

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062620\  
 Data File : BP002554.D  
 Acq On : 26 Jun 2020 16:48  
 Operator : CG/JU  
 Sample : L3049-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WEST-2-18.0

Quant Time: Jun 26 17:38:16 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 24 13:54:06 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.58  | 152  | 203879   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.35 | 136  | 764243   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.23 | 164  | 472749   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.99 | 188  | 1019709  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.09 | 240  | 971691   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 895539   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.20  | 112 | 552255  | 50.12  | ng | 0.00 |
| 7) Phenol-d6             | 6.77  | 99  | 418500  | 28.53  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.73  | 82  | 1125853 | 87.98  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.73 | 330 | 658010  | 145.38 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.85 | 172 | 2319734 | 82.51  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.58 | 244 | 3760231 | 106.48 | ng | 0.00 |

## Target Compounds

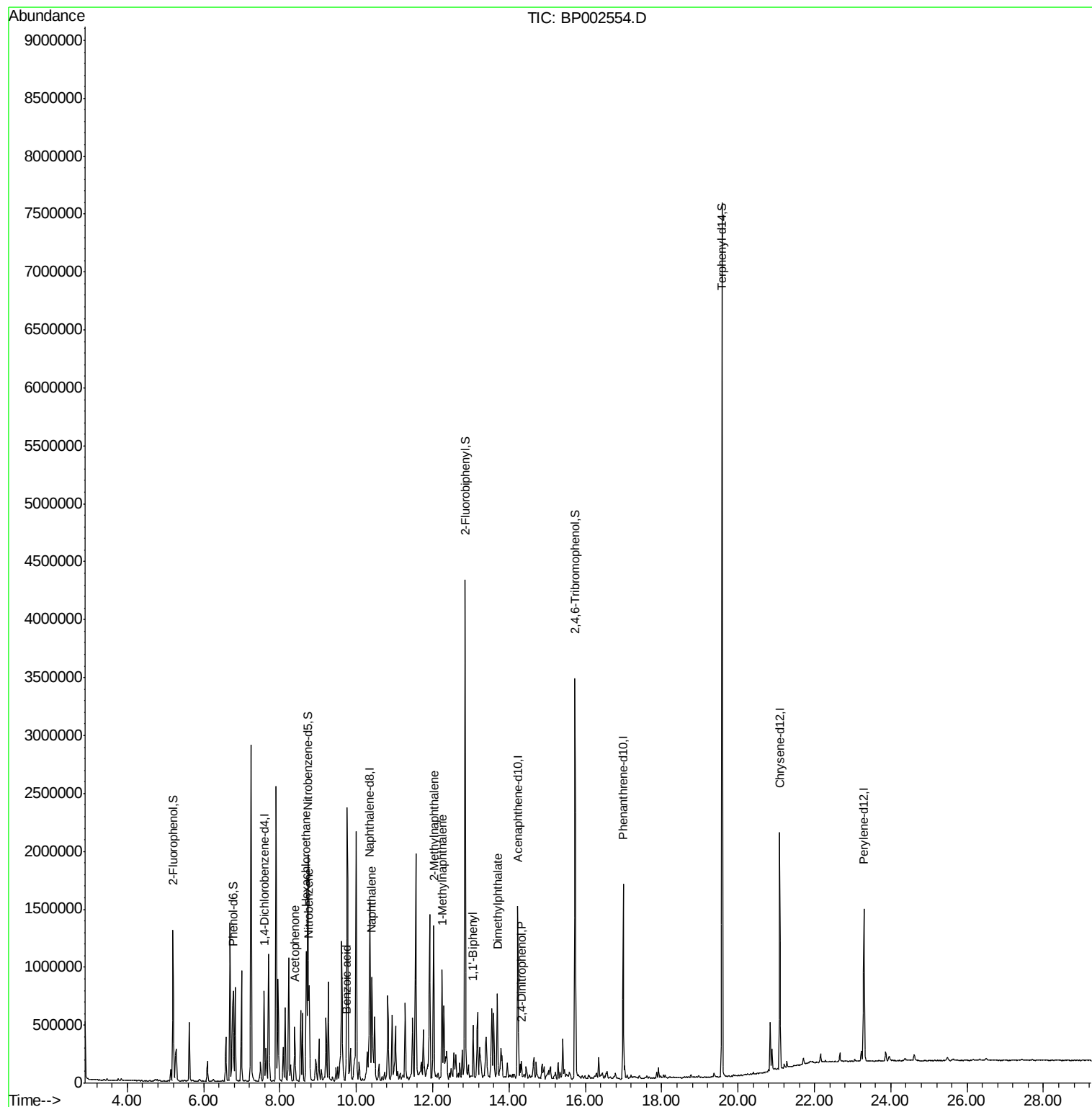
|                                |       |     |        |           |    | Qvalue |
|--------------------------------|-------|-----|--------|-----------|----|--------|
| 18) Hexachloroethane           | 8.69  | 117 | 169839 | 32.482    | ng | # 1    |
| 22) Acetophenone               | 8.39  | 105 | 309617 | 18.033    | ng | # 59   |
| 24) Nitrobenzene               | 8.76  | 77  | 28202  | 2.050     | ng | # 1    |
| 31) Naphthalene                | 10.40 | 128 | 519224 | 14.624    | ng | 97     |
| 32) Benzoic acid               | 9.73  | 122 | 71     | 4.607     | ng | # 1    |
| 37) 2-Methylnaphthalene        | 12.03 | 142 | 633815 | 25.151    | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.25 | 142 | 397965 | 16.825    | ng | 99     |
| 46) 1,1'-Biphenyl              | 13.06 | 154 | 196592 | 6.345     | ng | 96     |
| 50) Dimethylphthalate          | 13.69 | 163 | 437054 | 13.492    | ng | 99     |
| 54) 2,4-Dinitrophenol          | 14.34 | 184 | 55     | 2.799     | ng | # 1    |
| 61) 4-Chlorophenyl-phenylether | 15.29 | 204 | 53     | Below Cal |    | # 1    |

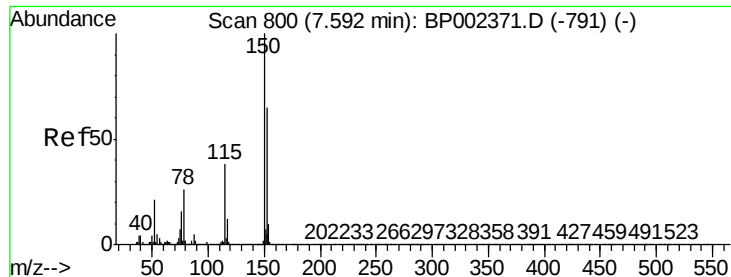
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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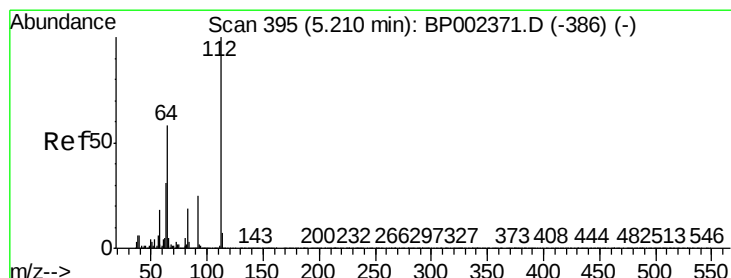
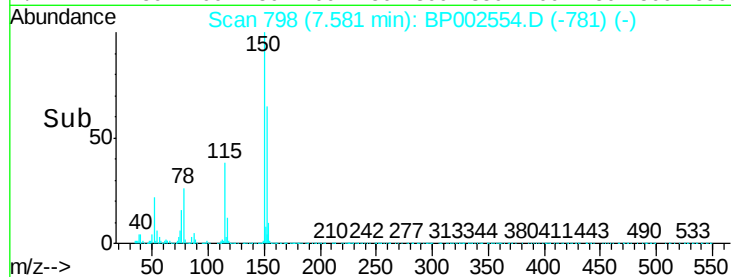
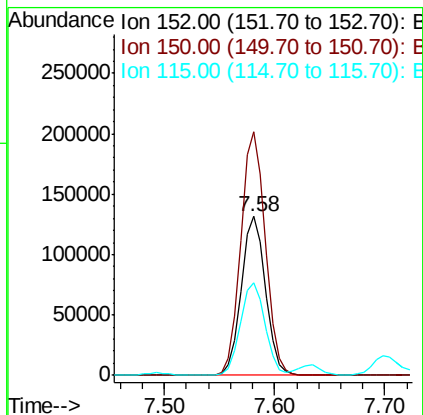
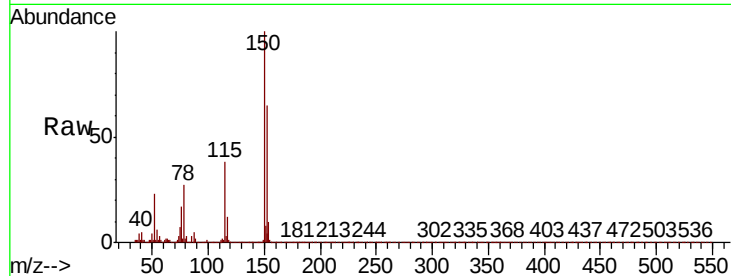


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.58 min Scan# 798  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

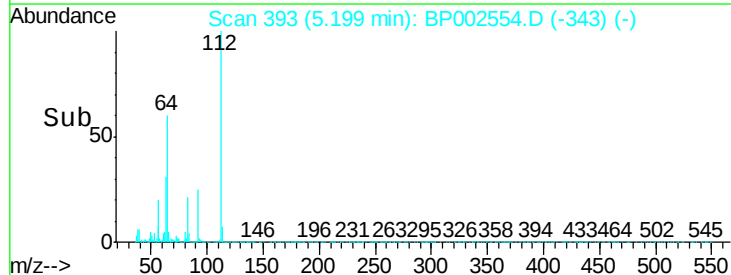
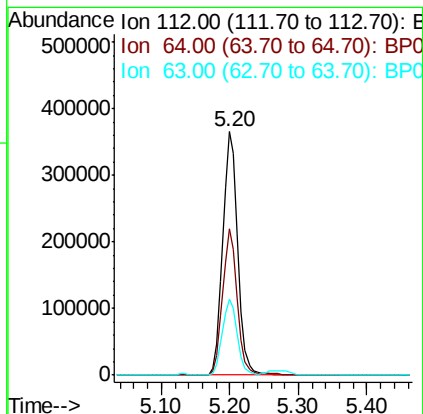
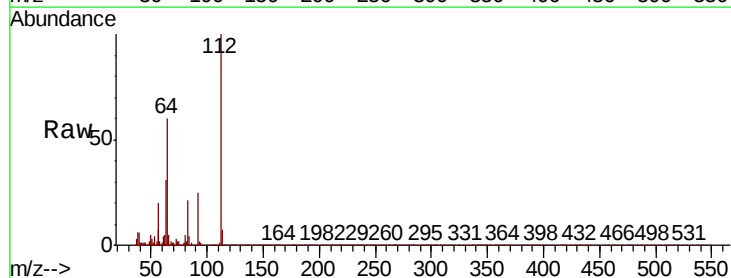
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.1 | 124.4 | 186.6 |
| 115     | 58.6  | 47.8  | 71.6  |

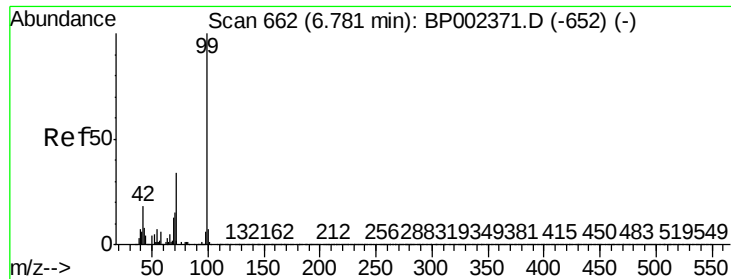


#5

2-Fluorophenol  
Concen: 50.123 ng  
RT: 5.20 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.0  | 46.4  | 69.6  |
| 63      | 31.3  | 25.0  | 37.6  |





#7

Phenol-d6

Concen: 28.529 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

Instrument :

BNA\_P

ClientSampleId :

WEST-2-18.0

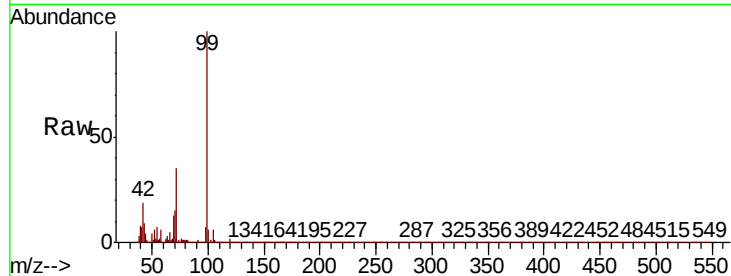
Tot Ion: 99 Resp: 418500

Ion Ratio Lower Upper

99 100

42 19.0 15.3 22.9

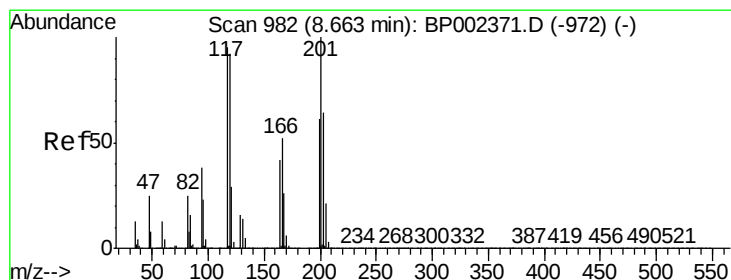
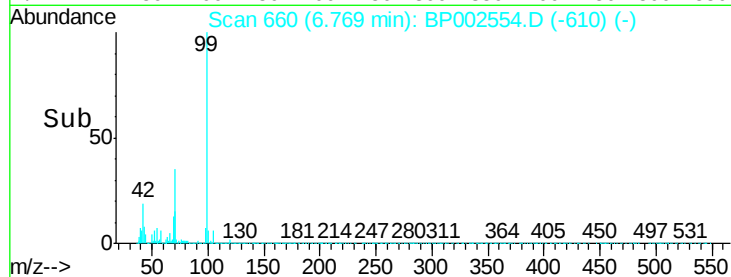
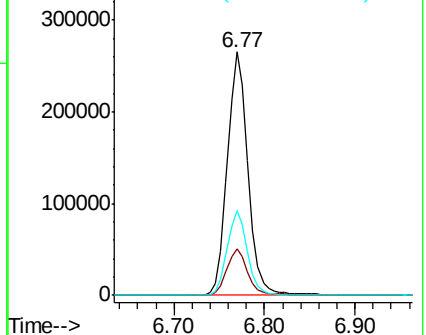
71 34.9 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BP002554.D (-610) (-)

Ion 42.00 (41.70 to 42.70): BP002554.D (-610) (-)

Ion 71.00 (70.70 to 71.70): BP002554.D (-610) (-)



#18

Hexachloroethane

Concen: 32.482 ng

RT: 8.69 min Scan# 986

Delta R.T. 0.04 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

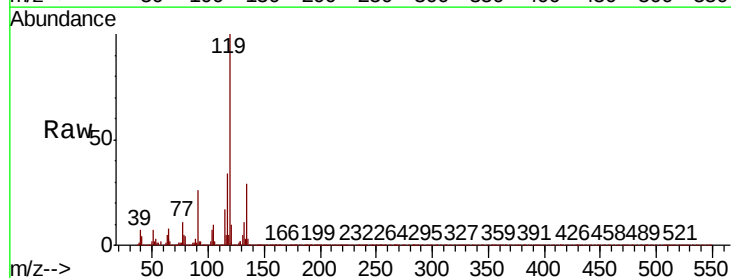
Tgt Ion: 117 Resp: 169839

Ion Ratio Lower Upper

117 100

119 289.9 77.9 116.9#

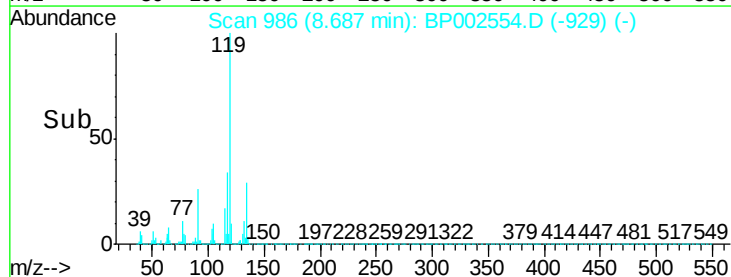
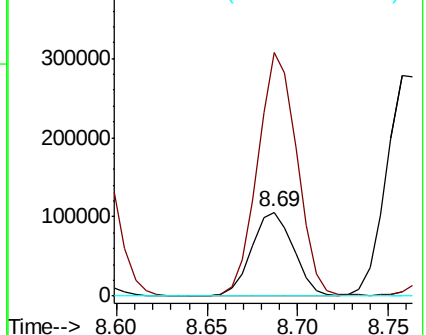
201 0.0 88.4 132.6#

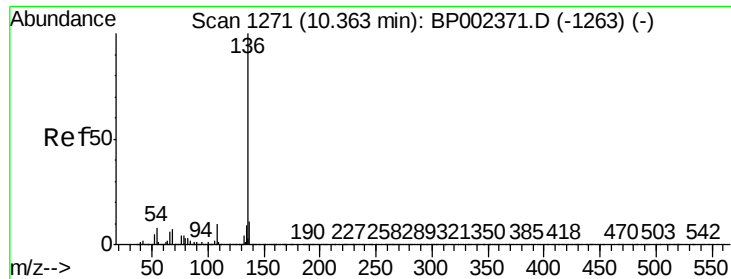


Abundance Ion 117.00 (116.70 to 117.70): BP002554.D (-929) (-)

Ion 119.00 (118.70 to 119.70): BP002554.D (-929) (-)

Ion 201.00 (200.70 to 201.70): BP002554.D (-929) (-)

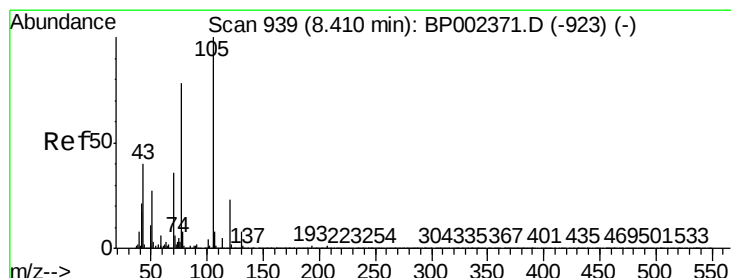
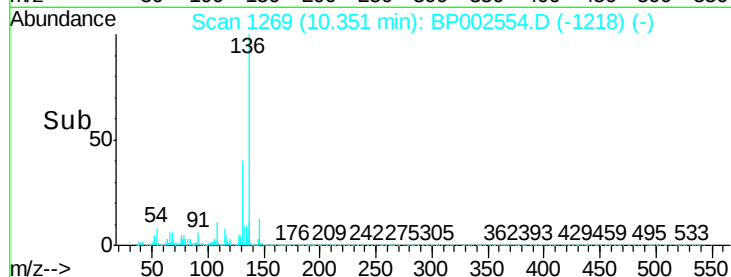
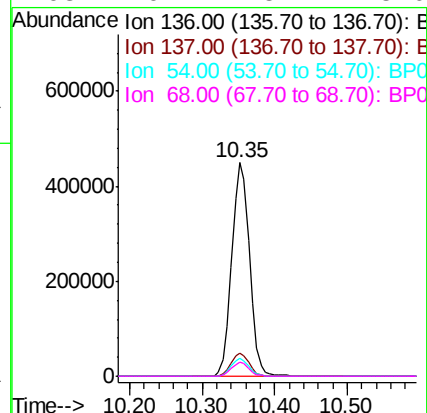
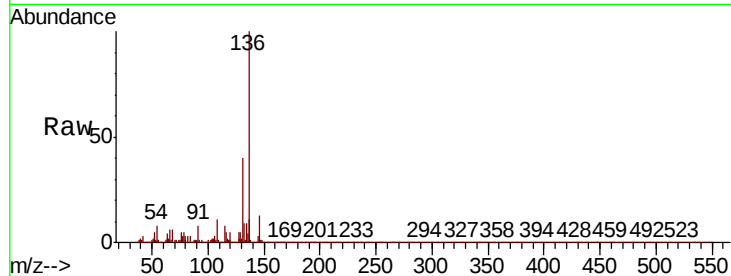




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.35 min Scan# 1269  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

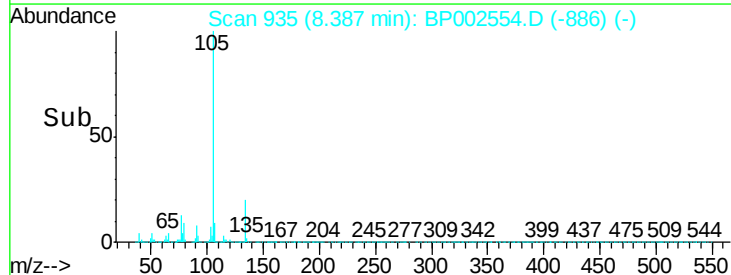
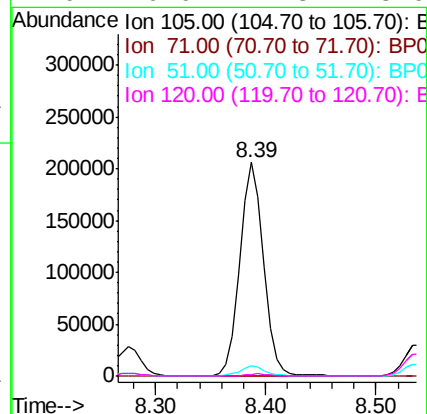
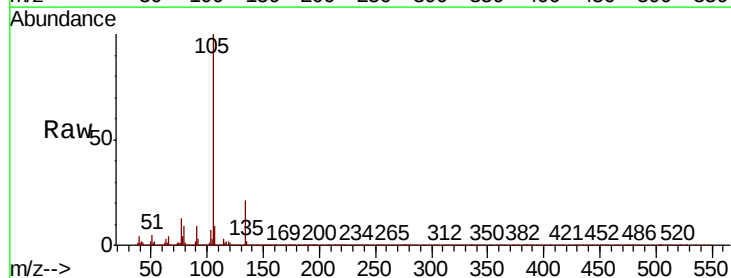
Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

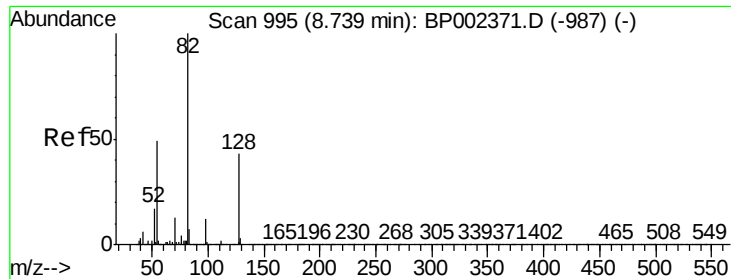
|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 764243 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 10.8    | 8.9   | 13.3   |
| 54 8.2      | 6.6   | 10.0   |
| 68 6.4      | 5.4   | 8.0    |



#22  
Acetophenone  
Concen: 18.033 ng  
RT: 8.39 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 309617 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 0.1     | 4.5   | 6.7#   |
| 51  | 4.7     | 21.9  | 32.9#  |
| 120 | 0.9     | 17.3  | 25.9#  |

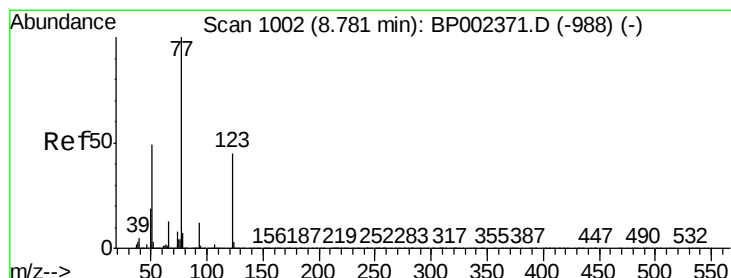
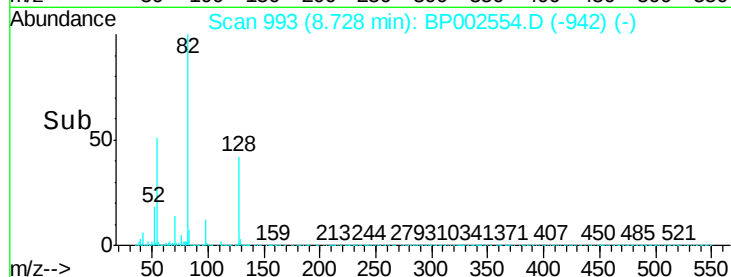
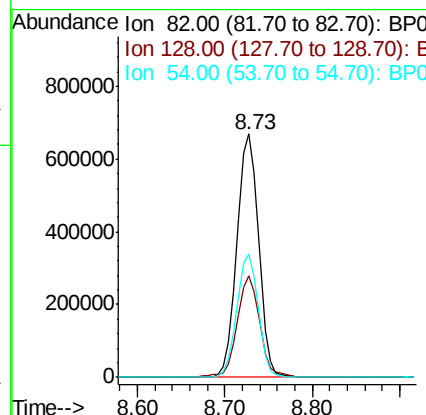
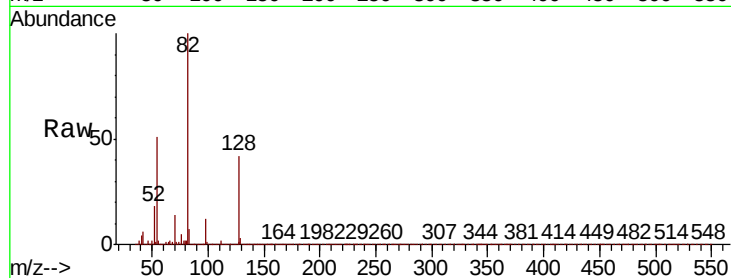




#23  
Nitrobenzene-d5  
Concen: 87.976 ng  
RT: 8.73 min Scan# 993  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

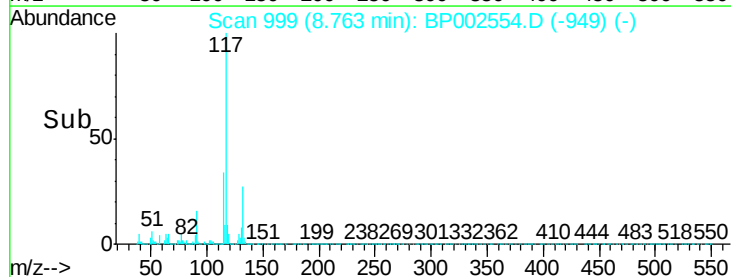
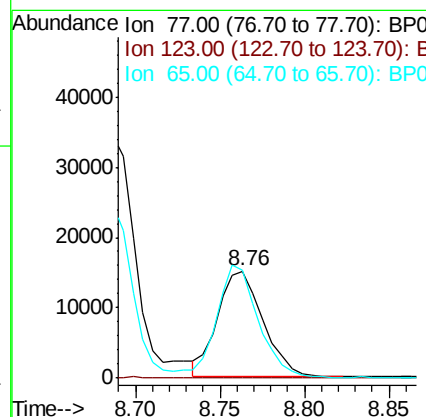
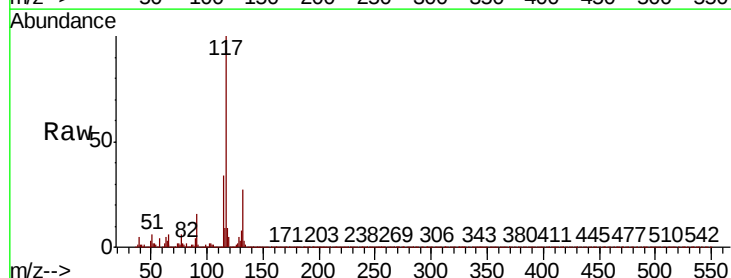
Instrument :  
BNA\_P  
ClientSampled :  
WEST-2-18.0

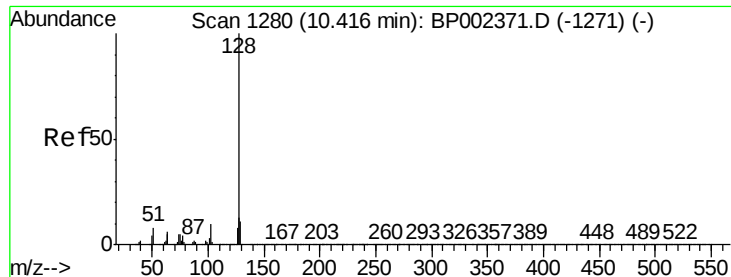
Tot Ion: 82 Resp: 1125853  
Ion Ratio Lower Upper  
82 100  
128 41.8 32.8 49.2  
54 50.6 39.9 59.9



#24  
Nitrobenzene  
Concen: 2.050 ng  
RT: 8.76 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

Tgt Ion: 77 Resp: 28202  
Ion Ratio Lower Upper  
77 100  
123 0.3 35.2 52.8#  
65 100.4 10.9 16.3#

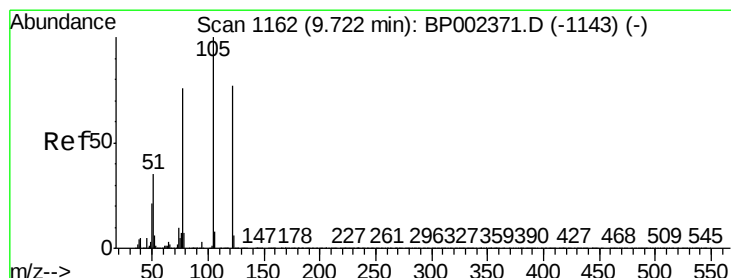
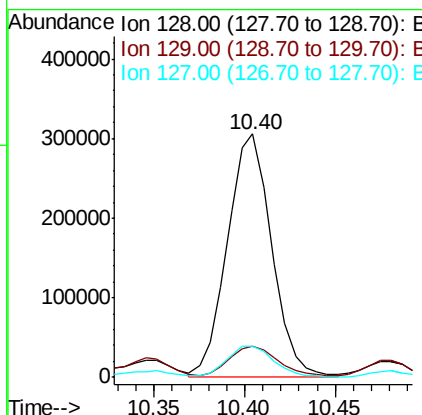
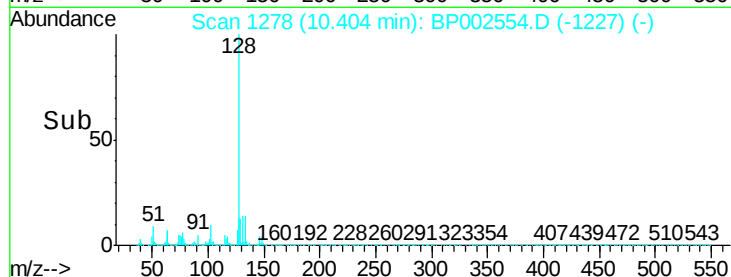
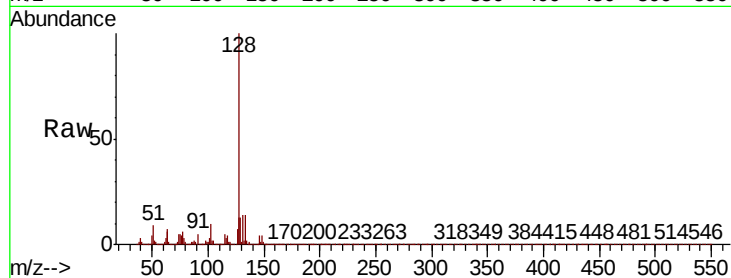




#31  
Naphthalene  
Concen: 14.624 ng  
RT: 10.40 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

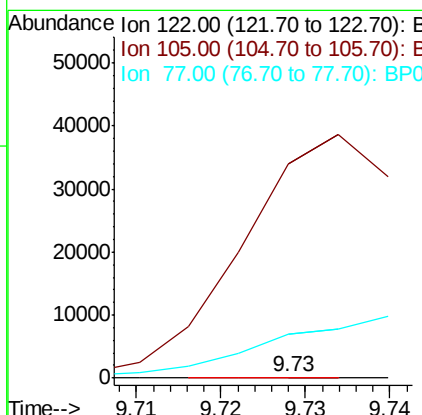
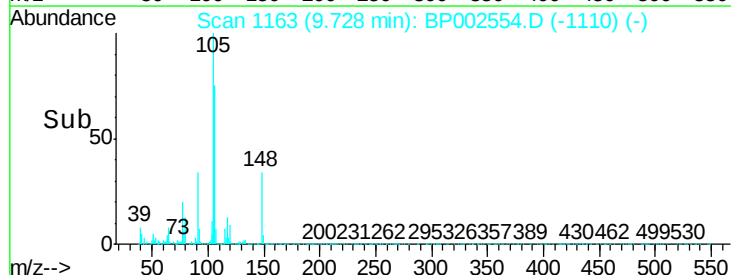
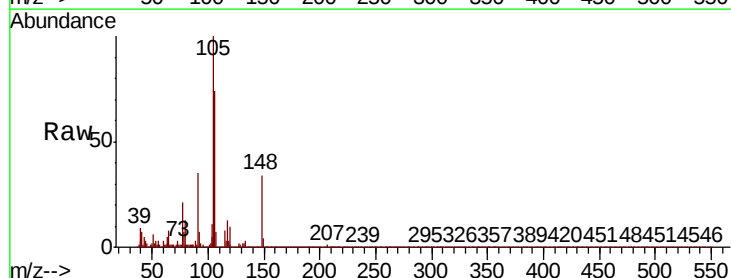
Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

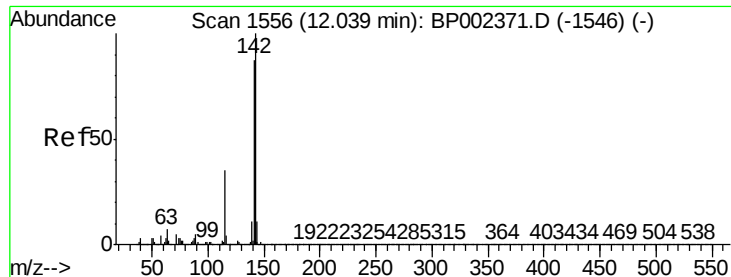
Tot Ion:128 Resp: 519224  
Ion Ratio Lower Upper  
128 100  
129 13.0 8.7 13.1  
127 13.0 10.4 15.6



#32  
Benzoic acid  
Concen: 4.607 ng  
RT: 9.73 min Scan# 1163  
Delta R.T. 0.01 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

Tgt Ion:122 Resp: 71  
Ion Ratio Lower Upper  
122 100  
105 22300.0 105.0 145.0#  
77 4581.6 76.9 116.9#

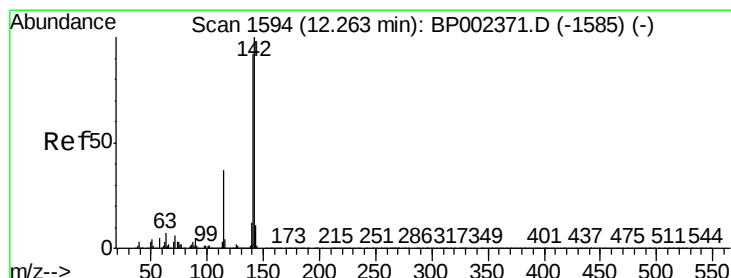
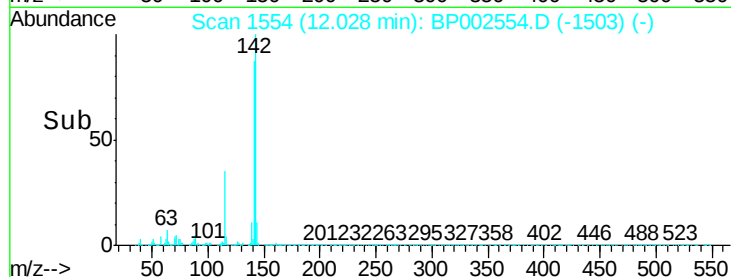
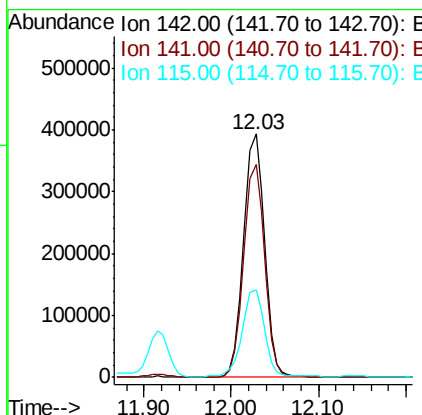
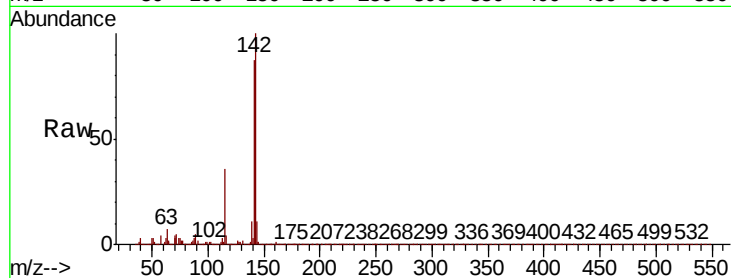




#37  
2-Methylnaphthalene  
Concen: 25.151 ng  
RT: 12.03 min Scan# 1554  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

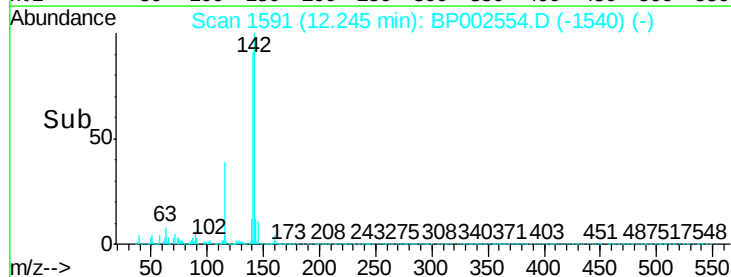
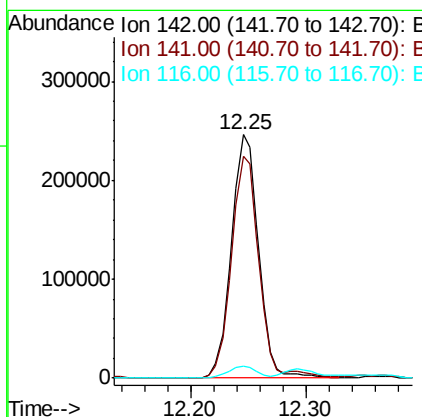
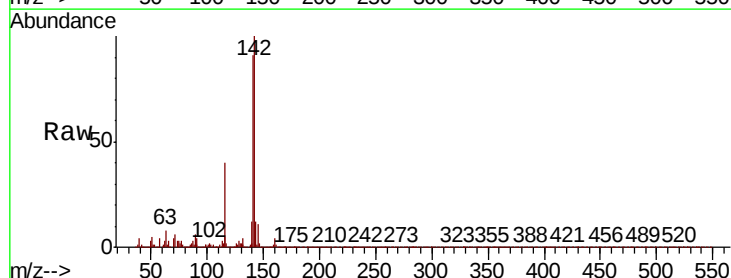
Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

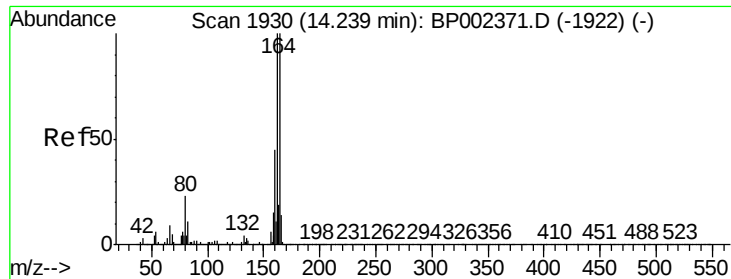
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.3  | 71.0  | 106.4 |
| 115     | 35.8  | 28.6  | 42.8  |



#38  
1-Methylnaphthalene  
Concen: 16.825 ng  
RT: 12.25 min Scan# 1591  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.1  | 72.1  | 108.1 |
| 116     | 4.7   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

Instrument :

BNA\_P

ClientSampleId :

WEST-2-18.0

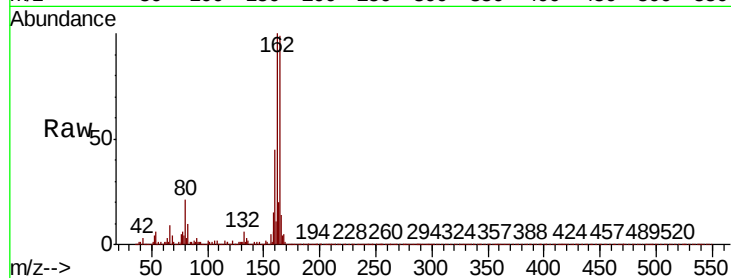
Tot Ion:164 Resp: 472749

Ion Ratio Lower Upper

164 100

162 101.2 80.6 121.0

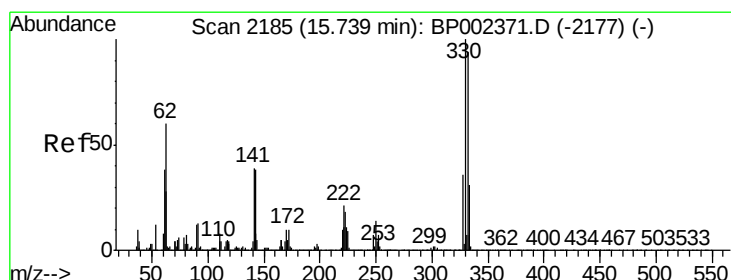
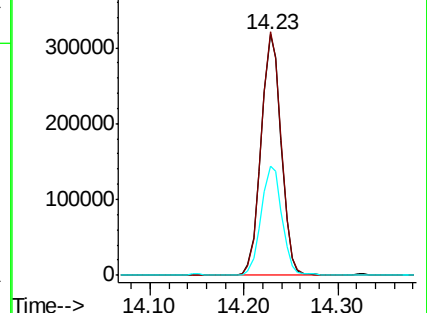
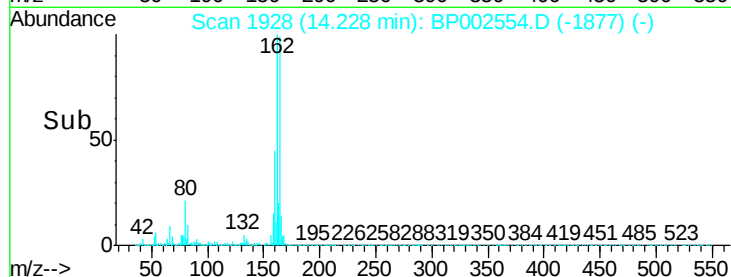
160 45.6 35.4 53.2



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: 145.377 ng

RT: 15.73 min Scan# 2184

Delta R.T. 0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

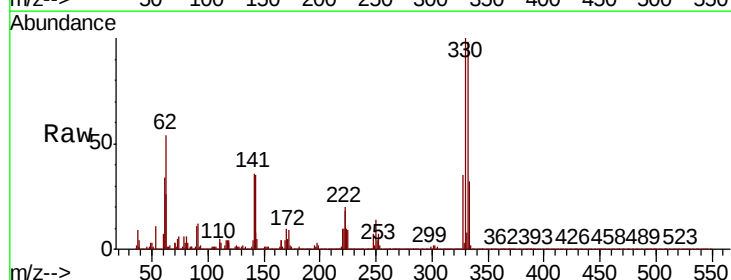
Tgt Ion:330 Resp: 658010

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

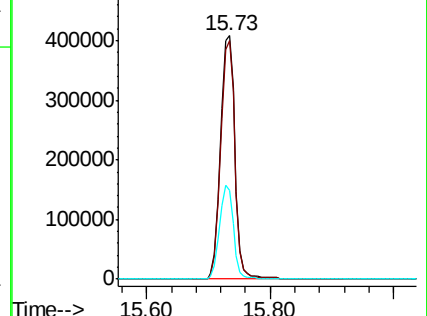
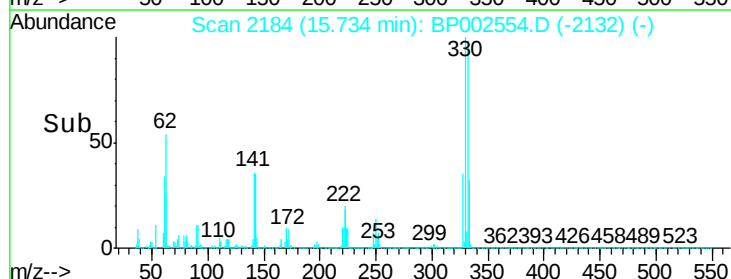
141 36.8 30.4 45.6

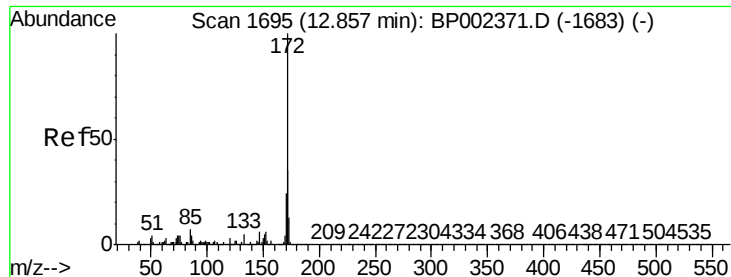


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

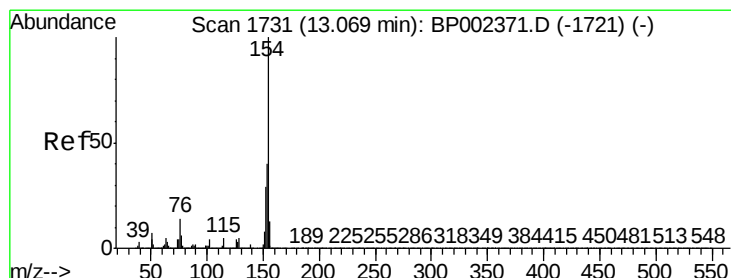
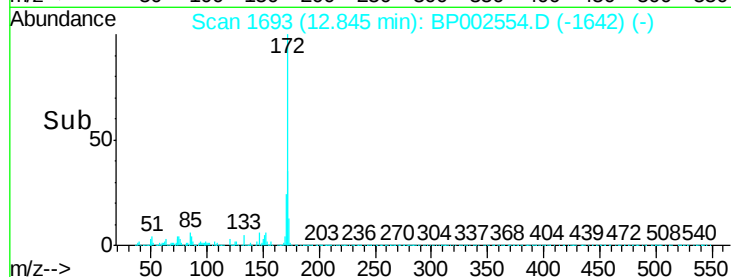
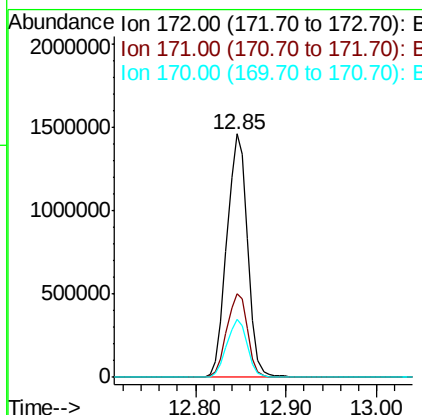
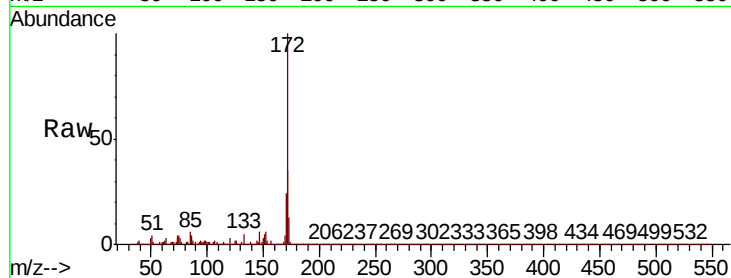




#45  
2-Fluorobiphenyl  
Concen: 82.506 ng  
RT: 12.85 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

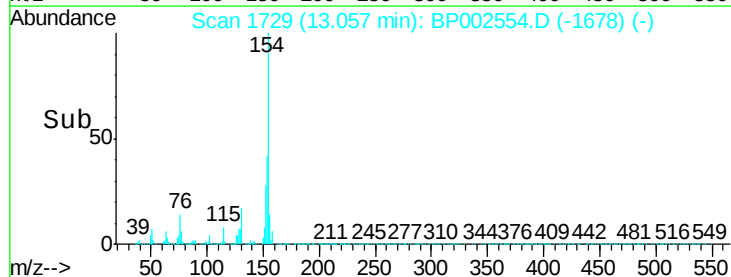
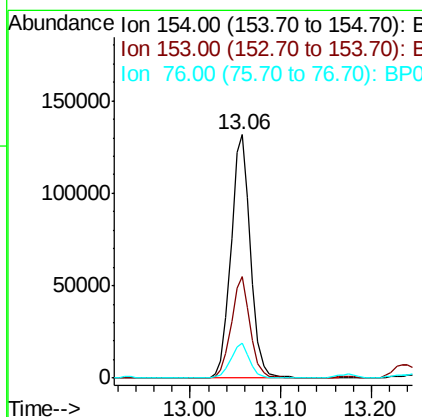
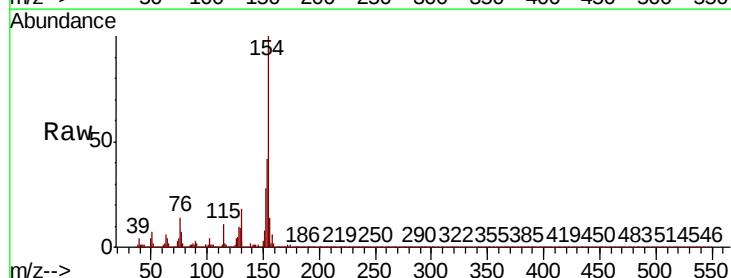
Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

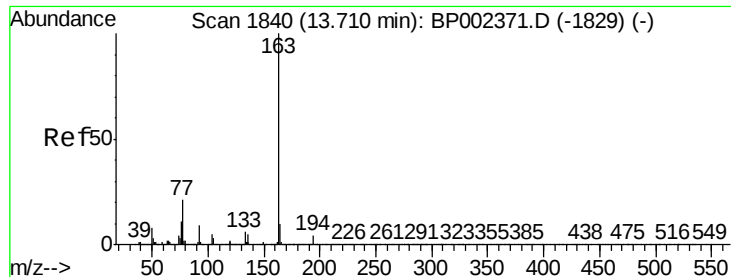
Tot Ion:172 Resp: 2319734  
Ion Ratio Lower Upper  
172 100  
171 34.6 27.9 41.9  
170 24.0 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 6.345 ng  
RT: 13.06 min Scan# 1729  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

Tgt Ion:154 Resp: 196592  
Ion Ratio Lower Upper  
154 100  
153 41.7 19.2 59.2  
76 14.2 0.0 33.2





#50

Dimethylphthalate

Concen: 13.492 ng

RT: 13.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

Instrument :

BNA\_P

ClientSampleId :

WEST-2-18.0

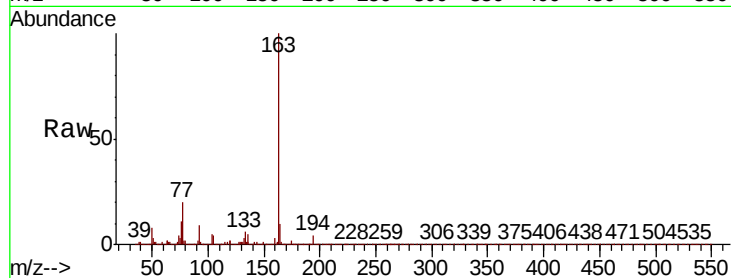
Tot Ion:163 Resp: 437054

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.0

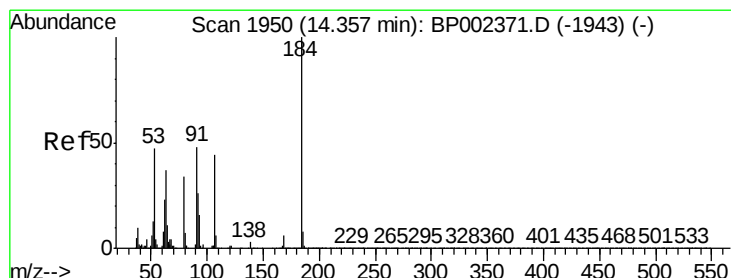
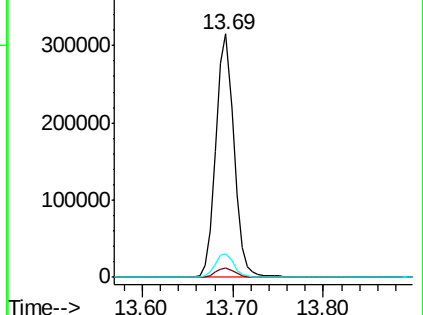
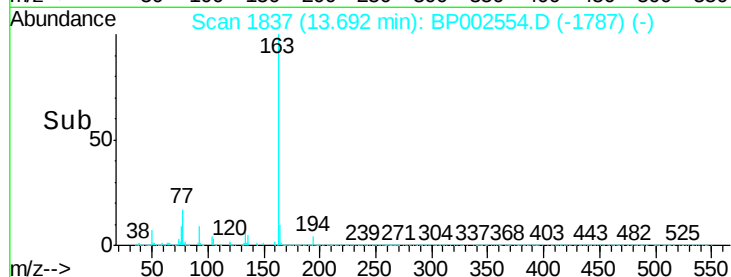
164 9.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 2.799 ng

RT: 14.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

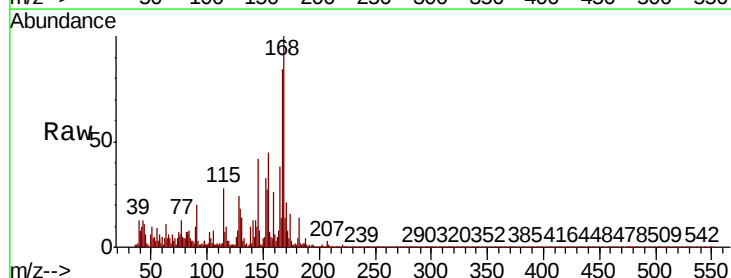
Tgt Ion:184 Resp: 55

Ion Ratio Lower Upper

184 100

63 1351.6 51.3 76.9#

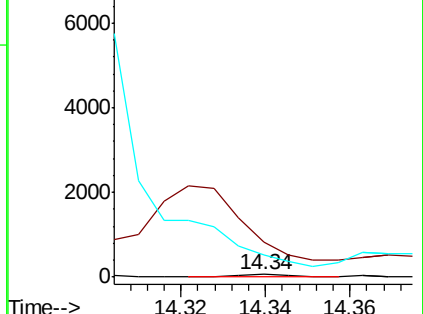
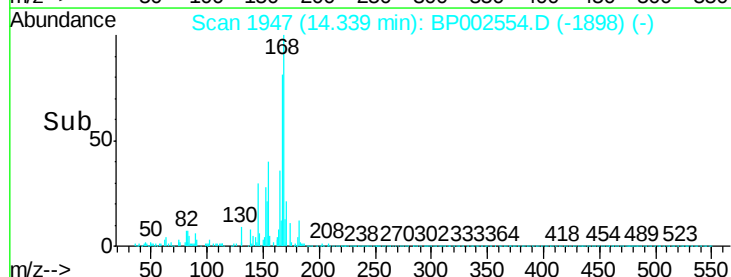
154 833.9 50.2 75.2#

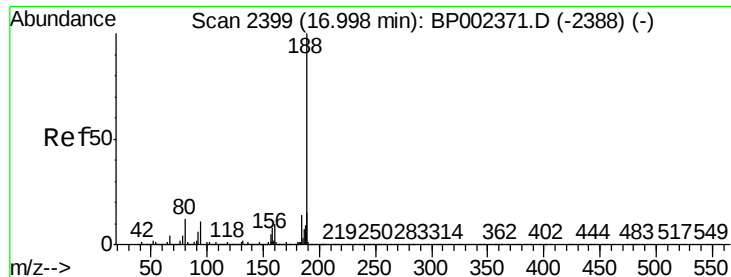


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

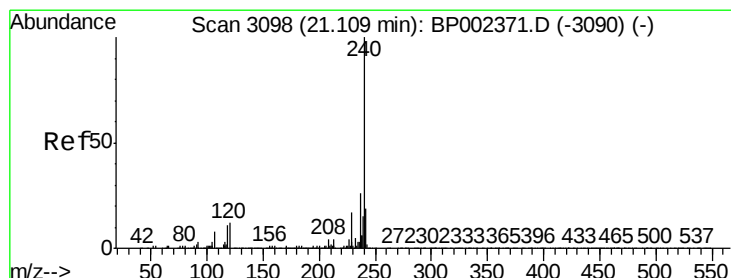
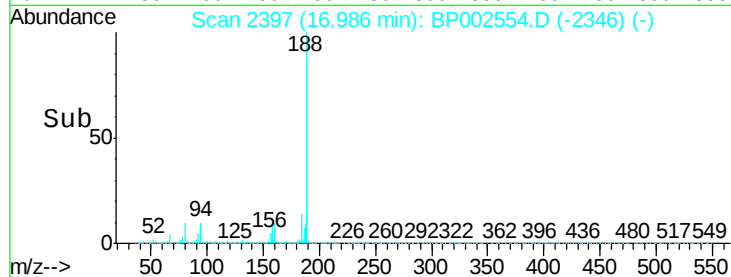
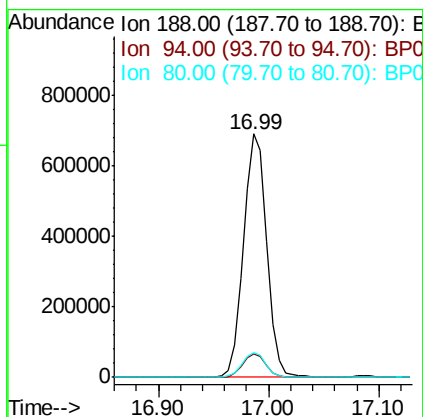
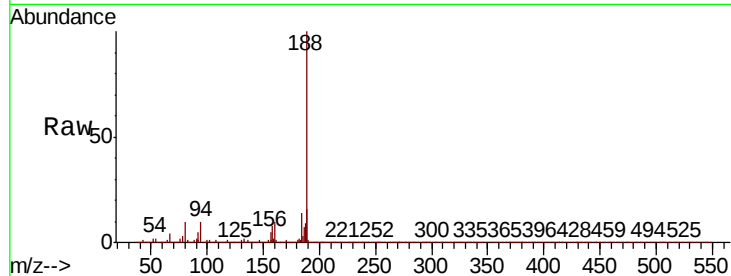




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2397  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

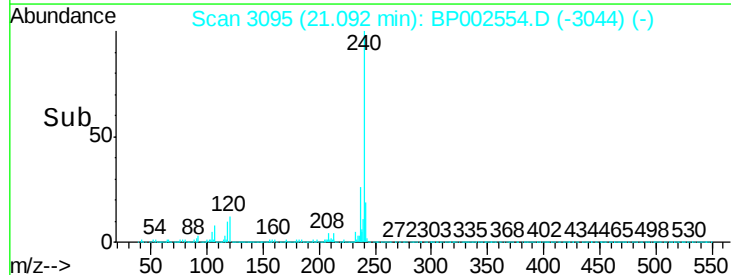
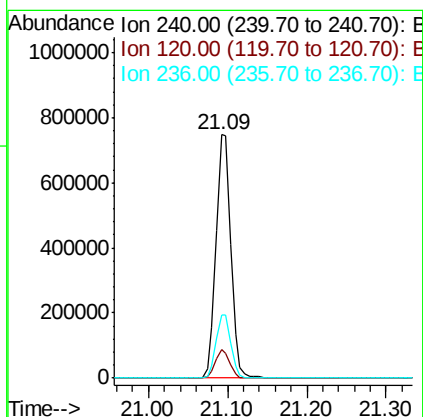
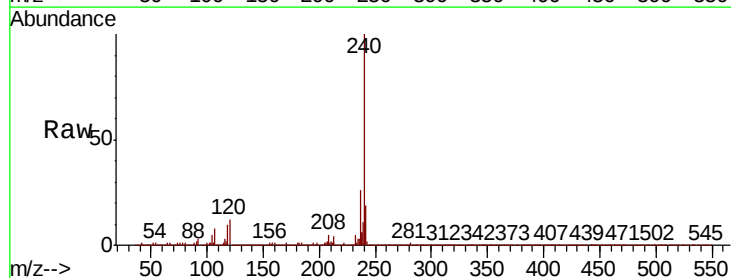
Instrument :  
BNA\_P  
ClientSampleId :  
WEST-2-18.0

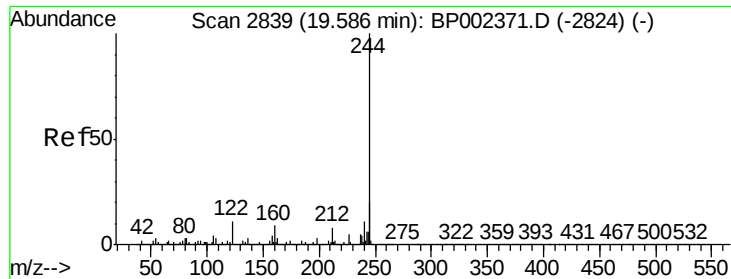
Tot Ion:188 Resp: 1019709  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.6 11.4  
80 10.3 8.3 12.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.09 min Scan# 3095  
Delta R.T. 0.00 min  
Lab File: BP002554.D  
Acq: 26 Jun 2020 16:48

Tgt Ion:240 Resp: 971691  
Ion Ratio Lower Upper  
240 100  
120 11.7 8.9 13.3  
236 26.1 21.7 32.5





#79

Terphenyl-d14

Concen: 106.483 ng

RT: 19.58 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

Instrument :

BNA\_P

ClientSampleId :

WEST-2-18.0

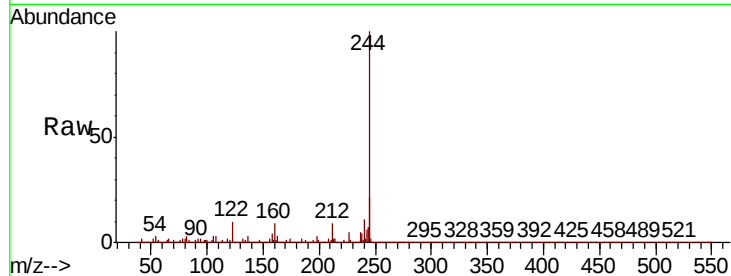
Tot Ion:244 Resp: 3760231

Ion Ratio Lower Upper

244 100

212 8.7 6.5 9.7

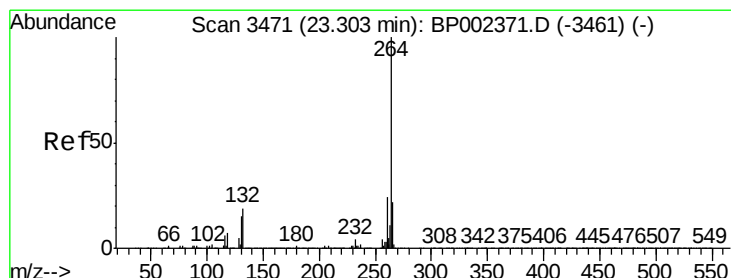
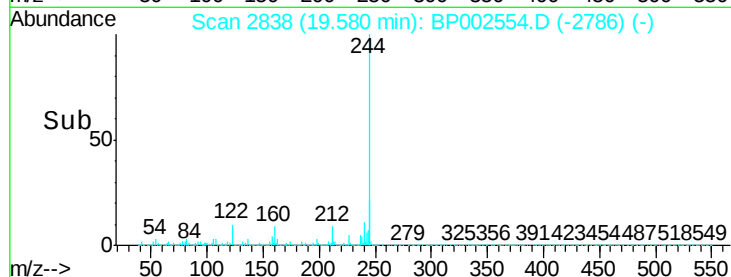
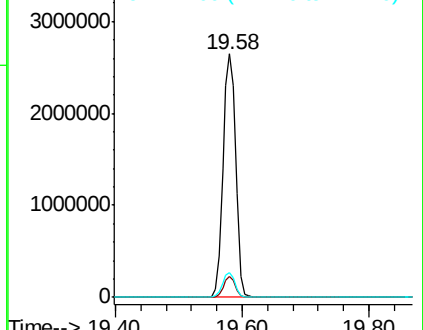
122 10.0 8.0 12.0



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: 23.29 min Scan# 3469

Delta R.T. 0.01 min

Lab File: BP002554.D

Acq: 26 Jun 2020 16:48

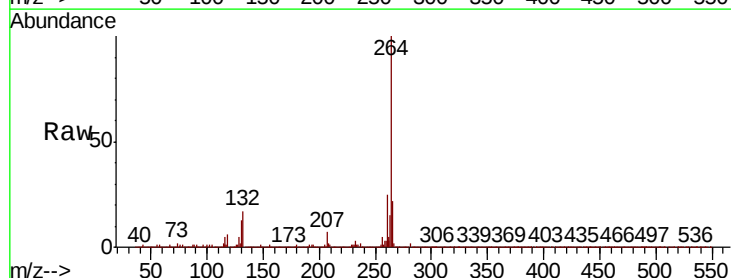
Tgt Ion:264 Resp: 895539

Ion Ratio Lower Upper

264 100

260 25.0 19.7 29.5

265 22.0 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

