Resp: 3414662  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.7 43.1  
170 23.7 19.0 28.4



#54  
2,4-Dinitrophenol  
Concen: 7.758 ng  
RT: 14.42 min Scan# 1961  
Delta R.T. 0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 13:06

Tgt Ion:184 Resp: 18  
Ion Ratio Lower Upper  
184 100  
63 144.4 32.0 48.0#  
154 155.6 48.2 72.2#

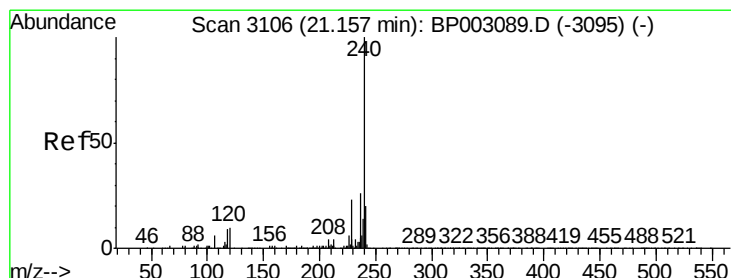
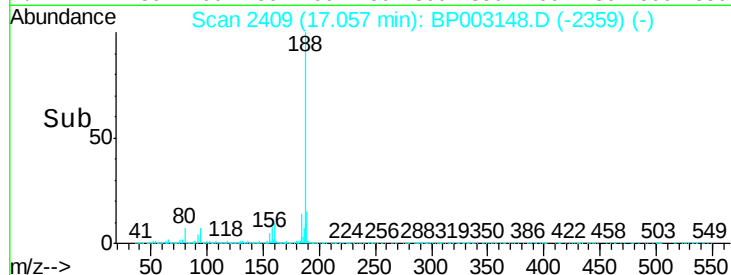
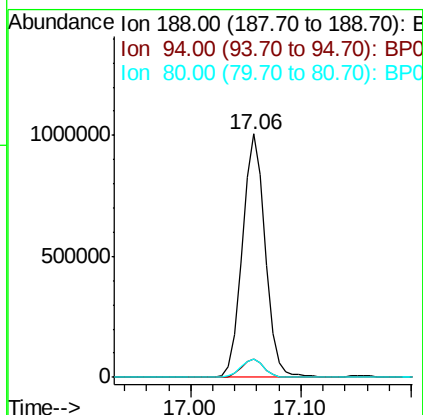
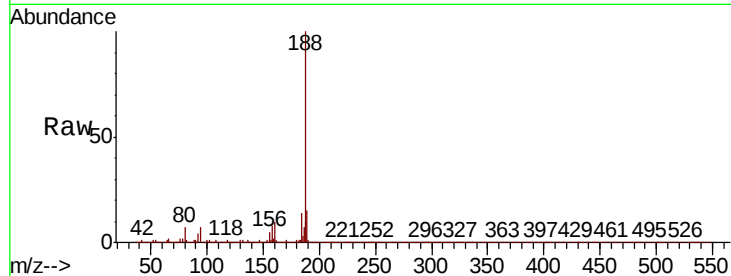




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.06 min Scan# 2409  
Delta R.T. -0.01 min  
Lab File: BP003148.D  
Acq: 28 Aug 2020 13:06

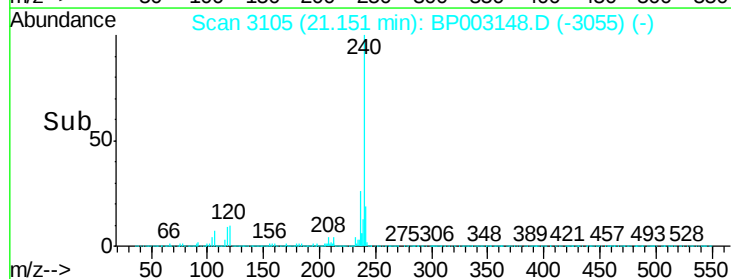
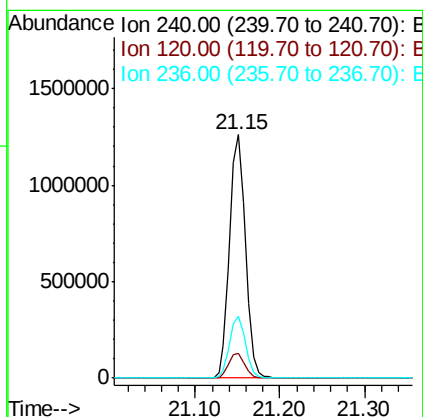
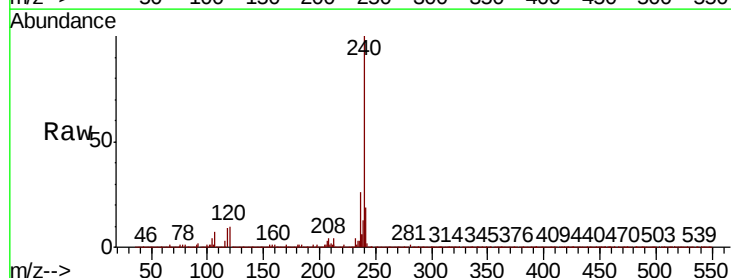
Instrument :  
BNA\_P  
ClientSampleId :

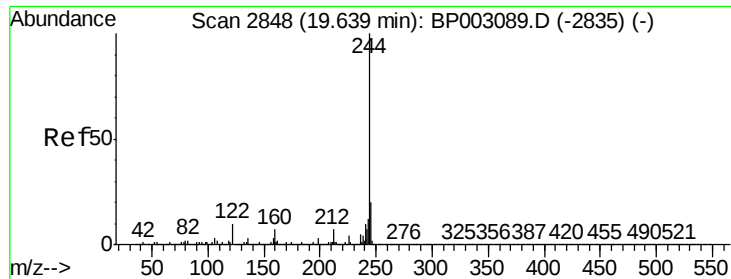
Tot Ion:188 Resp: 1463469  
Ion Ratio Lower Upper  
188 100  
94 7.5 6.2 9.4  
80 7.4 6.4 9.6



#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 13:06

Tgt Ion:240 Resp: 1630659  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.4 12.6  
236 25.6 20.6 31.0

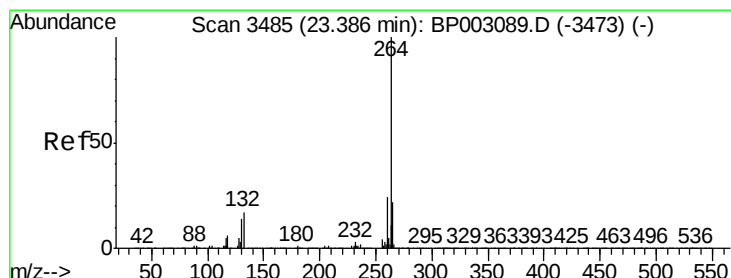
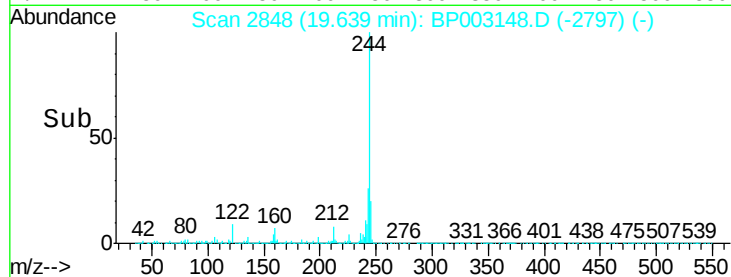
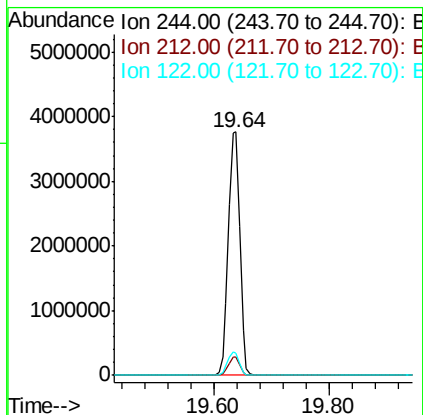
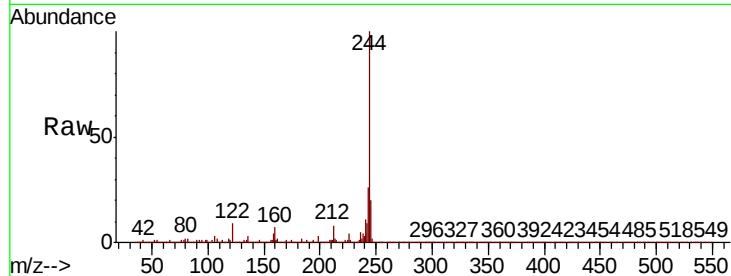




#79  
 Terphenyl-d14  
 Concen: 70.522 ng  
 RT: 19.64 min Scan# 2848  
 Delta R.T. 0.00 min  
 Lab File: BP003148.D  
 Acq: 28 Aug 2020 13:06

Instrument :  
 BNA\_P  
 ClientSampleId :

Tot Ion:244 Resp: 5226107  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.8 8.8  
 122 9.0 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 13:06

Tgt Ion:264 Resp: 1777645  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.0 28.6  
 265 21.7 17.7 26.5

