

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121019\  
 Data File : BP001296.D  
 Acq On : 10 Dec 2019 13:34  
 Operator : JU  
 Sample : PB125342BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :

Quant Time: Dec 11 03:54:34 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 05 12:34:47 2019  
 Response via : Initial Calibration

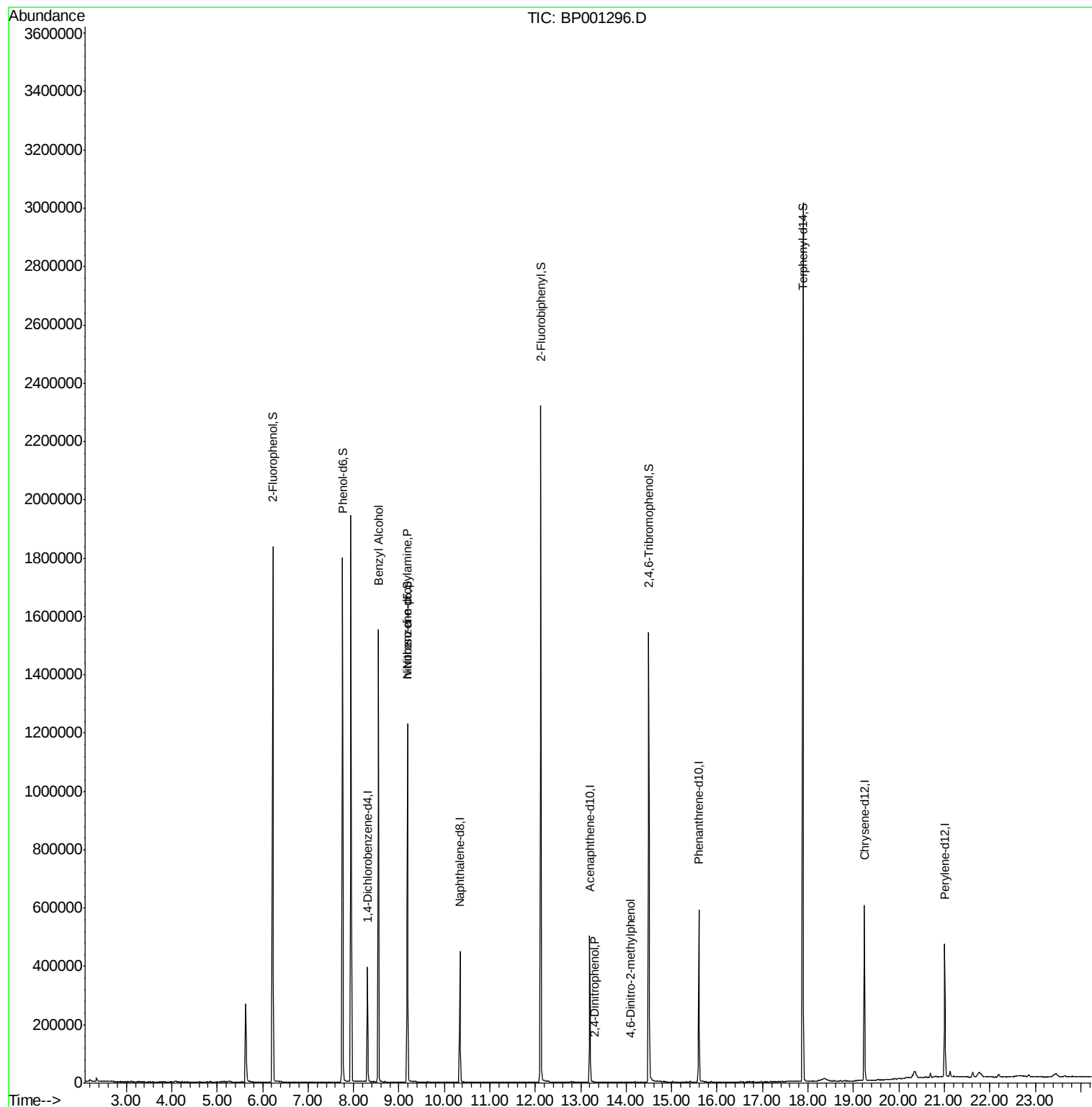
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.30  | 152  | 62551    | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 10.34 | 136  | 229746   | 20.00     | ng     | -0.01    |
| 39) Acenaphthene-d10           | 13.20 | 164  | 136108   | 20.00     | ng     | -0.01    |
| 64) Phenanthrene-d10           | 15.60 | 188  | 268768   | 20.00     | ng     | -0.01    |
| 76) Chrysene-d12               | 19.24 | 240  | 220488   | 20.00     | ng     | -0.02    |
| 87) Perylene-d12               | 21.01 | 264  | 236978   | 20.00     | ng     | -0.02    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 6.22  | 112  | 538487   | 142.83    | ng     | 0.01     |
| 7) Phenol-d6                   | 7.76  | 99   | 727068   | 144.75    | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 515014   | 97.26     | ng     | -0.01    |
| 42) 2,4,6-Tribromophenol       | 14.50 | 330  | 210214   | 161.13    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.12 | 172  | 882487   | 94.89     | ng     | -0.01    |
| 79) Terphenyl-d14              | 17.89 | 244  | 1137202  | 95.42     | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 7.60  | 77   | 50       | Below Cal | Qvalue | # 31     |
| 15) Benzyl Alcohol             | 8.55  | 79   | 10710    | 2.598 ng  | #      | 64       |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 74567    | 20.574 ng | #      | 79       |
| 54) 2,4-Dinitrophenol          | 13.30 | 184  | 5        | 7.114 ng  | #      | 1        |
| 65) 4,6-Dinitro-2-methylphenol | 14.09 | 198  | 22       | 6.293 ng  | #      | 63       |

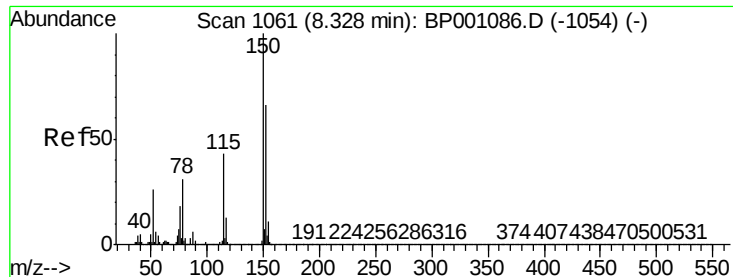
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121019\  
Data File : BP001296.D  
Acq On : 10 Dec 2019 13:34  
Operator : JU  
Sample : PB125342BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :

Quant Time: Dec 11 03:54:34 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 05 12:34:47 2019  
Response via : Initial Calibration



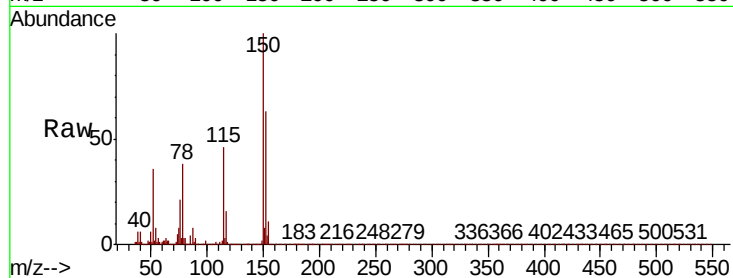


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.30 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 127.3 | 190.9 |
| 115     | 73.6  | 56.0  | 84.0  |

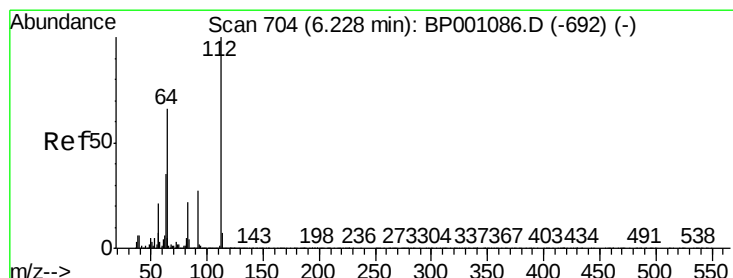
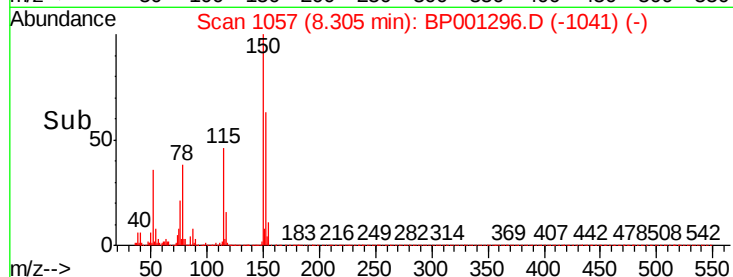
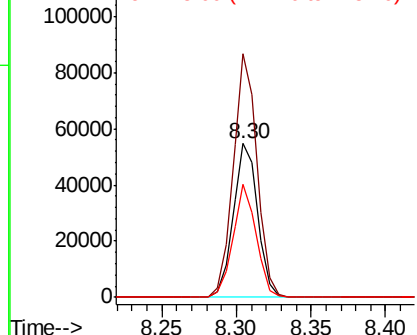


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

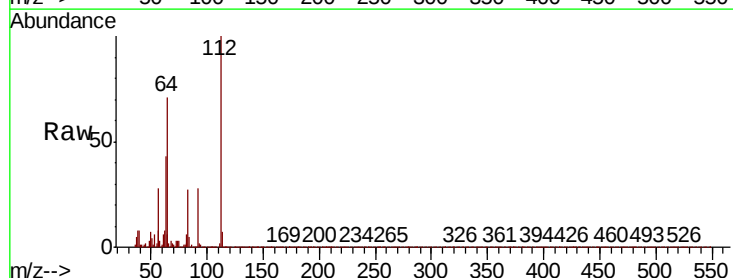
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 142.826 ng  
RT: 6.22 min Scan# 703  
Delta R.T. 0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 70.9  | 56.8  | 85.2  |
| 63      | 43.2  | 32.2  | 48.2  |

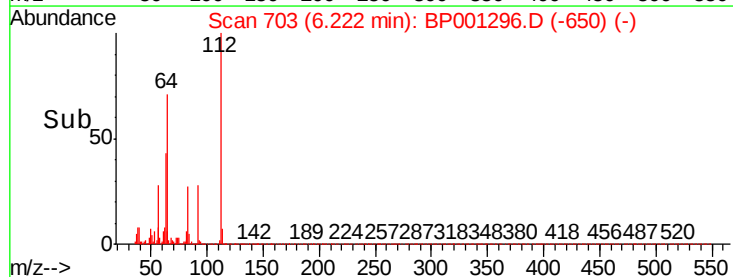
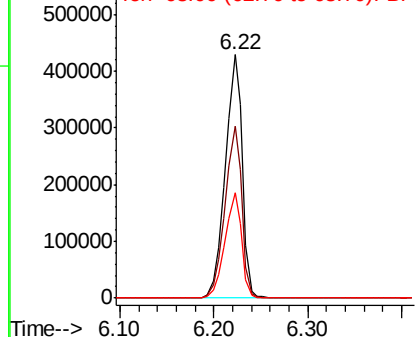


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 144.752 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

Instrument :

BNA\_P

ClientSampleId :

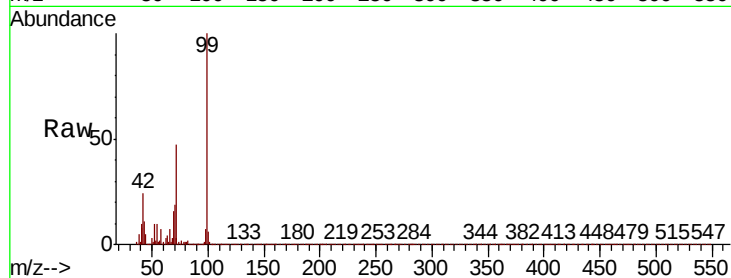
Tot Ion: 99 Resp: 727068

Ion Ratio Lower Upper

99 100

42 23.7 17.6 26.4

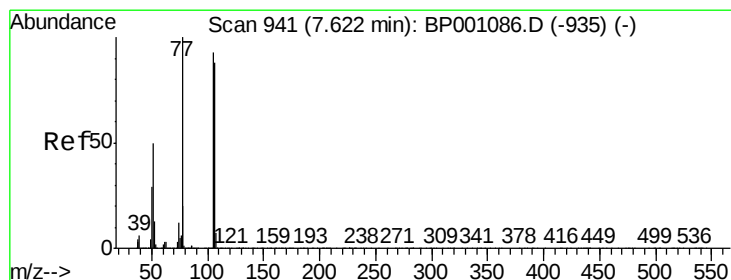
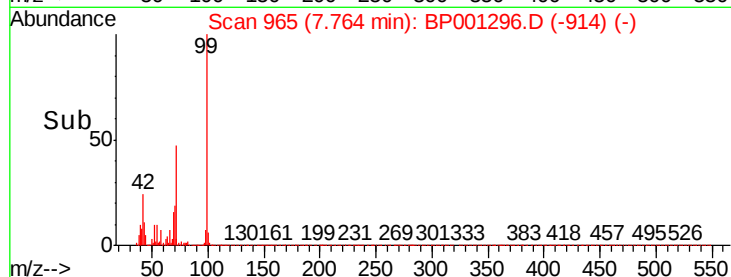
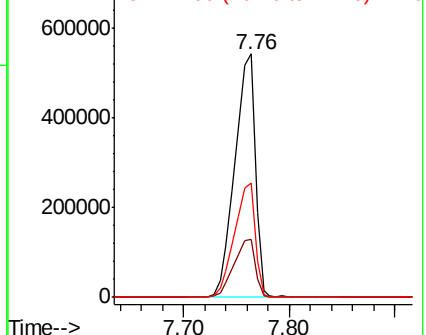
71 46.9 33.8 50.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

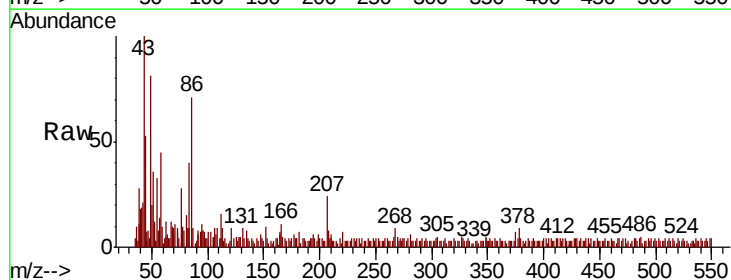
Tgt Ion: 77 Resp: 50

Ion Ratio Lower Upper

77 100

105 17.7 69.7 109.7#

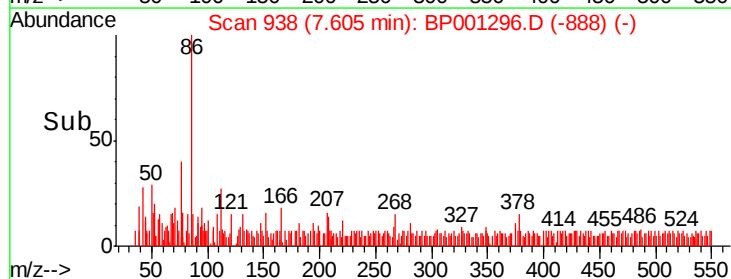
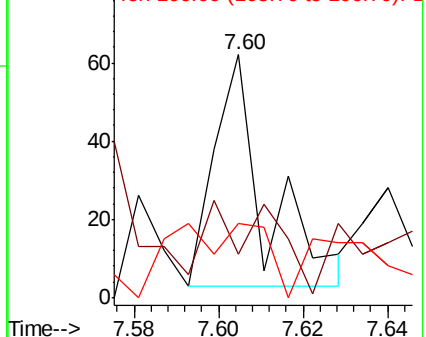
106 30.6 67.1 107.1#

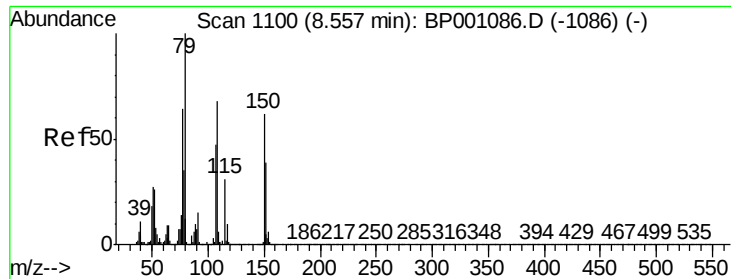


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

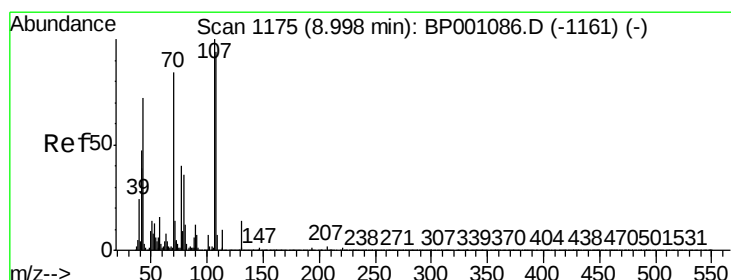
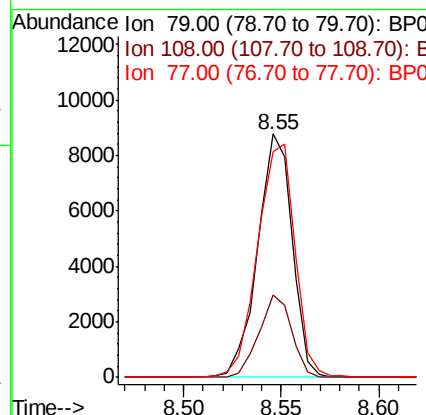
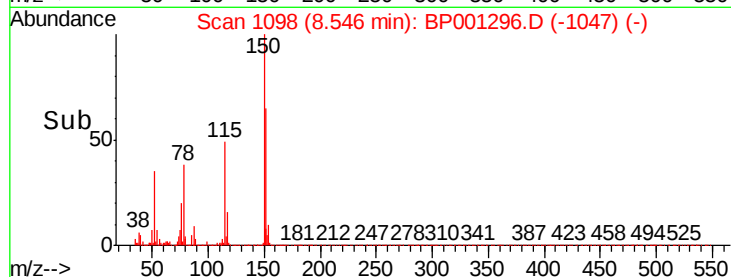
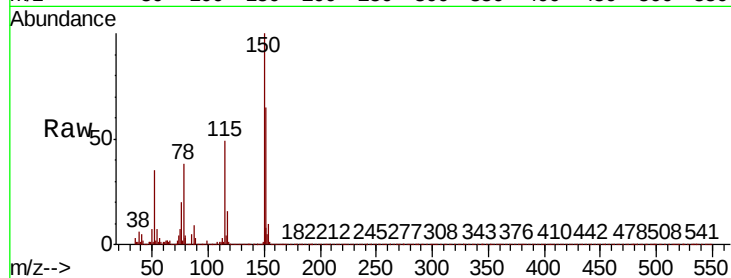




#15  
Benzyl Alcohol  
Concen: 2.598 ng  
RT: 8.55 min Scan# 1098  
Delta R.T. 0.00 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

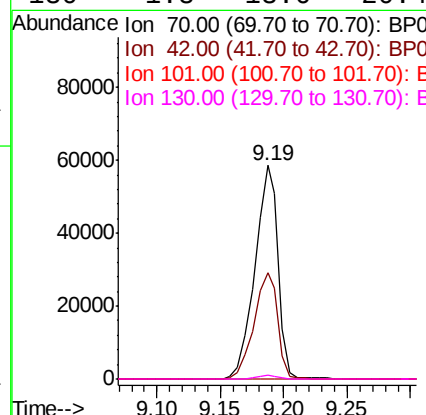
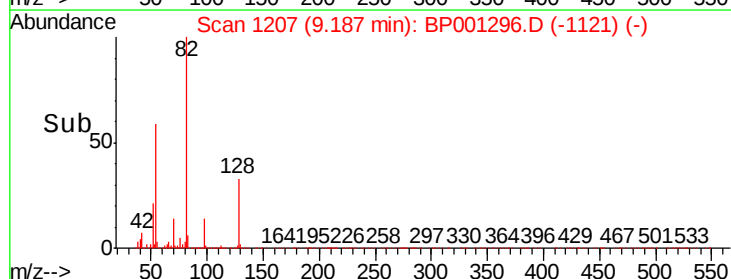
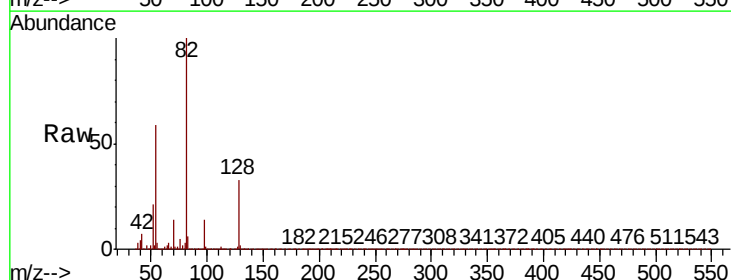
Instrument :  
BNA\_P  
ClientSampleId :

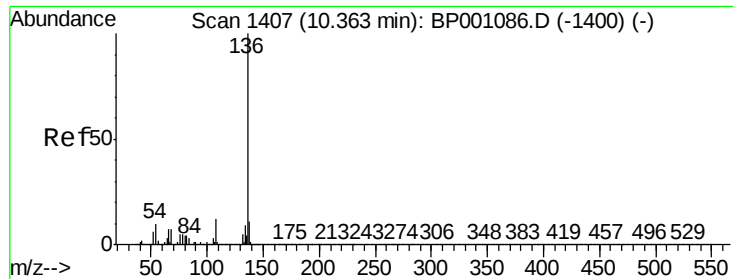
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 33.9  | 51.6  | 77.4# |
| 77      | 92.7  | 53.5  | 80.3# |



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.574 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. 0.21 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 50.0  | 50.6  | 76.0# |
| 101     | 0.0   | 7.1   | 10.7# |
| 130     | 1.8   | 13.6  | 20.4# |

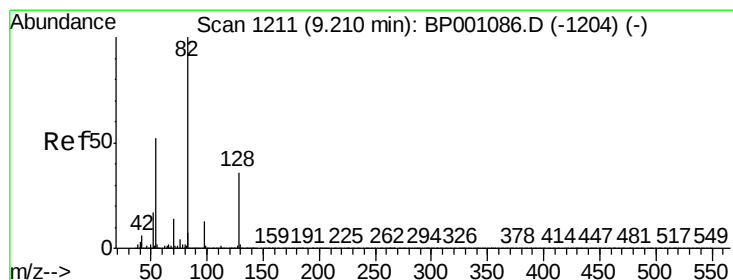
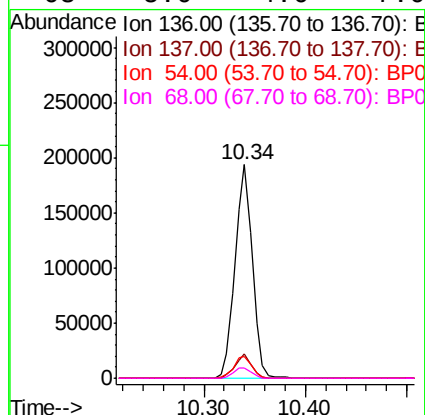
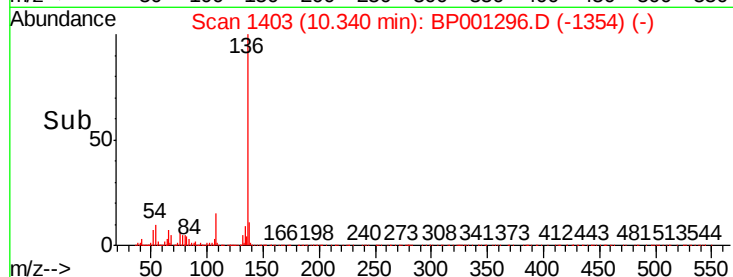
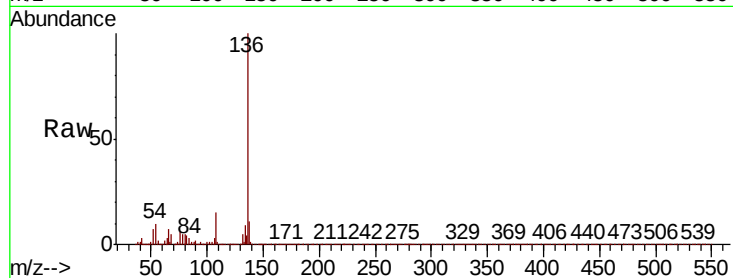




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

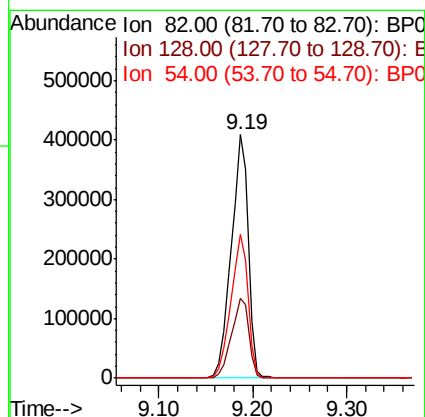
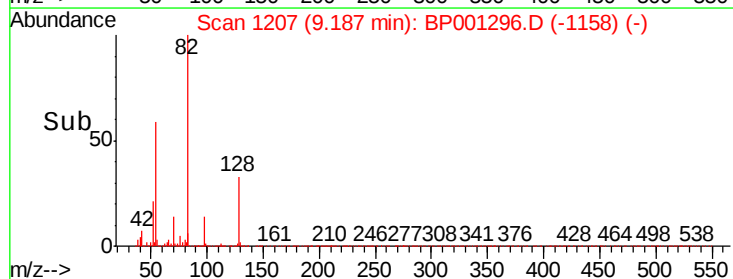
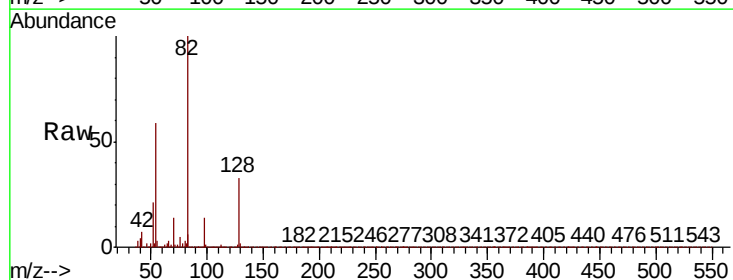
Instrument :  
BNA\_P  
ClientSampleId :

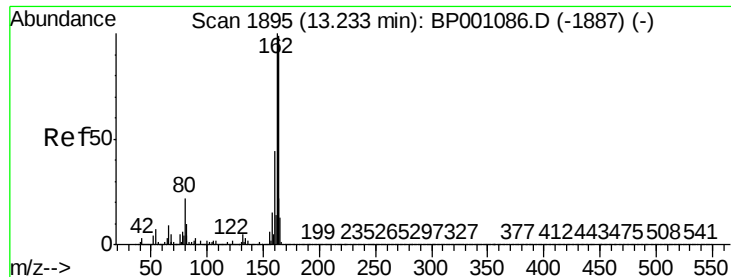
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 229746 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.2    | 8.4   | 12.6   |
| 54 10.3     | 7.4   | 11.0   |
| 68 5.0      | 4.6   | 7.0    |



#23  
Nitrobenzene-d5  
Concen: 97.257 ng  
RT: 9.19 min Scan# 1207  
Delta R.T. -0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 82 | Resp: | 515014 |
| Ion | Ratio   | Lower | Upper  |
| 82  | 100     |       |        |
| 128 | 33.0    | 27.5  | 41.3   |
| 54  | 58.8    | 45.7  | 68.5   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

Instrument :

BNA\_P

ClientSampled :

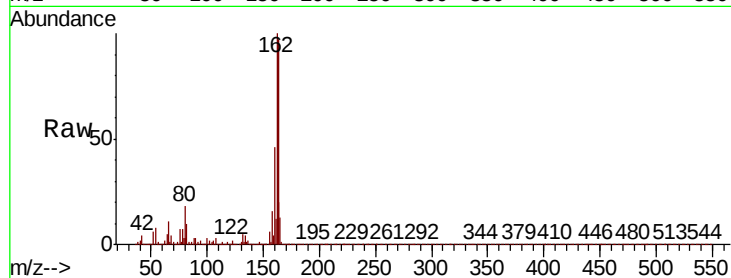
Tot Ion:164 Resp: 136108

Ion Ratio Lower Upper

164 100

162 103.6 80.7 121.1

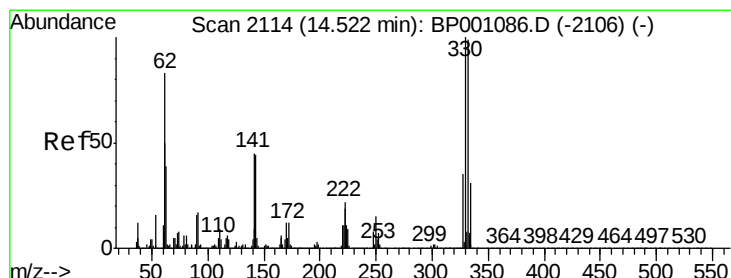
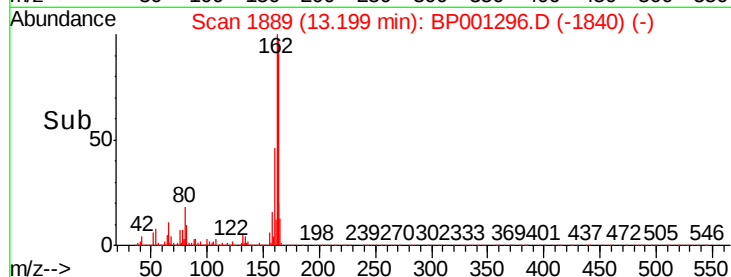
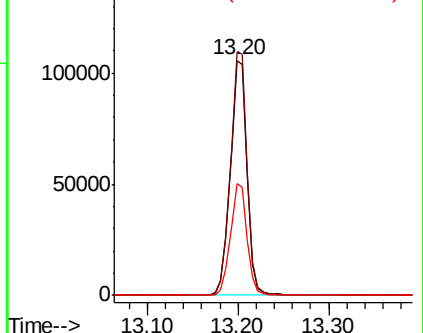
160 47.6 36.3 54.5



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: 161.133 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

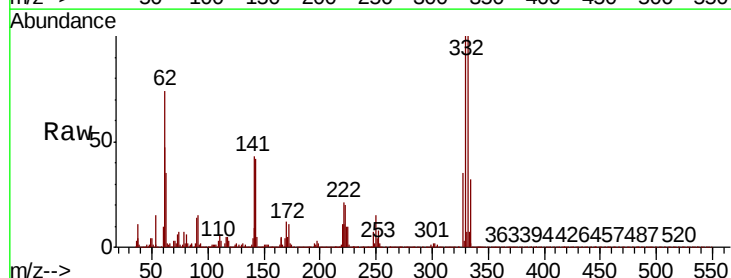
Tgt Ion:330 Resp: 210214

Ion Ratio Lower Upper

330 100

332 96.3 79.1 118.7

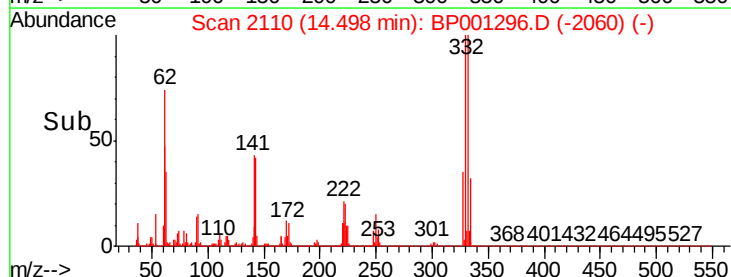
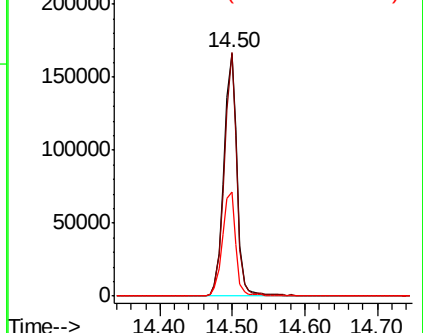
141 43.8 35.9 53.9

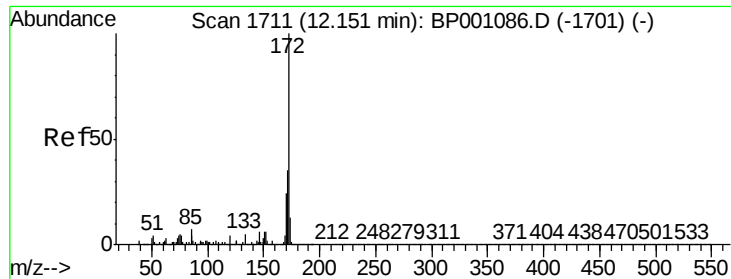


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

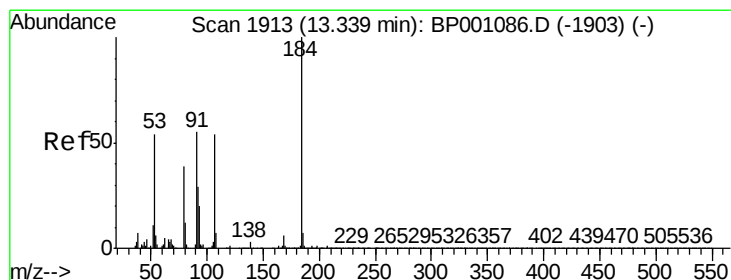
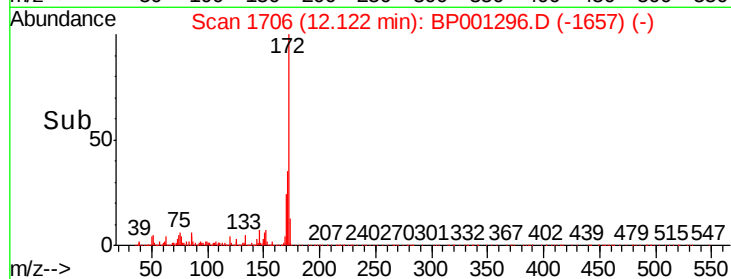
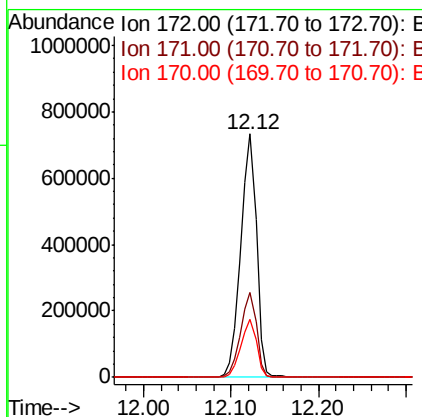
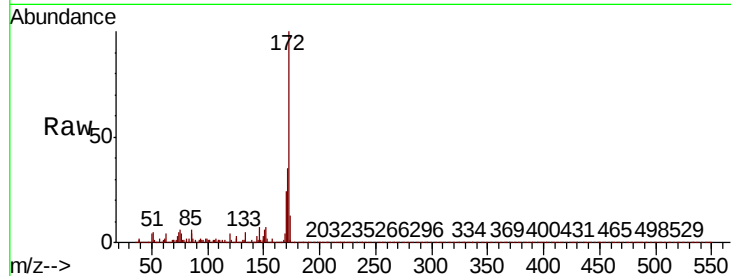




#45  
2-Fluorobiphenyl  
Concen: 94.894 ng  
RT: 12.12 min Scan# 1706  
Delta R.T. -0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

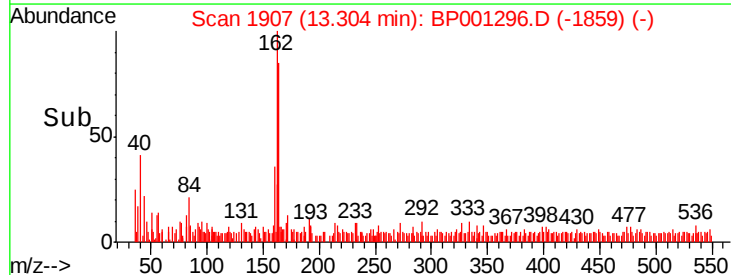
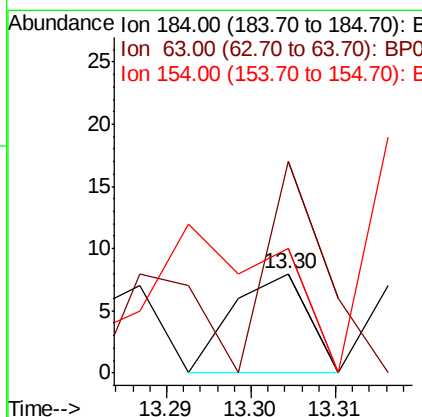
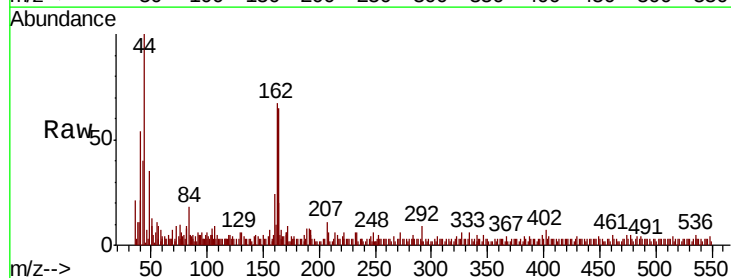
Instrument :  
BNA\_P  
ClientSampleId :

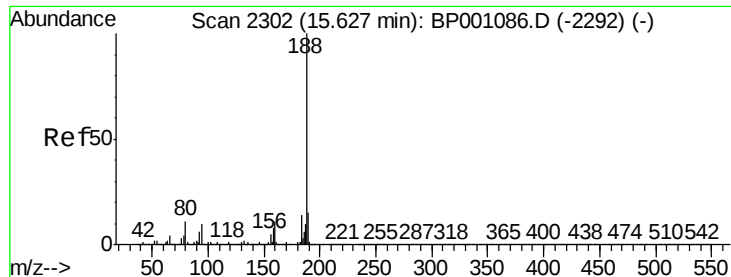
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.1  | 28.7  | 43.1  |
| 170     | 23.6  | 19.2  | 28.8  |



#54  
2,4-Dinitrophenol  
Concen: 7.114 ng  
RT: 13.30 min Scan# 1907  
Delta R.T. -0.02 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 184     | 100   |       |        |
| 63      | 212.5 | 69.4  | 104.0# |
| 154     | 125.0 | 57.4  | 86.2#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

Instrument :

BNA\_P

ClientSampleId :

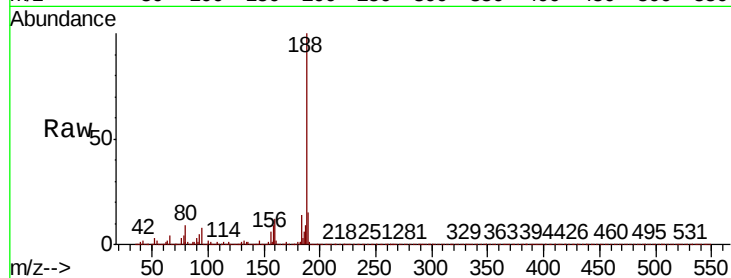
Tot Ion:188 Resp: 268768

Ion Ratio Lower Upper

188 100

94 8.1 7.1 10.7

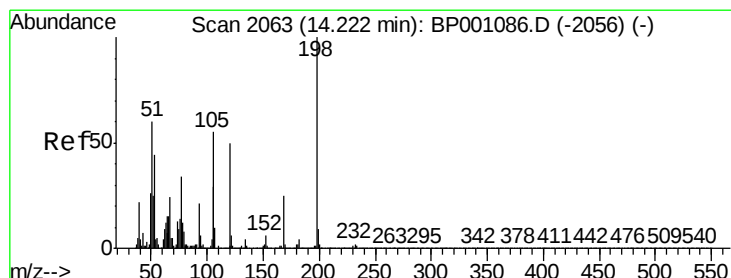
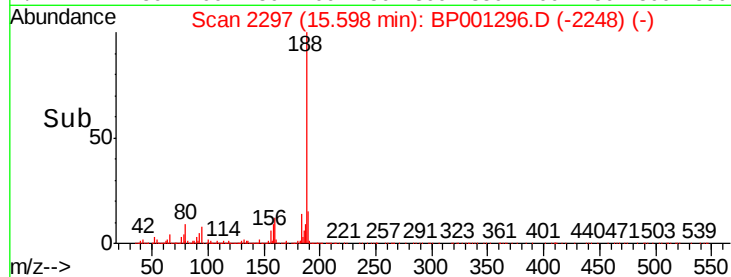
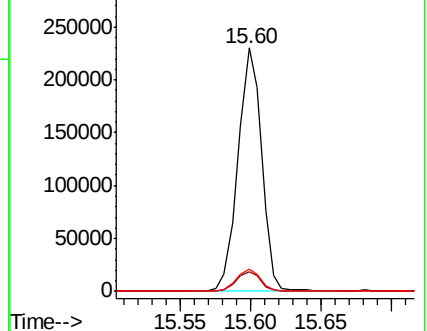
80 9.3 7.8 11.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.293 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.12 min

Lab File: BP001296.D

Acq: 10 Dec 2019 13:34

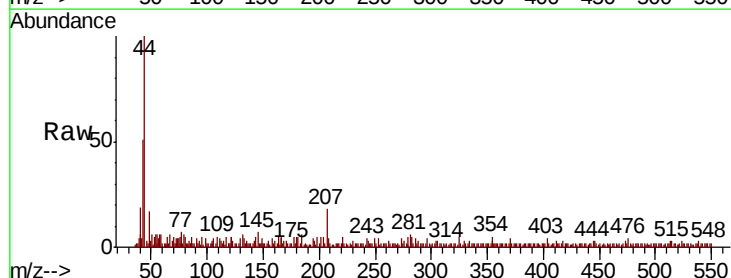
Tgt Ion:198 Resp: 22

Ion Ratio Lower Upper

198 100

51 105.3 36.2 76.2#

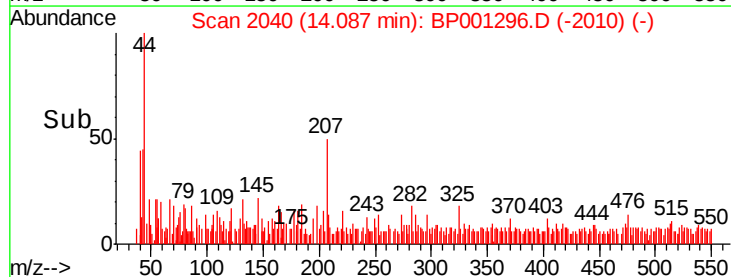
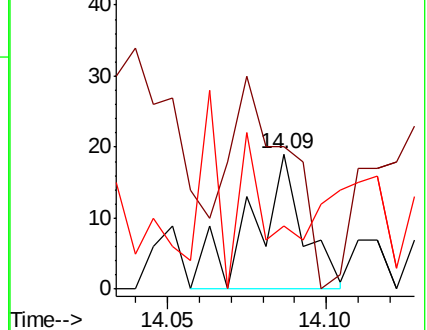
105 47.4 30.2 70.2

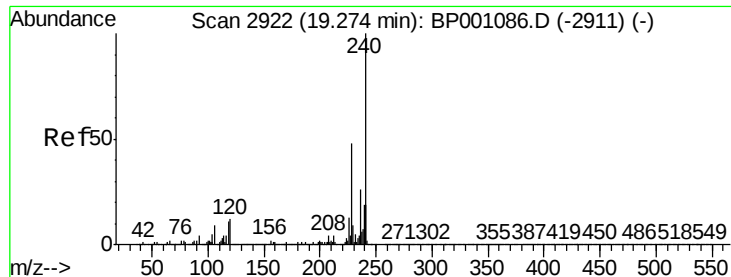


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

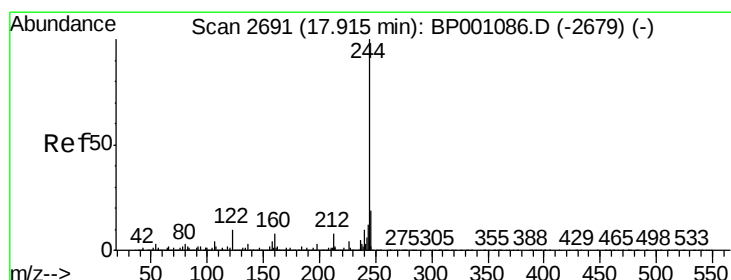
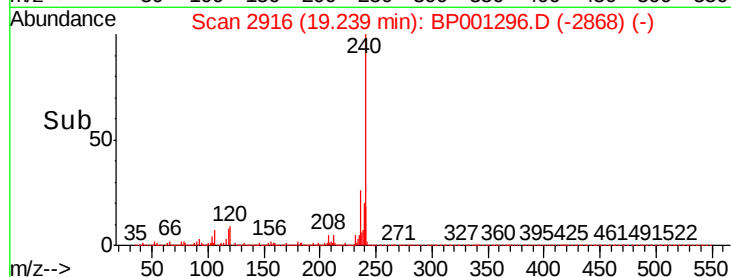
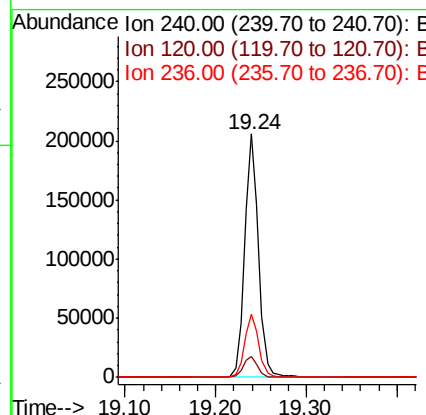
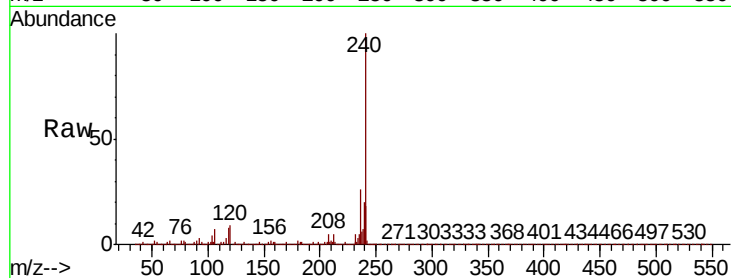




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 19.24 min Scan# 2916  
Delta R.T. -0.02 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

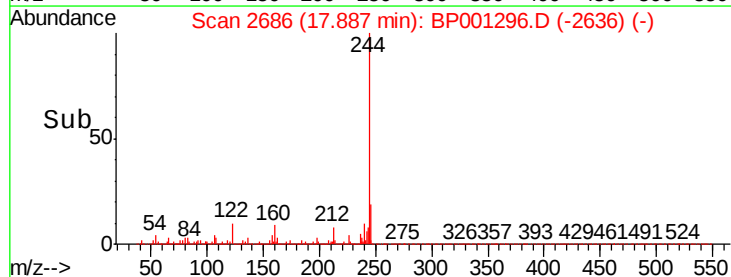
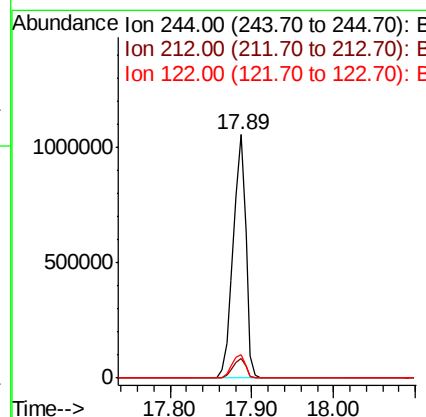
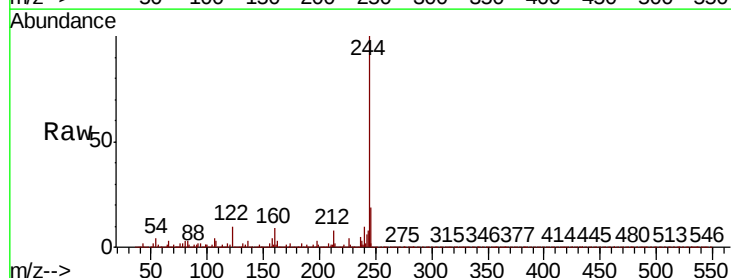
Instrument :  
BNA\_P  
ClientSampleId :

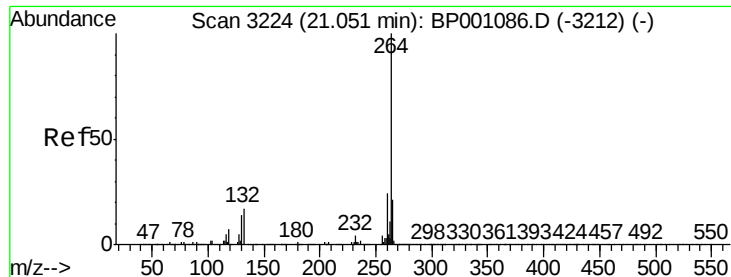
Tot Ion:240 Resp: 220488  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.0 10.6  
236 25.9 21.7 32.5



#79  
Terphenyl-d14  
Concen: 95.421 ng  
RT: 17.89 min Scan# 2686  
Delta R.T. -0.01 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

Tgt Ion:244 Resp: 1137202  
Ion Ratio Lower Upper  
244 100  
212 8.2 6.6 9.8  
122 9.8 9.2 13.8





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 21.01 min Scan# 3217  
Delta R.T. -0.02 min  
Lab File: BP001296.D  
Acq: 10 Dec 2019 13:34

Instrument :  
BNA\_P  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.4  | 29.0  |
| 265     | 22.2  | 17.1  | 25.7  |

