

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081320\  
 Data File : BP002970.D  
 Acq On : 13 Aug 2020 17:30  
 Operator : CG/JU  
 Sample : L3648-07RE  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

Quant Time: Aug 13 18:53:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 11 17:14:14 2020  
 Response via : Initial Calibration

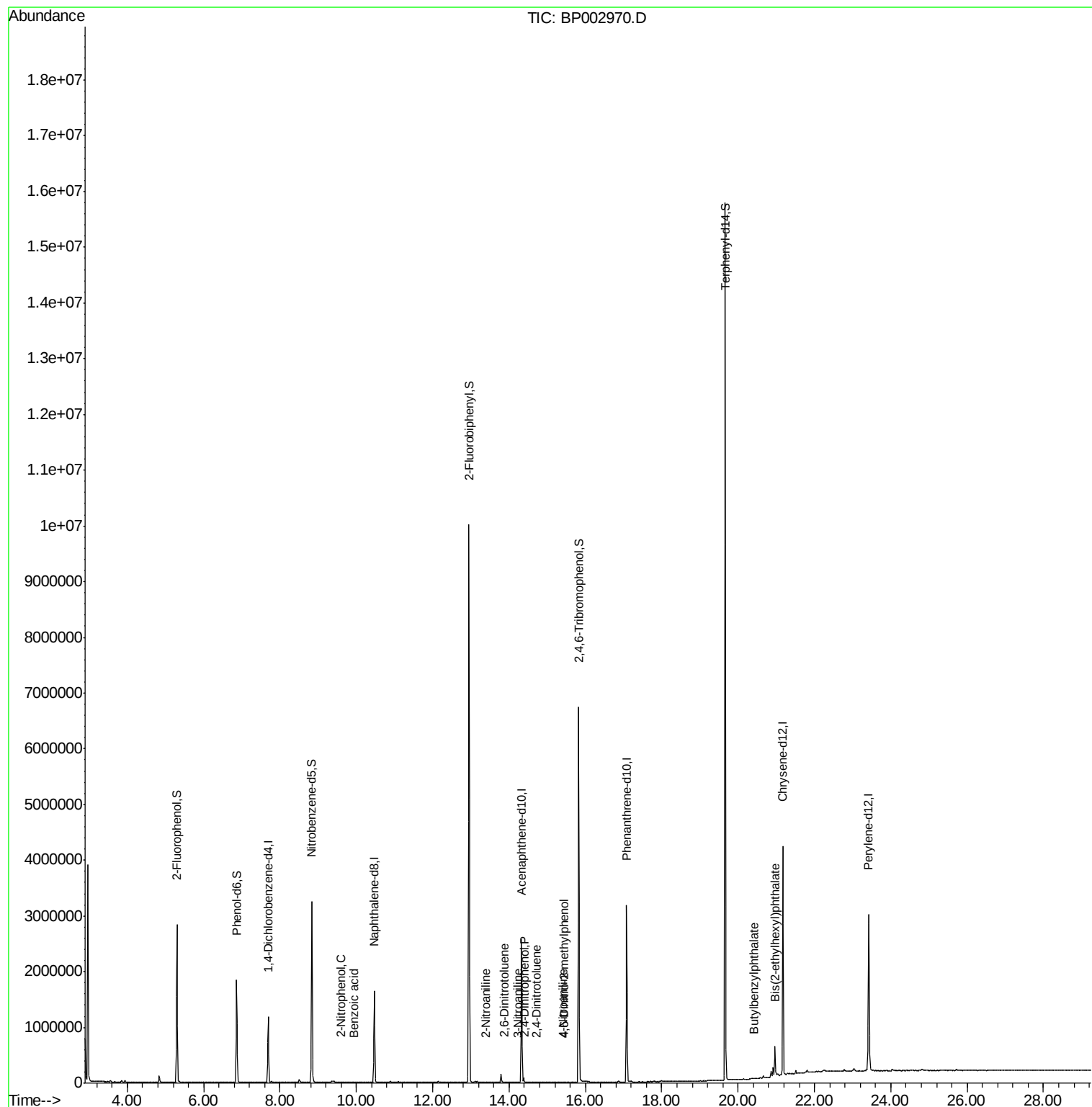
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 354253   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.47 | 136  | 1470222  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 14.33 | 164  | 887414   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 17.08 | 188  | 1855766  | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.17 | 240  | 1824547  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 23.42 | 264  | 1930112  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 1434961  | 62.00  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.86  | 99   | 1240994  | 38.62  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.83  | 82   | 1950478  | 71.85  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 15.82 | 330  | 1340395  | 121.53 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 12.95 | 172  | 5393158  | 83.04  | ng    | -0.01    |
| 79) Terphenyl-d14              | 19.66 | 244  | 6946300  | 76.22  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 26) 2-Nitrophenol              | 9.59  | 139  | 30       | 4.523  | ng    | # 1      |
| 32) Benzoic acid               | 9.93  | 122  | 143      | 7.695  | ng    | # 96     |
| 48) 2-Nitroaniline             | 13.39 | 65   | 80       | 3.977  | ng    | # 10     |
| 51) 2,6-Dinitrotoluene         | 13.88 | 165  | 579      | 2.934  | ng    | # 69     |
| 53) 3-Nitroaniline             | 14.23 | 138  | 19       | 3.275  | ng    | # 3      |
| 54) 2,4-Dinitrophenol          | 14.40 | 184  | 27       | 8.061  | ng    | # 1      |
| 57) 2,4-Dinitrotoluene         | 14.71 | 165  | 185      | 3.814  | ng    | # 68     |
| 62) 4-Nitroaniline             | 15.41 | 138  | 11       | 2.417  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198  | 15       | 6.902  | ng    | # 1      |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 157      | 3.061  | ng    | # 91     |
| 84) Bis(2-ethylhexyl)phthalate | 20.96 | 149  | 240916   | 3.413  | ng    | # 52     |

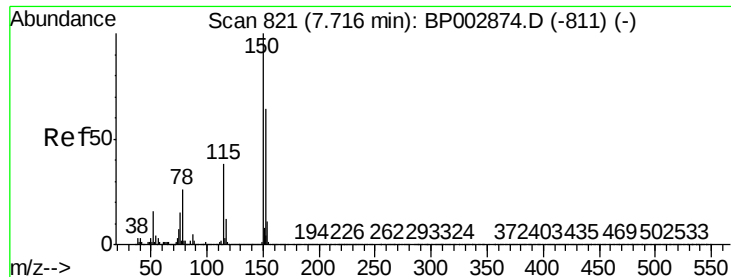
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081320\  
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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

Quant Time: Aug 13 18:53:13 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 11 17:14:14 2020  
Response via : Initial Calibration



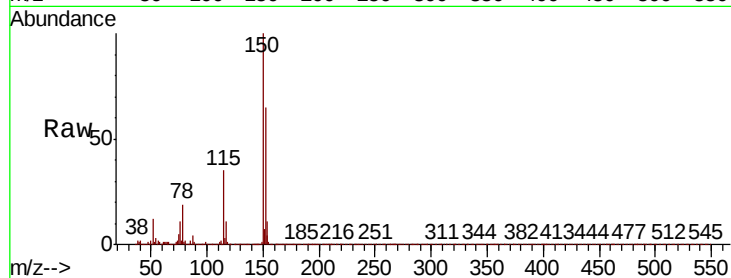


#1

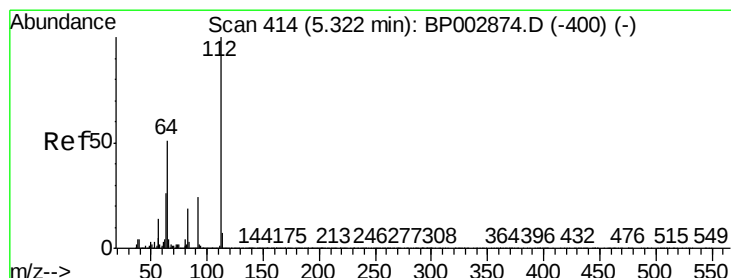
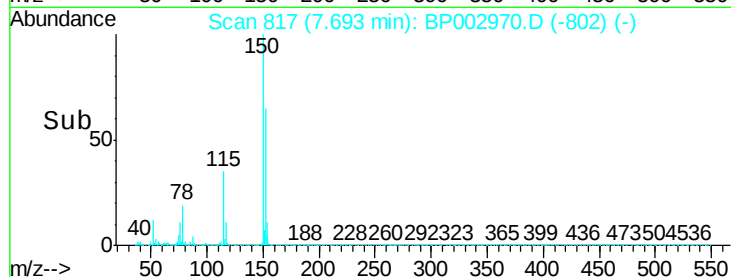
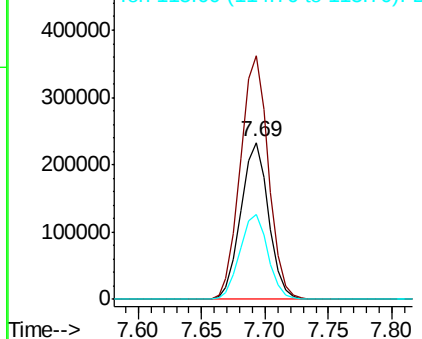
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.69 min Scan# 817  
 Delta R.T. -0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 124.2 | 186.4 |
| 115     | 54.0  | 42.1  | 63.1  |



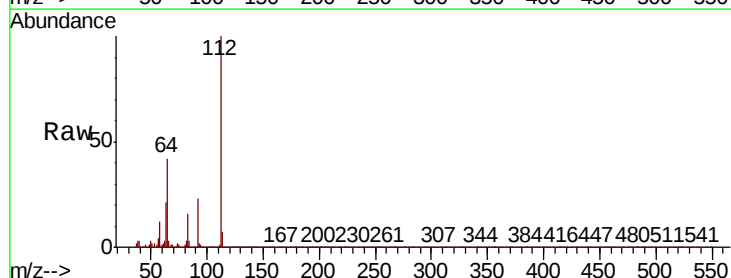
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



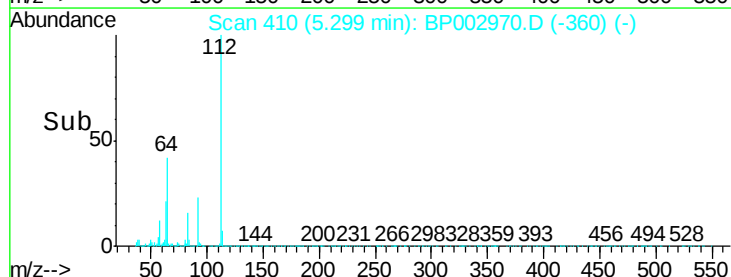
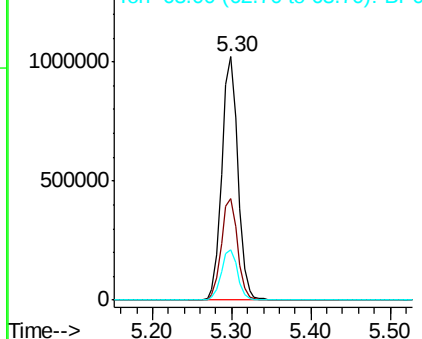
#5

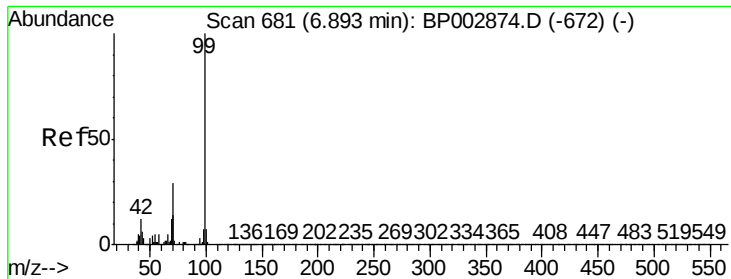
2-Fluorophenol  
 Concen: 61.995 ng  
 RT: 5.30 min Scan# 410  
 Delta R.T. -0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 41.6  | 33.8  | 50.8  |
| 63      | 20.7  | 17.2  | 25.8  |



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: 38.617 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.02 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

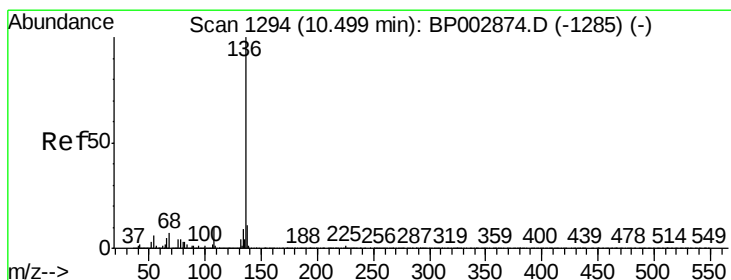
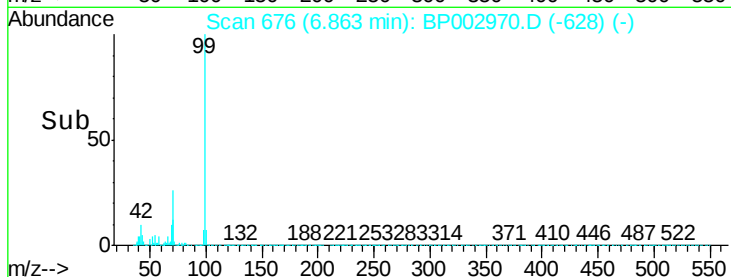
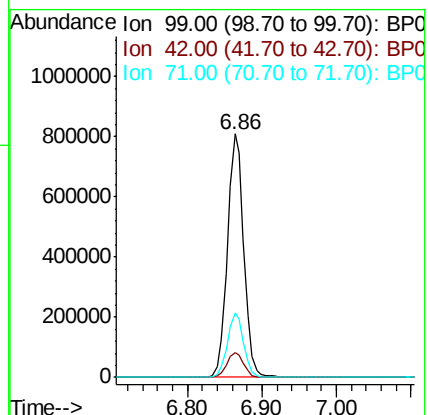
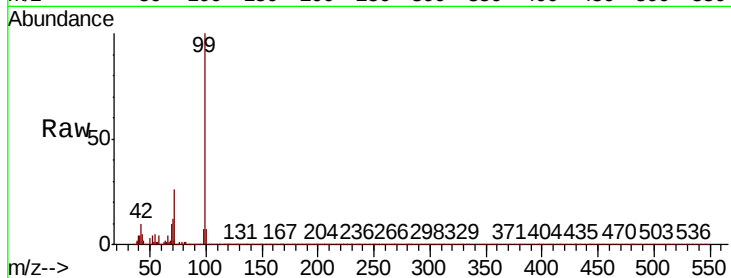
Tot Ion: 99 Resp: 1240994

Ion Ratio Lower Upper

99 100

42 10.3 8.1 12.1

71 26.4 21.0 31.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

Tgt Ion: 136 Resp: 1470222

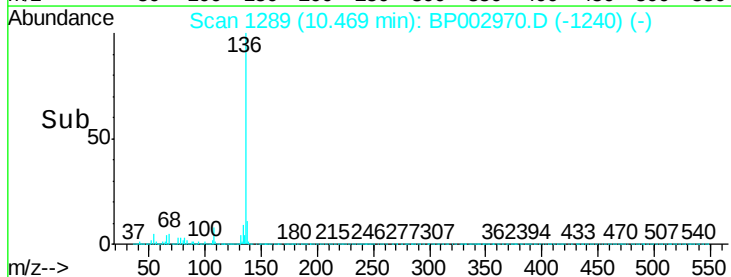
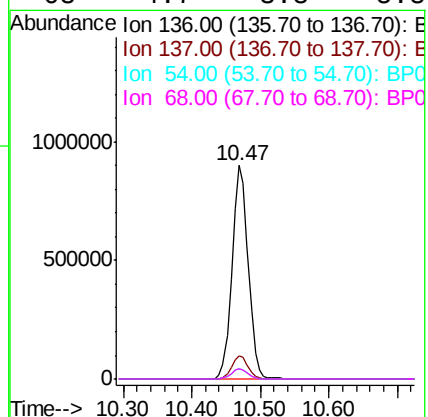
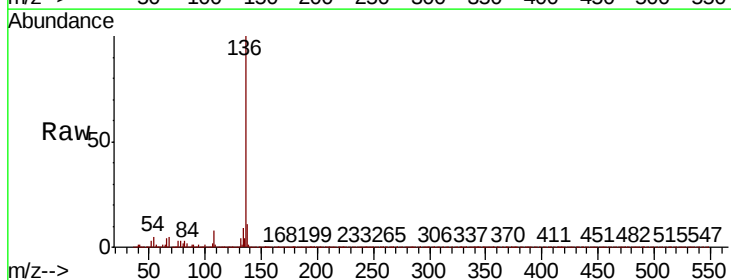
Ion Ratio Lower Upper

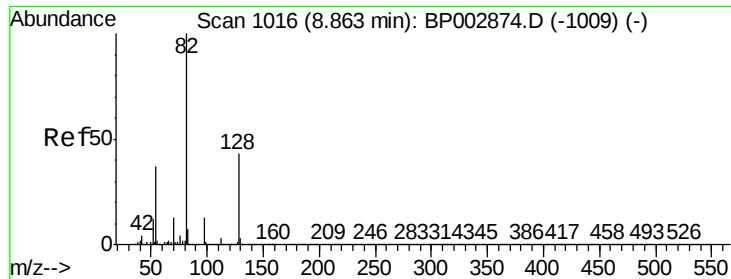
136 100

137 10.9 9.0 13.4

54 4.8 3.9 5.9

68 4.7 3.8 5.8

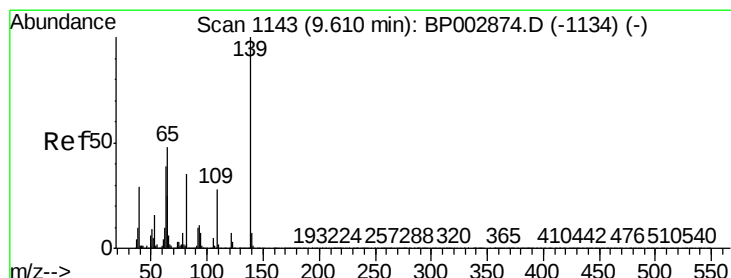
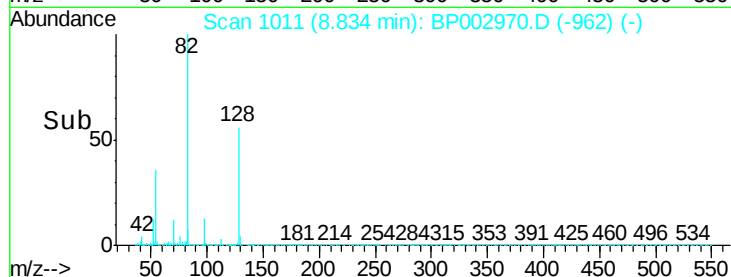
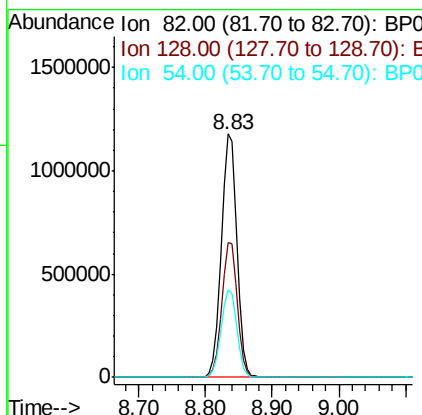
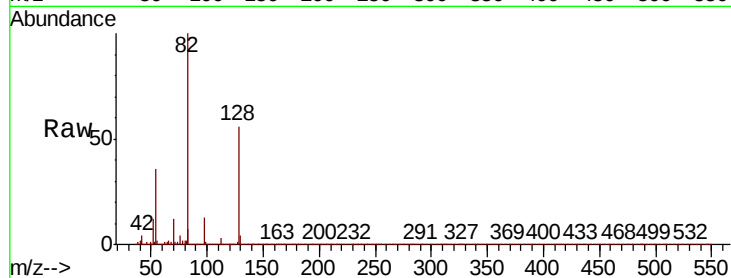




#23  
Nitrobenzene-d5  
Concen: 71.855 ng  
RT: 8.83 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

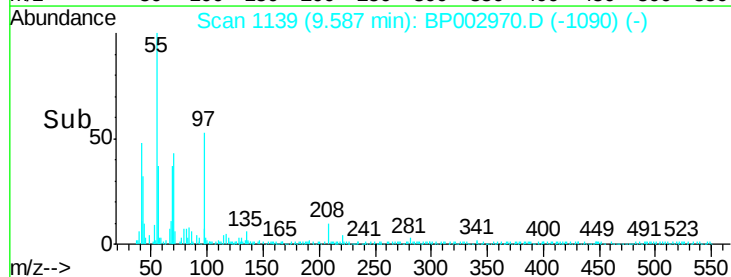
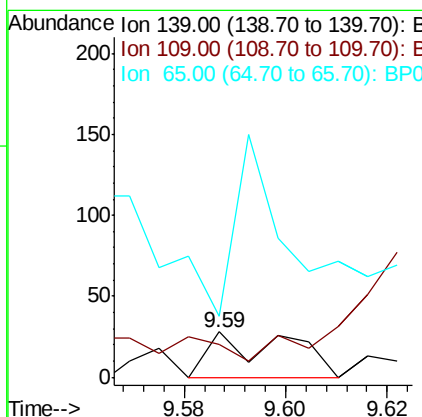
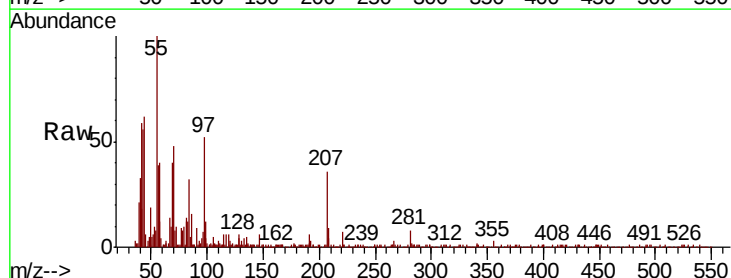
Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

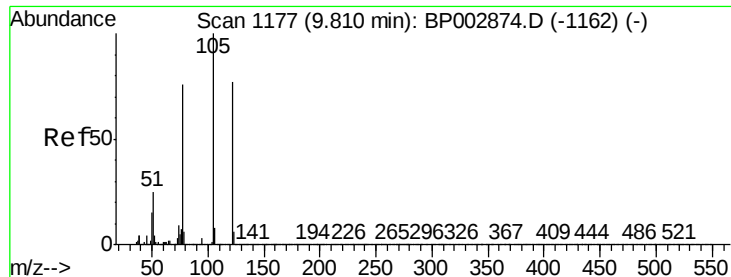
Tot Ion: 82 Resp: 1950478  
Ion Ratio Lower Upper  
82 100  
128 55.6 44.6 66.8  
54 36.1 29.2 43.8



#26  
2-Nitrophenol  
Concen: 4.523 ng  
RT: 9.59 min Scan# 1139  
Delta R.T. -0.01 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

Tgt Ion: 139 Resp: 30  
Ion Ratio Lower Upper  
139 100  
109 71.4 19.5 29.3#  
65 135.7 26.6 40.0#

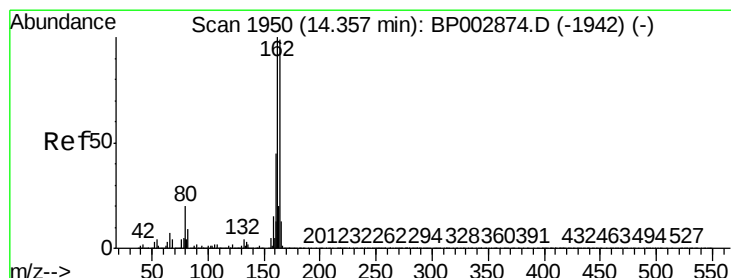
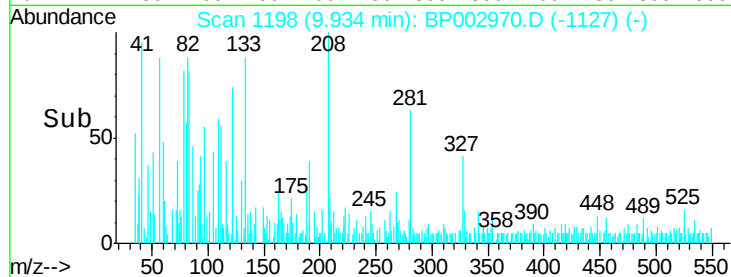
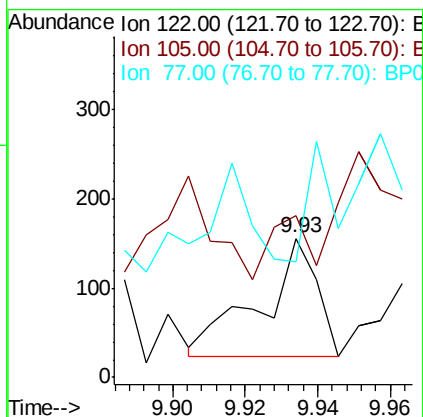
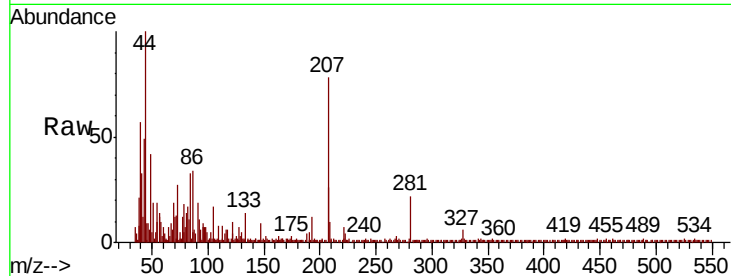




#32  
Benzoic acid  
Concen: 7.695 ng  
RT: 9.93 min Scan# 1198  
Delta R.T. 0.12 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

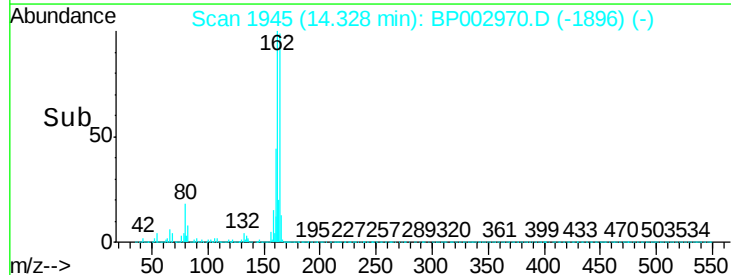
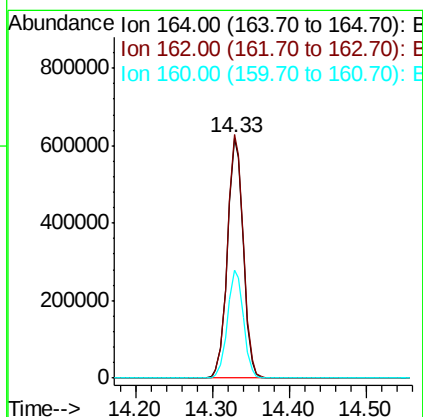
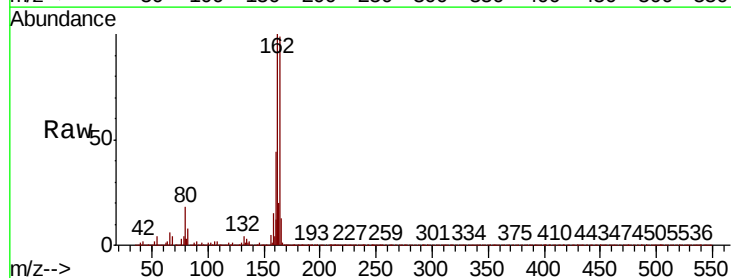
Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

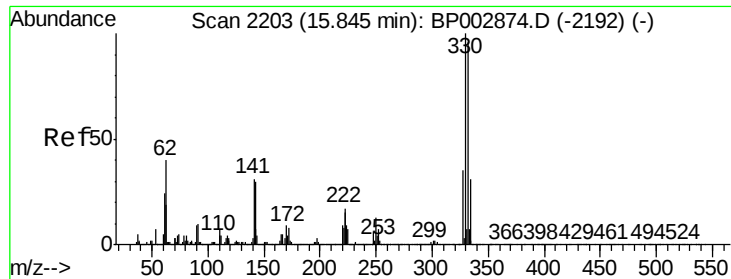
Tot Ion:122 Resp: 143  
Ion Ratio Lower Upper  
122 100  
105 116.7 95.8 135.8  
77 82.7 54.7 94.7



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.33 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

Tgt Ion:164 Resp: 887414  
Ion Ratio Lower Upper  
164 100  
162 101.4 81.0 121.4  
160 45.1 36.2 54.4



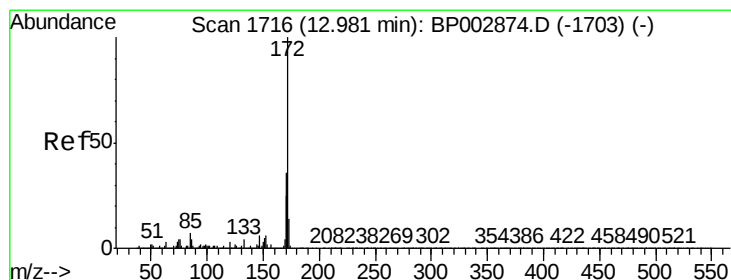
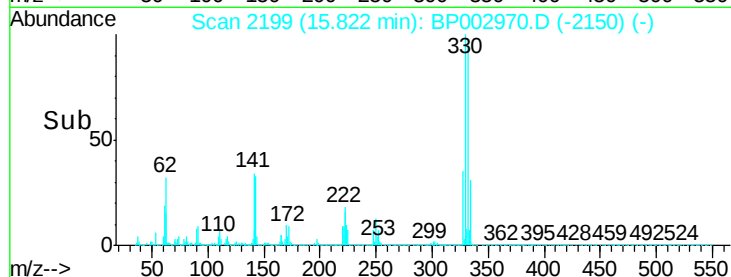
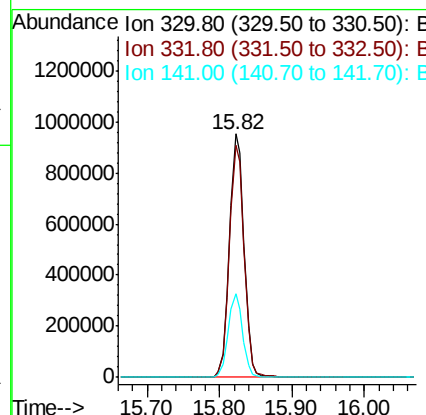
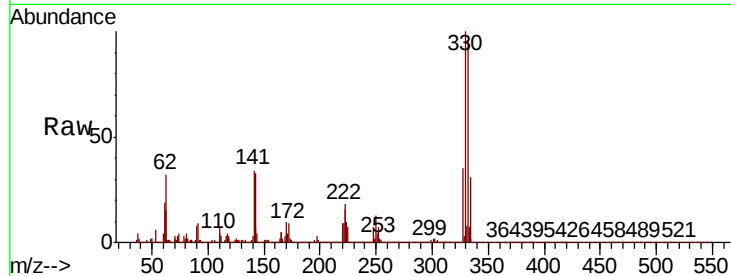


#42  
 2,4,6-Tribromophenol  
 Concen: 121.528 ng  
 RT: 15.82 min Scan# 2199  
 Delta R.T. -0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

Tot Ion:330 Resp: 1340395  

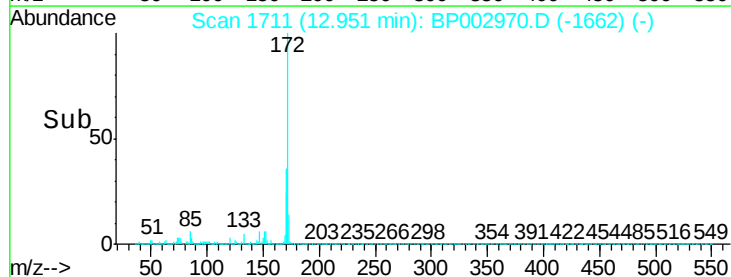
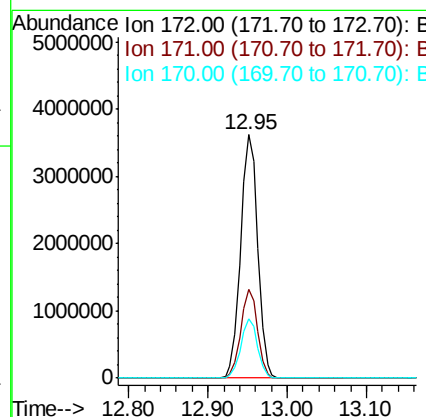
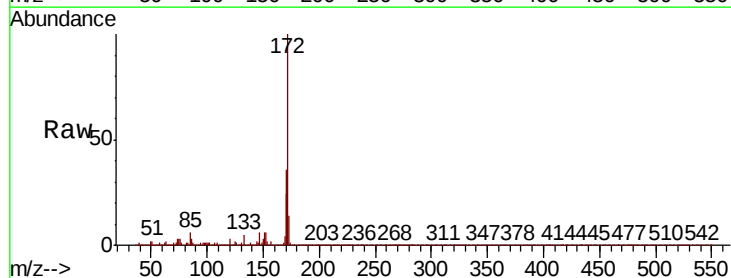
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.3  | 77.0  | 115.4 |
| 141 | 34.1  | 28.6  | 43.0  |

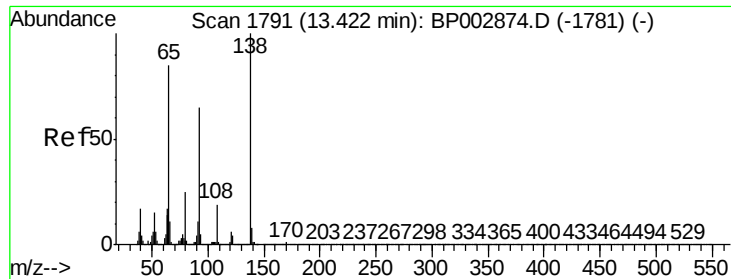


#45  
 2-Fluorobiphenyl  
 Concen: 83.035 ng  
 RT: 12.95 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

Tgt Ion:172 Resp: 5393158  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.2  | 29.6  | 44.4  |
| 170 | 24.1  | 19.6  | 29.4  |





#48

2-Nitroaniline

Concen: 3.977 ng

RT: 13.39 min Scan# 1785

Delta R.T. -0.02 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

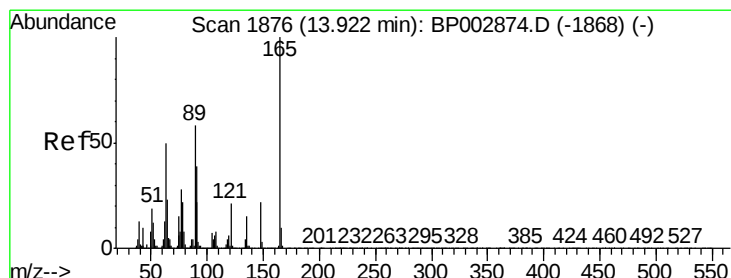
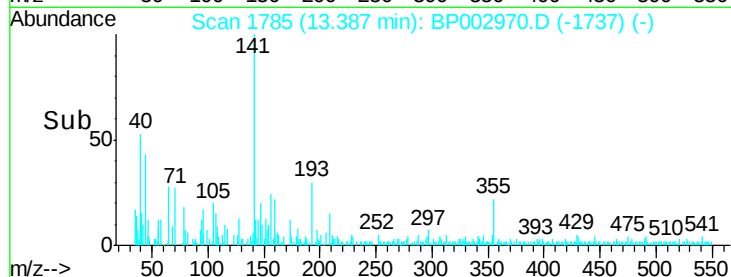
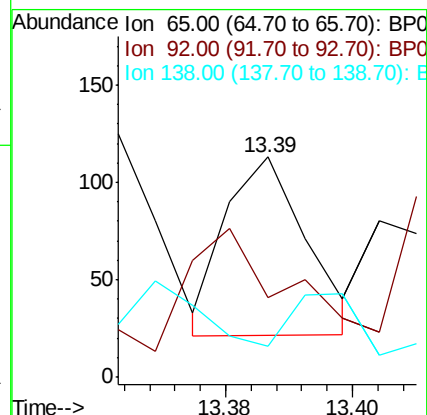
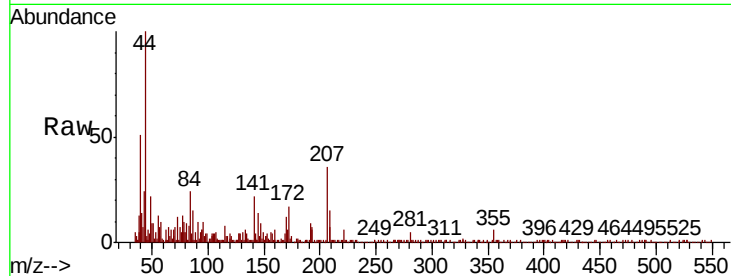
Tot Ion: 65 Resp: 80

Ion Ratio Lower Upper

65 100

92 36.3 69.6 104.4#

138 14.2 125.6 188.4#



#51

2,6-Dinitrotoluene

Concen: 2.934 ng

RT: 13.88 min Scan# 1869

Delta R.T. -0.03 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

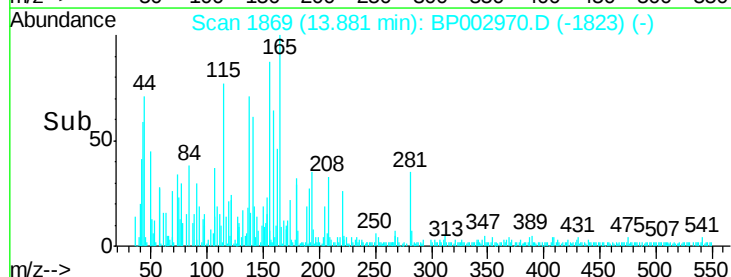
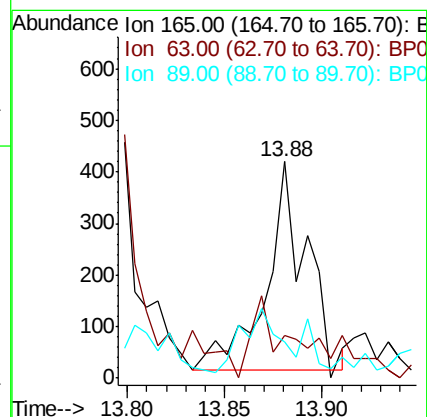
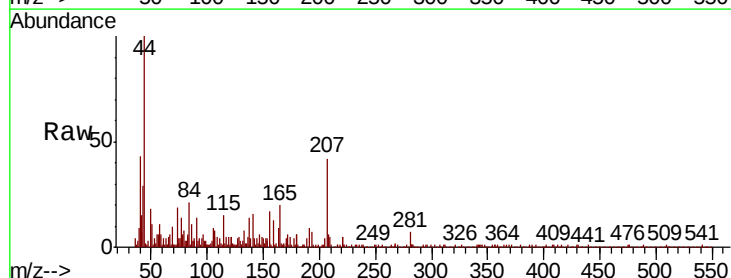
Tgt Ion: 165 Resp: 579

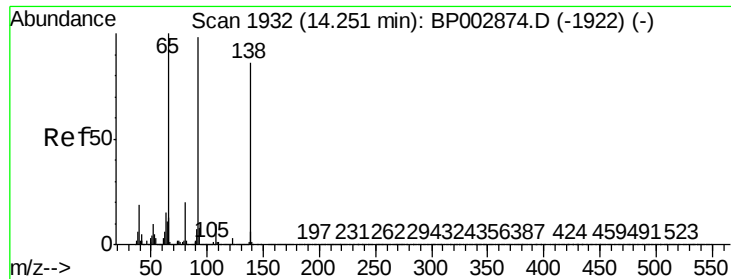
Ion Ratio Lower Upper

165 100

63 24.5 27.5 41.3#

89 16.7 35.3 52.9#





#53

3-Nitroaniline

Concen: 3.275 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

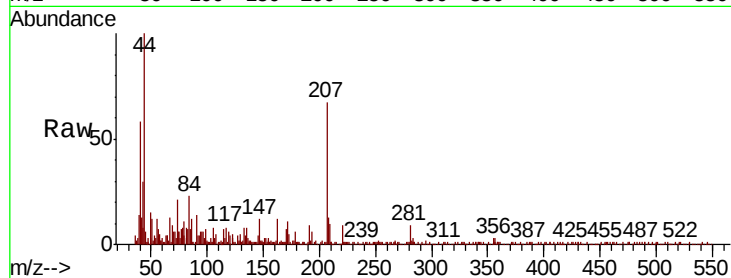
Tot Ion:138 Resp: 19

Ion Ratio Lower Upper

138 100

108 187.5 7.2 10.8#

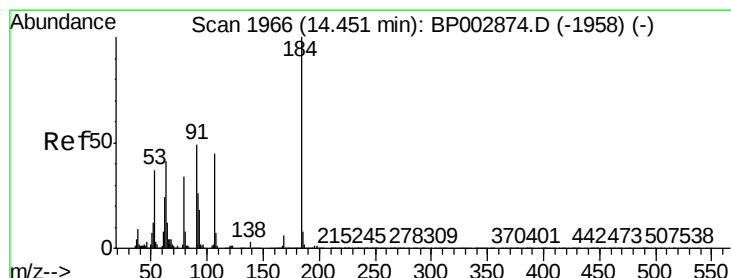
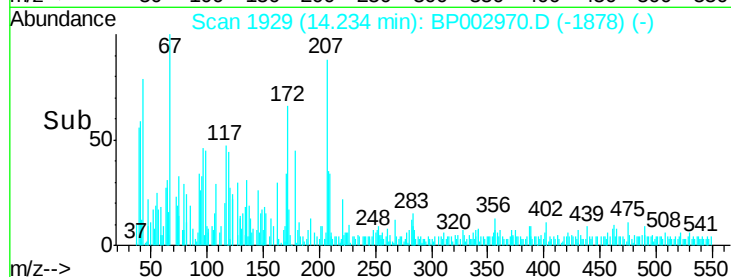
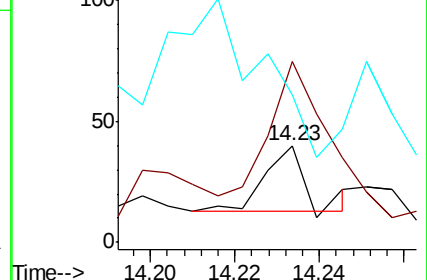
92 152.5 75.8 113.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0



#54

2,4-Dinitrophenol

Concen: 8.061 ng

RT: 14.40 min Scan# 1958

Delta R.T. -0.04 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

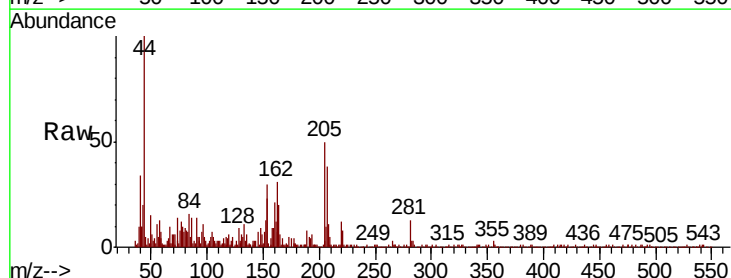
Tgt Ion:184 Resp: 27

Ion Ratio Lower Upper

184 100

63 103.8 36.4 54.6#

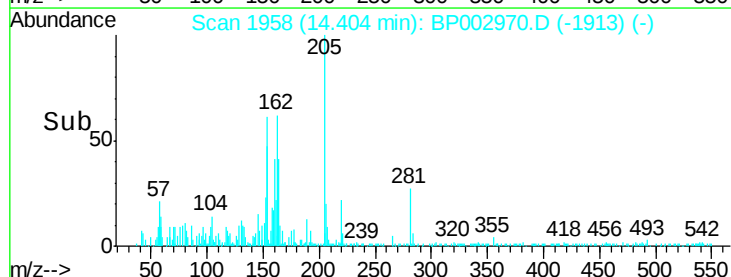
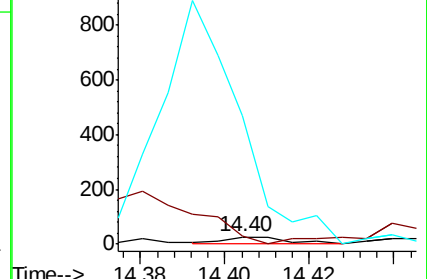
154 1796.2 46.6 69.8#

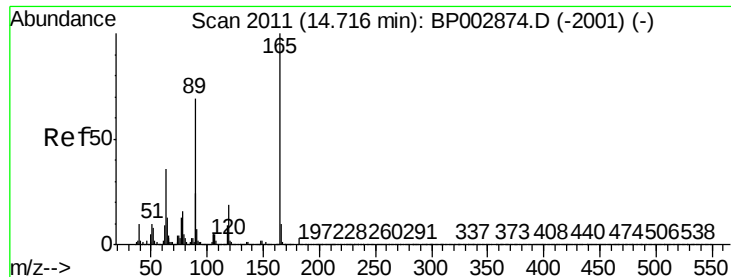


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

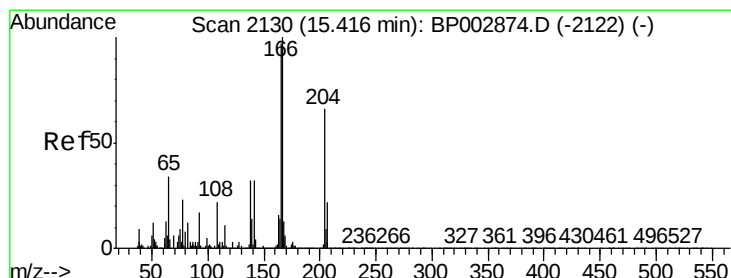
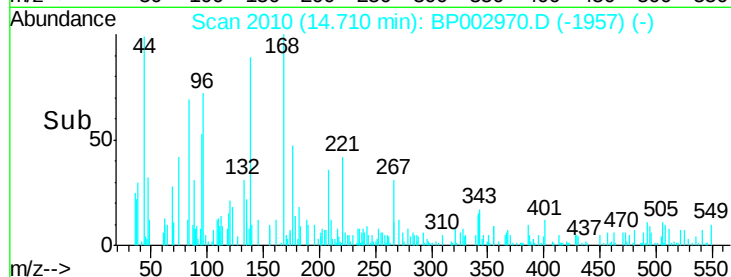
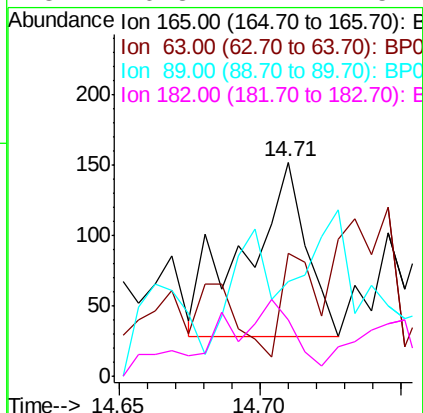
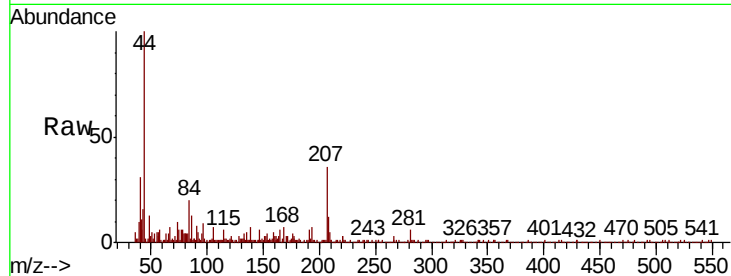




#57  
 2,4-Dinitrotoluene  
 Concen: 3.814 ng  
 RT: 14.71 min Scan# 2010  
 Delta R.T. 0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

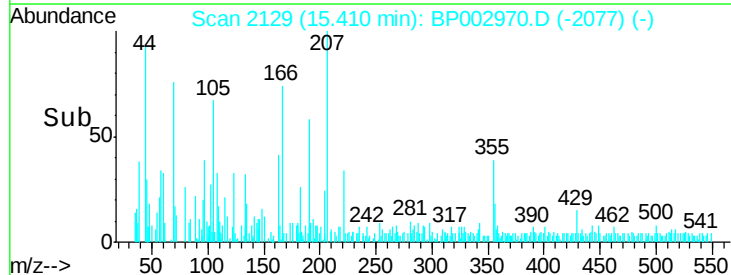
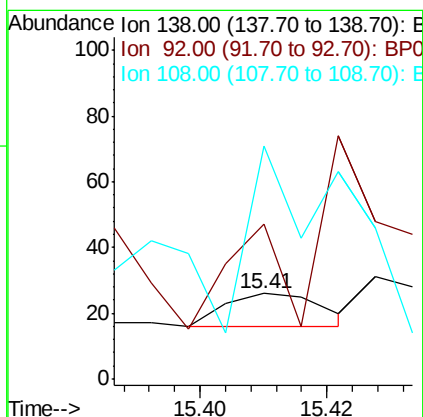
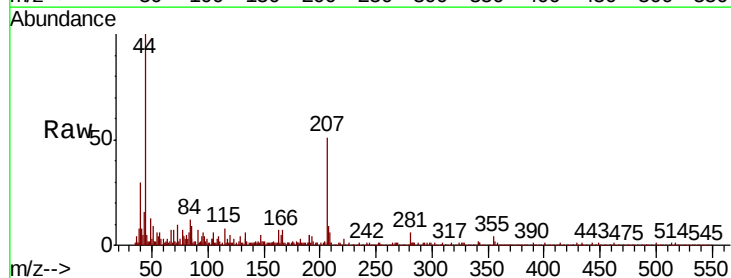
Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

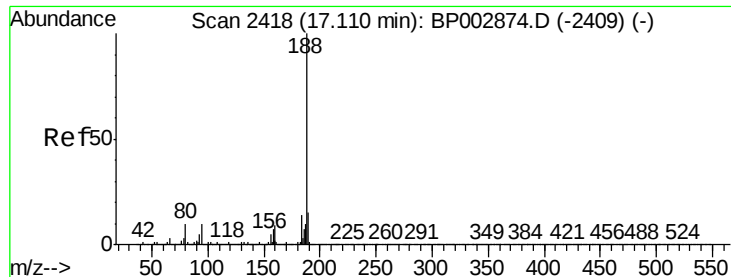
| Tot Ion:165 | Resp: | 185         |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 57.2  | 22.6 34.0#  |
| 89          | 44.1  | 46.2 69.2#  |
| 182         | 26.3  | 2.2 3.4#    |



#62  
 4-Nitroaniline  
 Concen: 2.417 ng  
 RT: 15.41 min Scan# 2129  
 Delta R.T. 0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

| Tgt Ion:138 | Resp: | 11          |
|-------------|-------|-------------|
| Ion         | Ratio | Lower Upper |
| 138         | 100   |             |
| 92          | 180.8 | 21.2 61.2#  |
| 108         | 273.1 | 40.5 80.5#  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

Instrument :

BNA\_P

ClientSampleId :

BS-STOCK-4

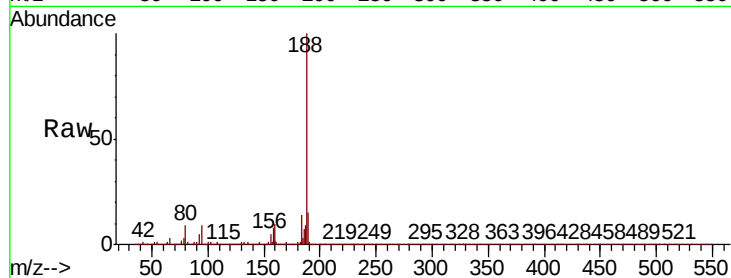
Tot Ion:188 Resp: 1855766

Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

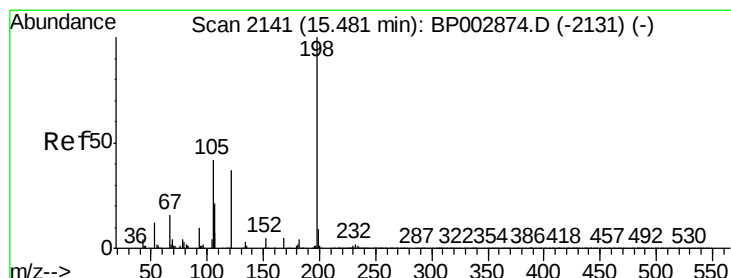
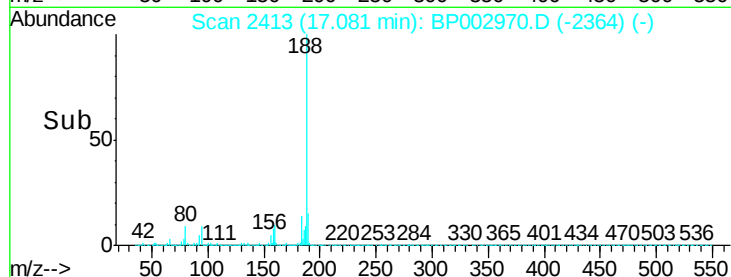
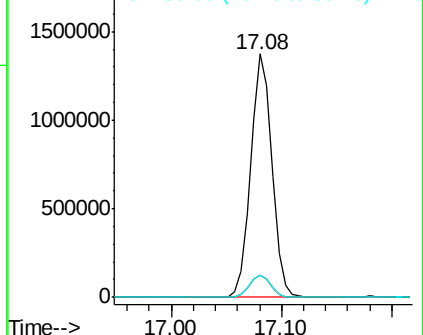
80 8.9 7.0 10.6



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: 6.902 ng

RT: 15.45 min Scan# 2135

Delta R.T. -0.02 min

Lab File: BP002970.D

Acq: 13 Aug 2020 17:30

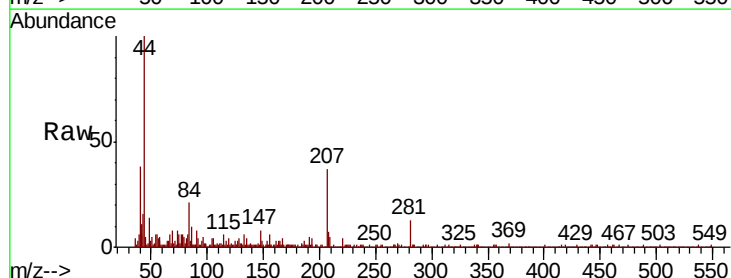
Tgt Ion:198 Resp: 15

Ion Ratio Lower Upper

198 100

51 752.9 6.5 46.5#

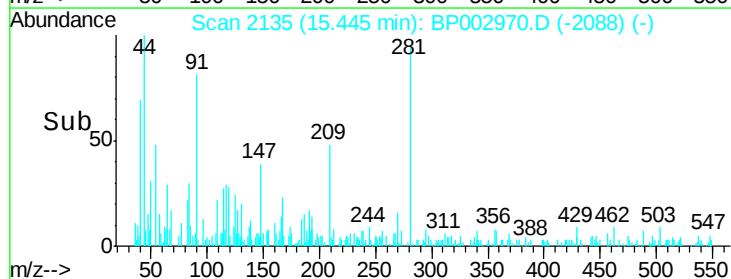
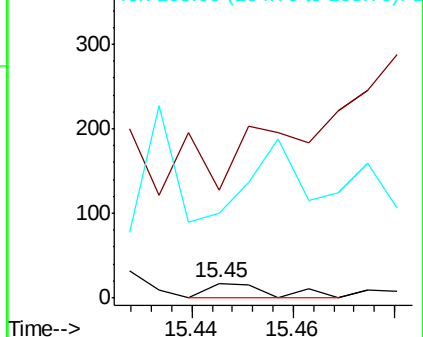
105 588.2 20.4 60.4#

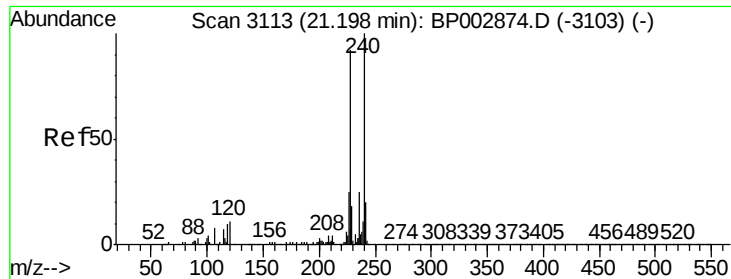


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

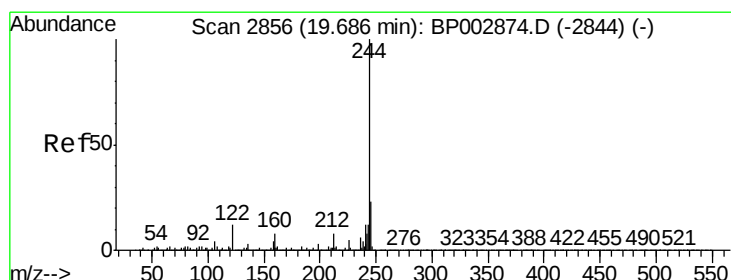
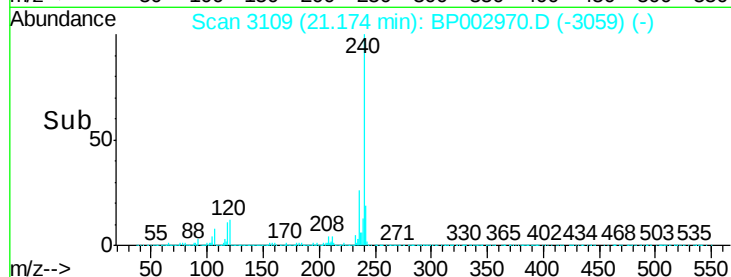
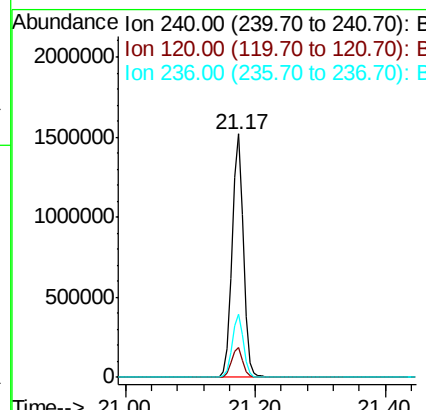
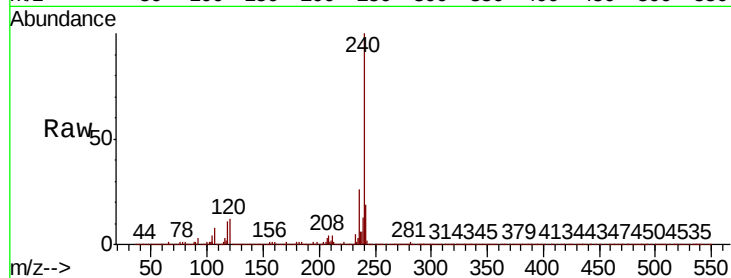




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.17 min Scan# 3109  
Delta R.T. -0.01 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

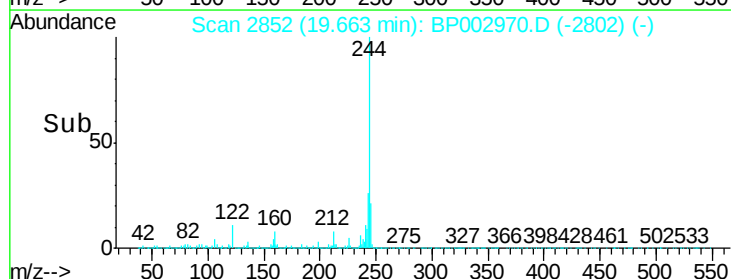
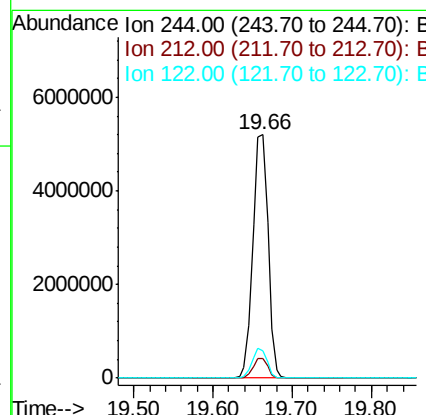
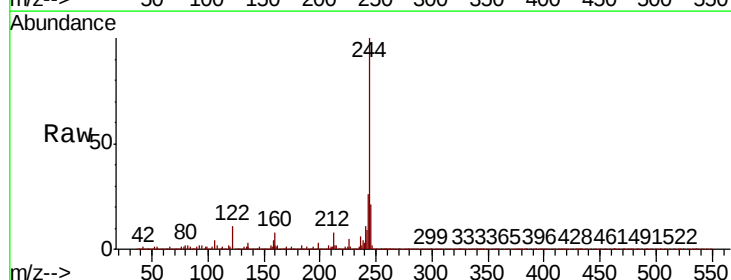
Instrument :  
BNA\_P  
ClientSampleId :  
BS-STOCK-4

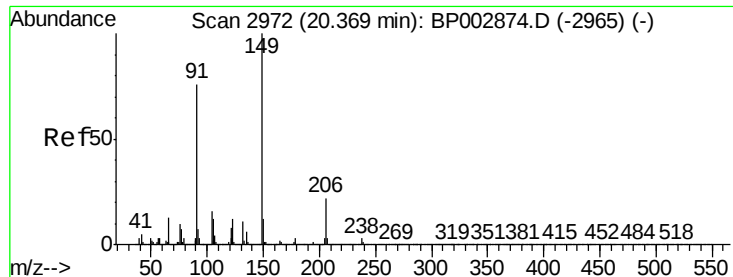
Tot Ion:240 Resp: 1824547  
Ion Ratio Lower Upper  
240 100  
120 12.1 10.6 16.0  
236 25.7 20.7 31.1



#79  
Terphenyl-d14  
Concen: 76.217 ng  
RT: 19.66 min Scan# 2852  
Delta R.T. -0.01 min  
Lab File: BP002970.D  
Acq: 13 Aug 2020 17:30

Tgt Ion:244 Resp: 6946300  
Ion Ratio Lower Upper  
244 100  
212 8.1 6.3 9.5  
122 11.1 9.9 14.9

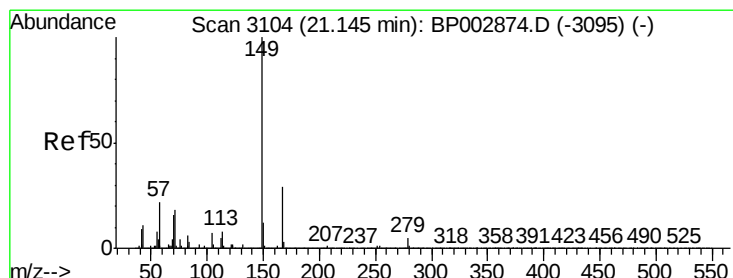
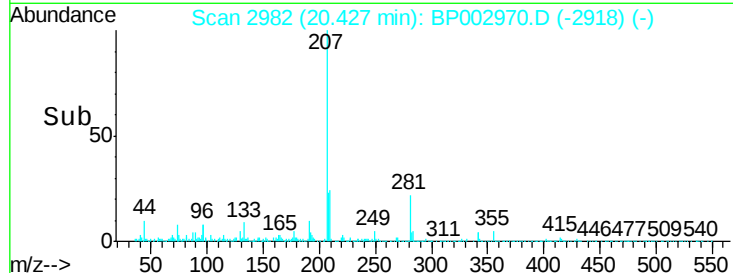
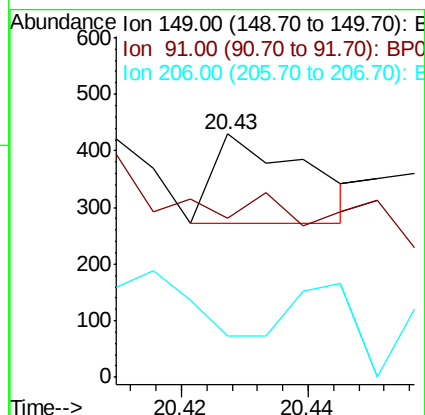
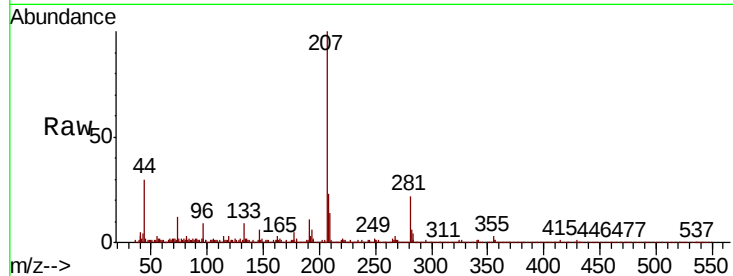




#80  
 Butylbenzylphthalate  
 Concen: 3.061 ng  
 RT: 20.43 min Scan# 2982  
 Delta R.T. 0.08 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

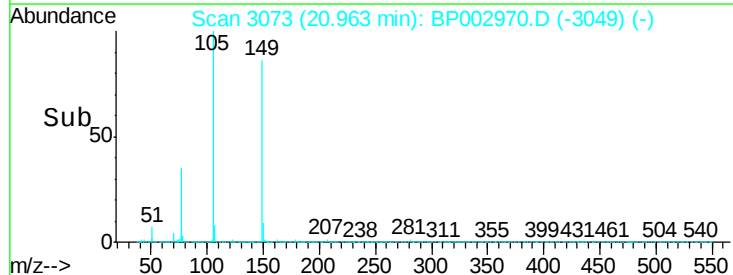
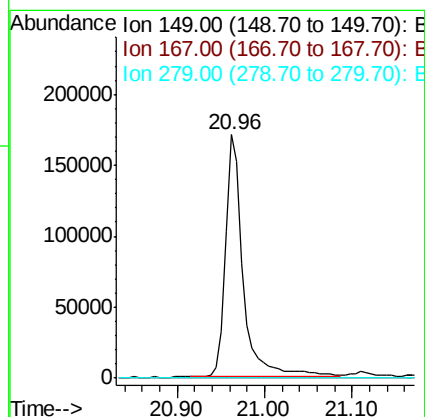
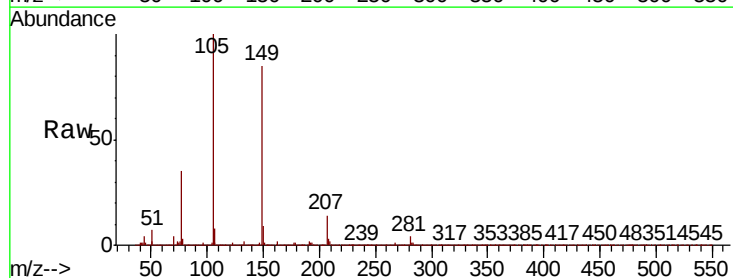
Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

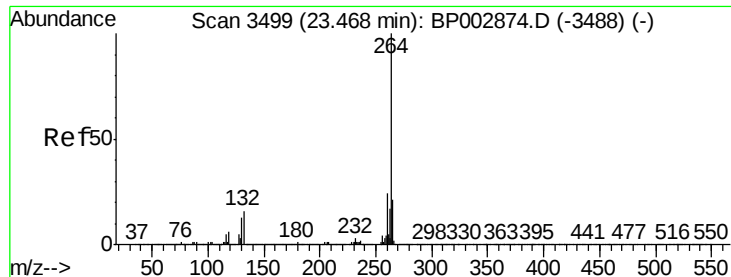
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 149   | Resp: | 157   |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 91       | 65.1  | 46.5  | 69.7  |
| 206      | 17.2  | 17.2  | 25.8  |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.413 ng  
 RT: 20.96 min Scan# 3073  
 Delta R.T. -0.16 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 240916 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 0.1   | 23.0  | 34.6#  |
| 279      | 0.0   | 3.8   | 5.6#   |



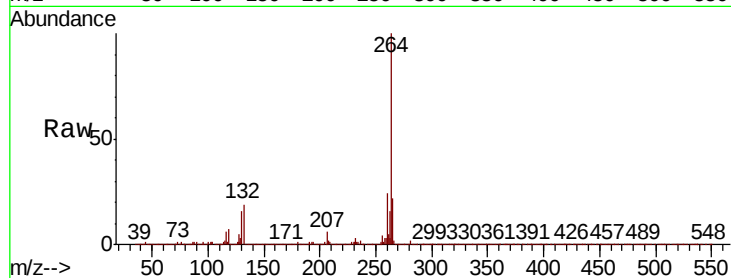


#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.42 min Scan# 3491  
 Delta R.T. -0.01 min  
 Lab File: BP002970.D  
 Acq: 13 Aug 2020 17:30

Instrument :  
 BNA\_P  
 ClientSampleId :  
 BS-STOCK-4

Tot Ion:264 Resp: 1930112  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.7  | 28.1  |
| 265 | 21.9  | 17.6  | 26.4  |



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

