

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062220\  
 Data File : BP002475.D  
 Acq On : 22 Jun 2020 10:32  
 Operator : CG/JU  
 Sample : PB129638BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129638BL

Quant Time: Jun 22 14:33:58 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 15:08:53 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.59  | 152  | 209610   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.36 | 136  | 845845   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.23 | 164  | 522790   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.00 | 188  | 1164148  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.10 | 240  | 1212712  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.30 | 264  | 1325795  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 1505714  | 132.92 | ng    | 0.00     |
| 7) Phenol-d6                | 6.78  | 99   | 1966356  | 130.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.73  | 82   | 1380013  | 97.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.74 | 330  | 740777   | 148.00 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.86 | 172  | 2725709  | 87.67  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.59 | 244  | 4139492  | 89.06  | ng    | 0.00     |

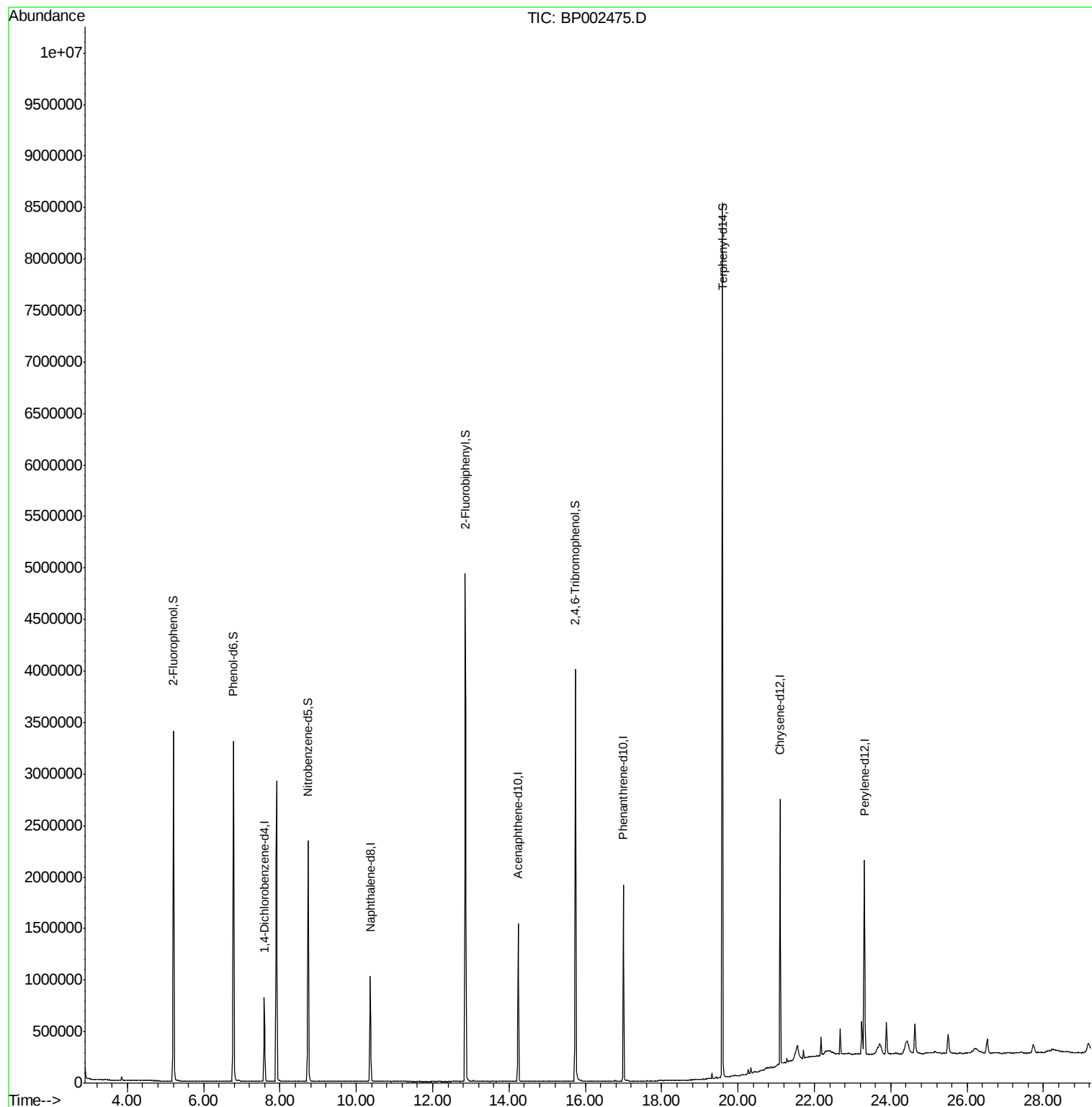
Target Compounds Qvalue

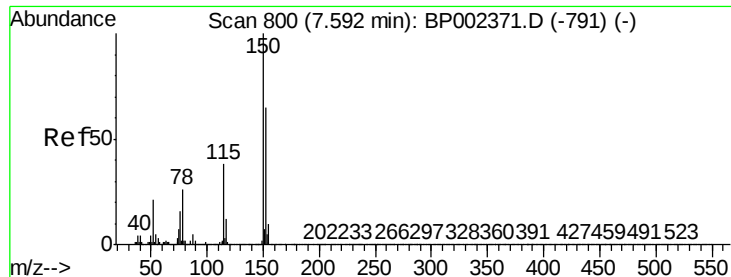
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

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BNA\_P  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M  
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QLast Update : Fri Jun 05 15:08:53 2020  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

Instrument :

BNA\_P

ClientSampleId :

PB129638BL

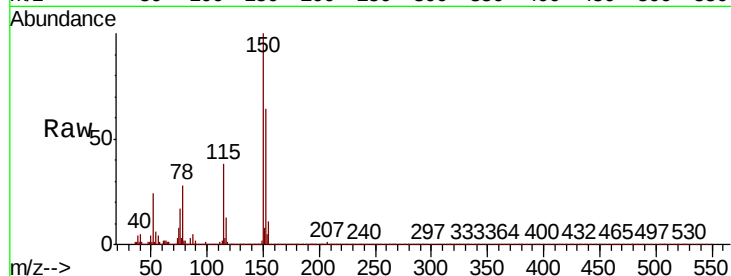
Tot Ion:152 Resp: 209610

Ion Ratio Lower Upper

152 100

150 156.1 124.0 186.0

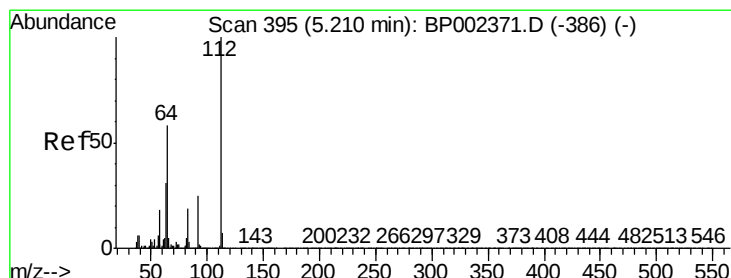
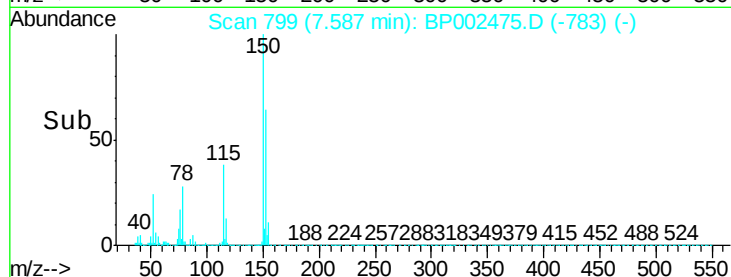
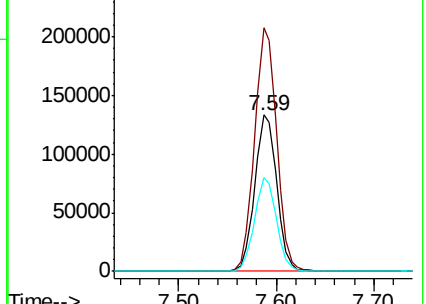
115 60.0 47.4 71.0



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: 132.923 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

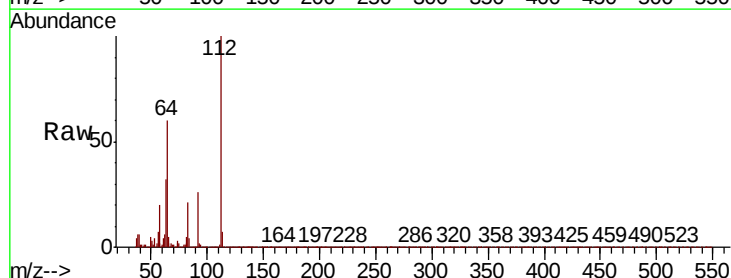
Tgt Ion:112 Resp: 1505714

Ion Ratio Lower Upper

112 100

64 59.7 46.2 69.2

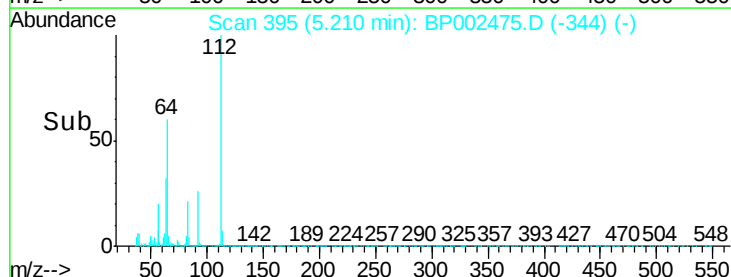
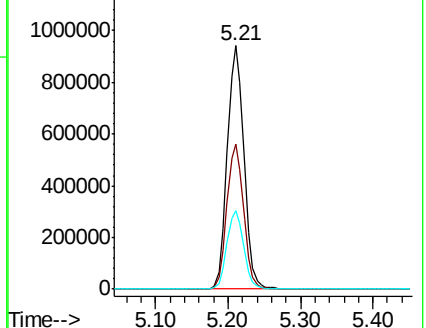
63 32.3 24.5 36.7

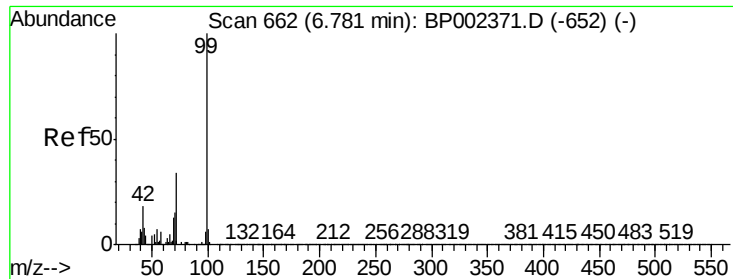


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 130.381 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

Instrument :

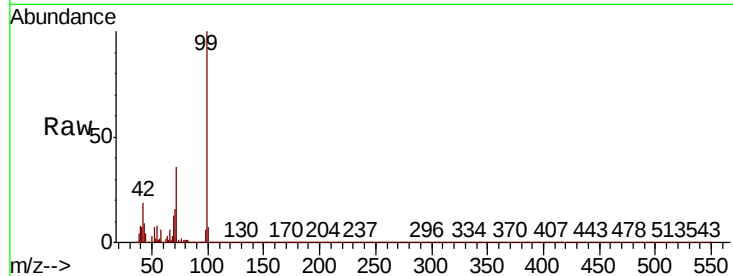
BNA\_P

ClientSampleId :

PB129638BL

Tot Ion: 99 Resp: 1966356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.3  | 14.6  | 22.0  |
| 71  | 36.0  | 27.2  | 40.8  |



Abundance

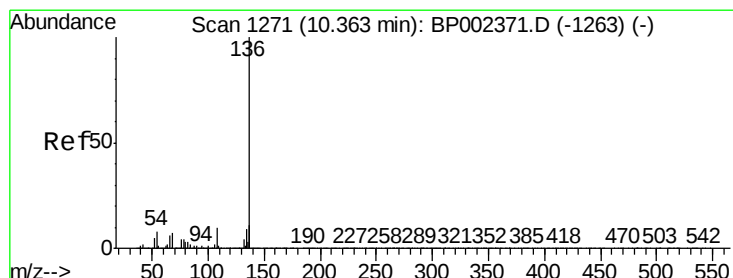
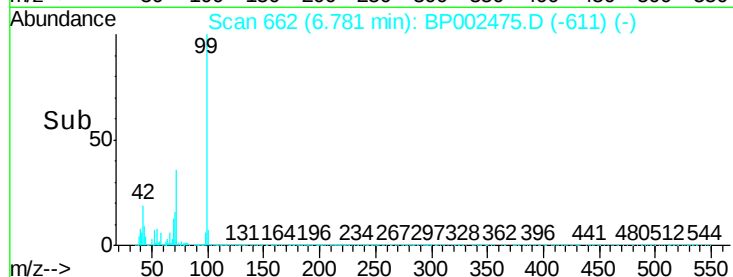
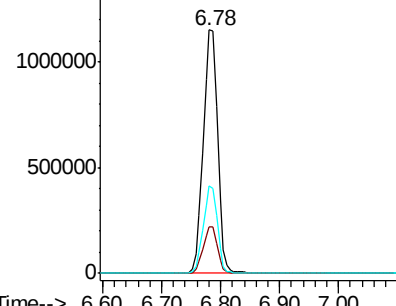
Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

6.78

Time--> 6.60 6.70 6.80 6.90 7.00



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1271

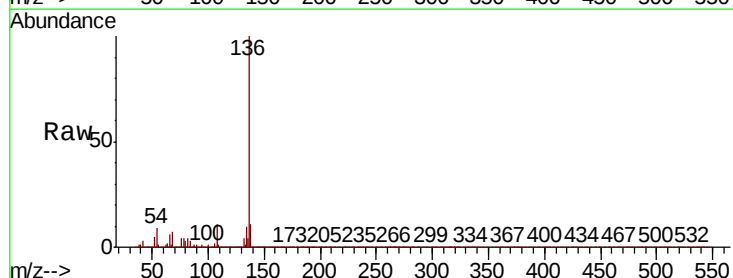
Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

Tgt Ion: 136 Resp: 845845

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 8.5   | 6.4   | 9.6   |
| 68  | 7.0   | 5.6   | 8.4   |



Abundance

Ion 136.00 (135.70 to 136.70): E

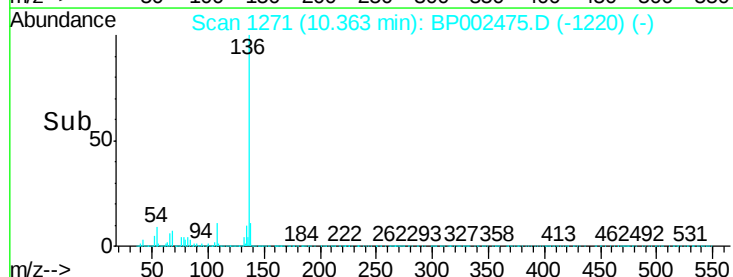
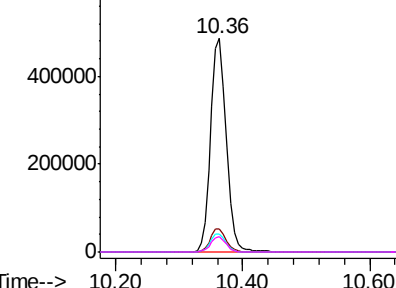
Ion 137.00 (136.70 to 137.70): E

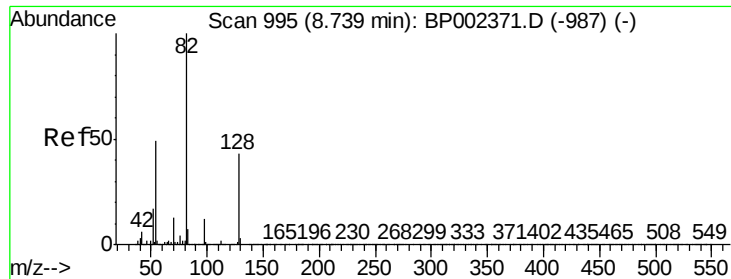
Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

10.36

Time--> 10.20 10.40 10.60

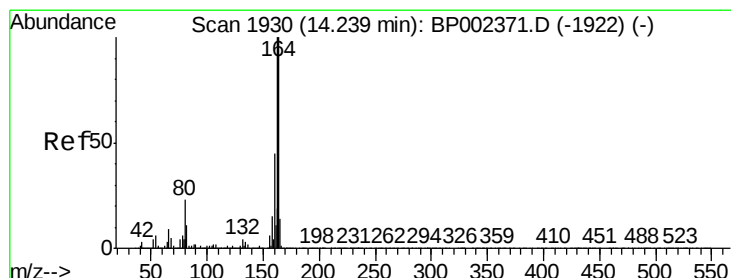
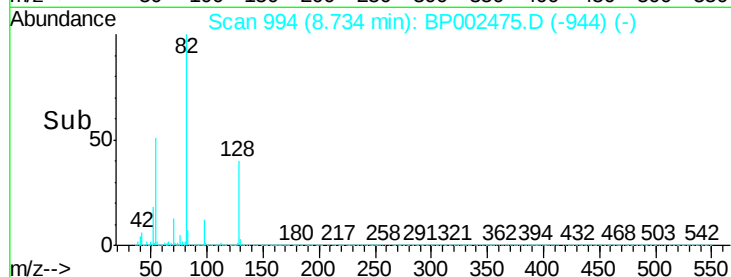
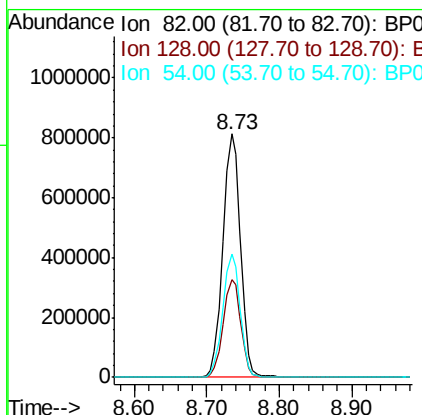
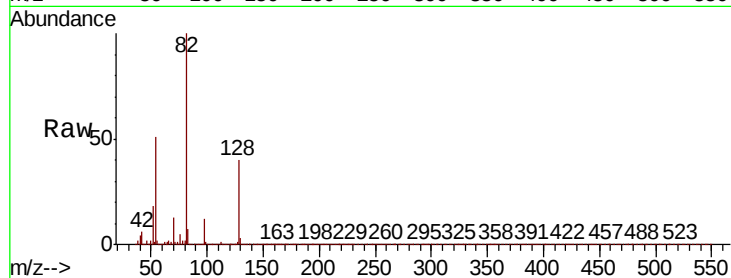




#23  
Nitrobenzene-d5  
Concen: 97.433 ng  
RT: 8.73 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: BP002475.D  
Acq: 22 Jun 2020 10:32

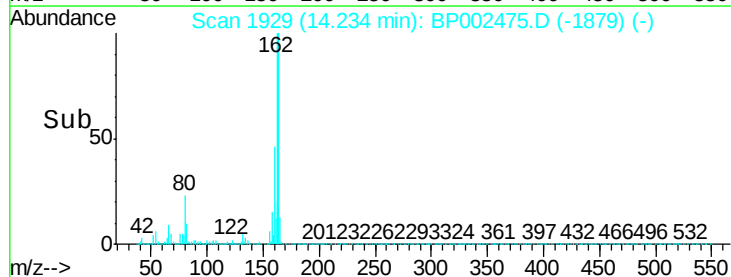
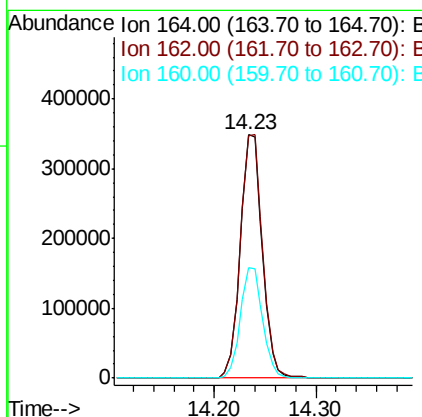
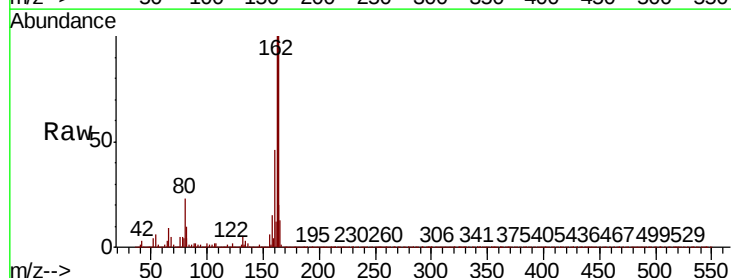
Instrument :  
BNA\_P  
ClientSampleId :  
PB129638BL

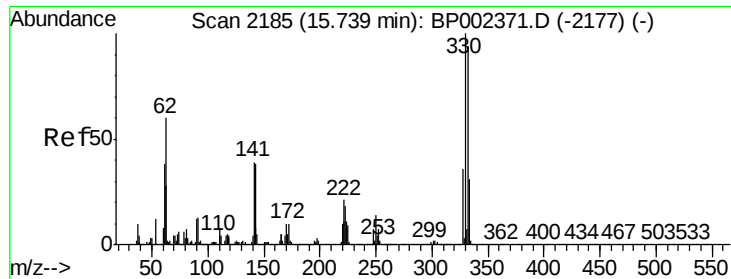
Tot Ion: 82 Resp: 1380013  
Ion Ratio Lower Upper  
82 100  
128 40.1 34.5 51.7  
54 50.6 39.4 59.2



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.23 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BP002475.D  
Acq: 22 Jun 2020 10:32

Tgt Ion:164 Resp: 522790  
Ion Ratio Lower Upper  
164 100  
162 99.8 79.8 119.8  
160 45.6 36.2 54.2

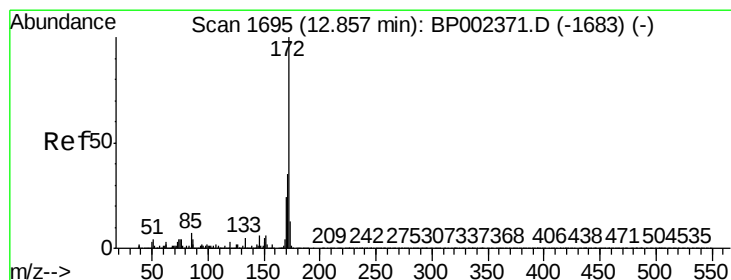
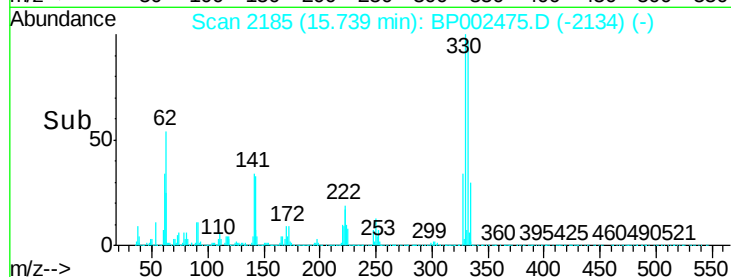
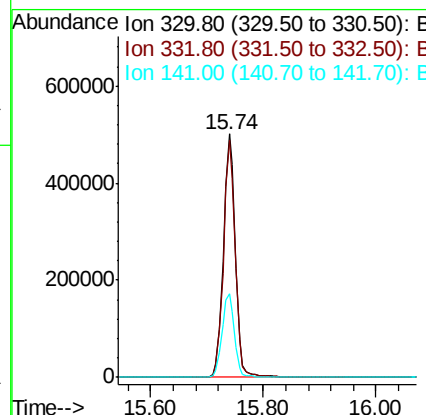
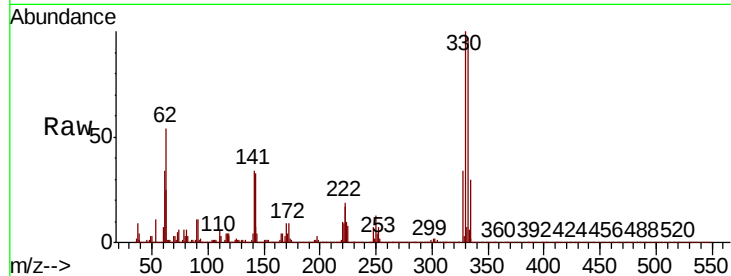




#42  
 2,4,6-Tribromophenol  
 Concen: 147.997 ng  
 RT: 15.74 min Scan# 2185  
 Delta R.T. 0.00 min  
 Lab File: BP002475.D  
 Acq: 22 Jun 2020 10:32

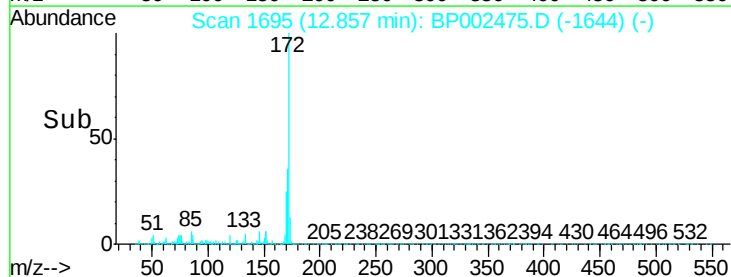
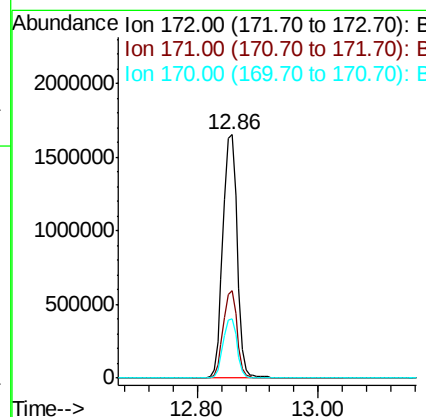
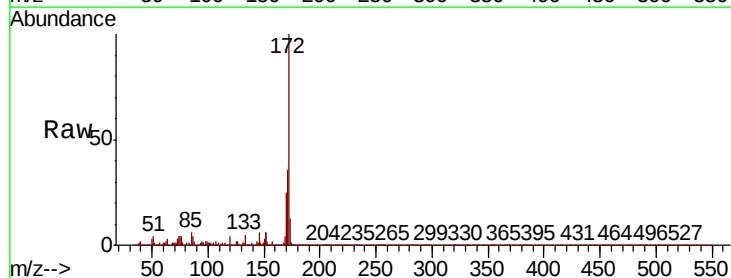
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB129638BL

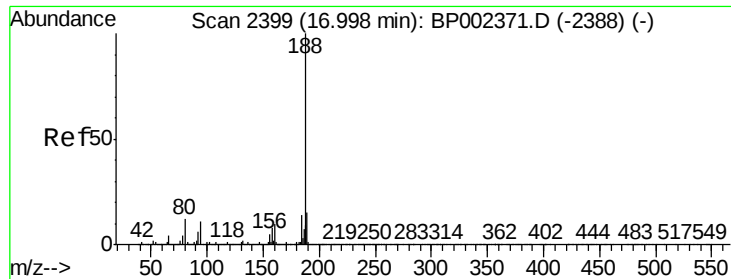
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 76.6  | 115.0 |
| 141     | 35.9  | 30.3  | 45.5  |



#45  
 2-Fluorobiphenyl  
 Concen: 87.665 ng  
 RT: 12.86 min Scan# 1695  
 Delta R.T. 0.00 min  
 Lab File: BP002475.D  
 Acq: 22 Jun 2020 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 27.8  | 41.8  |
| 170     | 24.5  | 19.0  | 28.6  |





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

Instrument :

BNA\_P

ClientSampleId :

PB129638BL

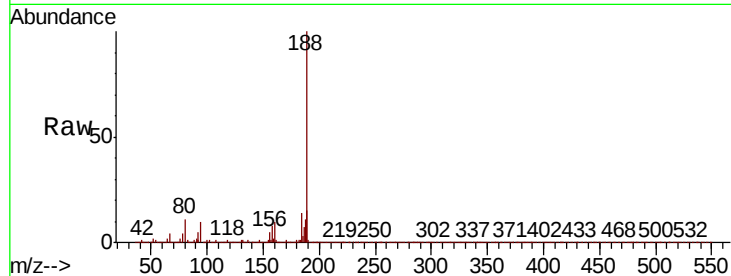
Tot Ion:188 Resp: 1164148

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

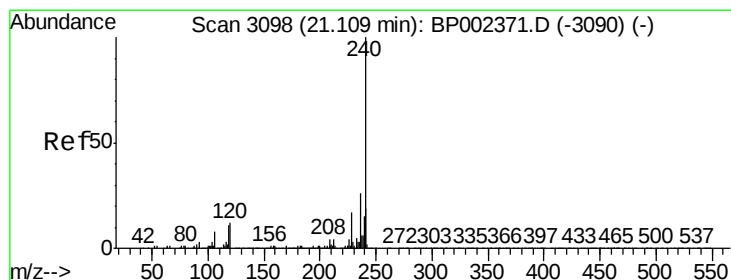
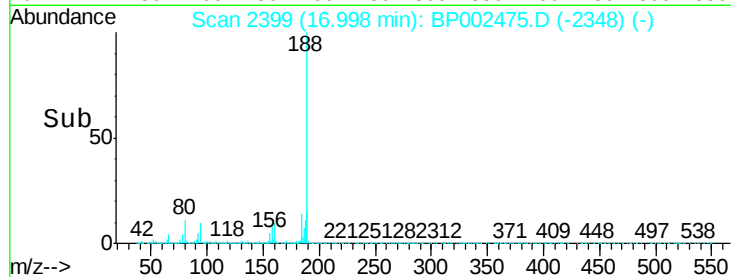
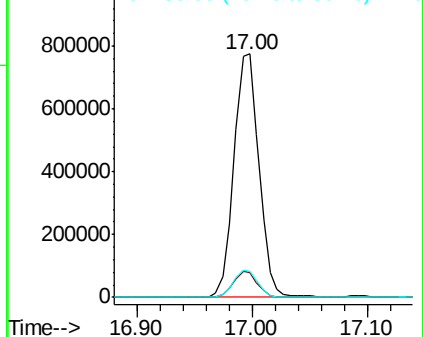
80 10.7 9.4 14.0



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: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

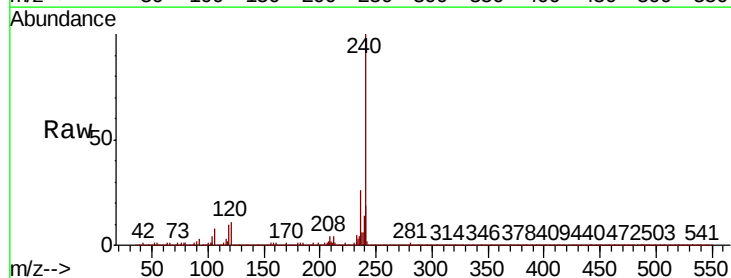
Tgt Ion:240 Resp: 1212712

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

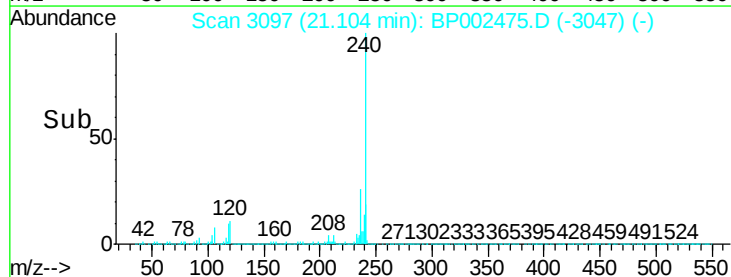
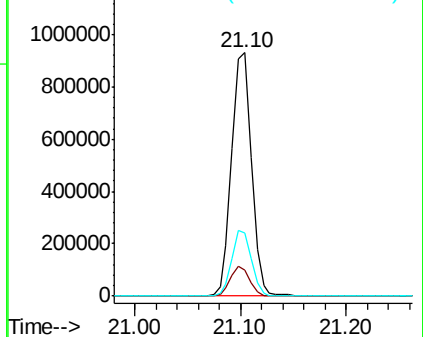
236 25.8 21.0 31.6

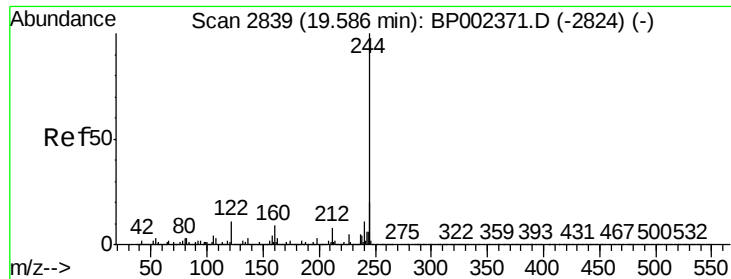


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 89.064 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

Instrument :

BNA\_P

ClientSampleId :

PB129638BL

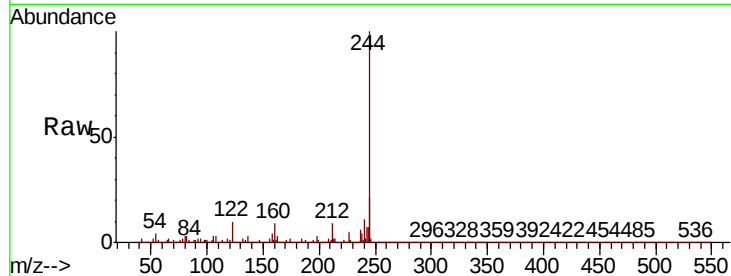
Tot Ion:244 Resp: 4139492

Ion Ratio Lower Upper

244 100

212 8.9 6.6 10.0

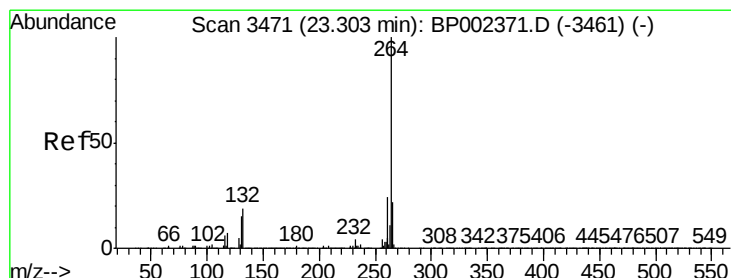
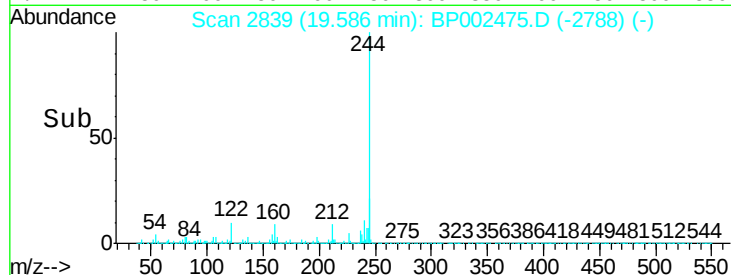
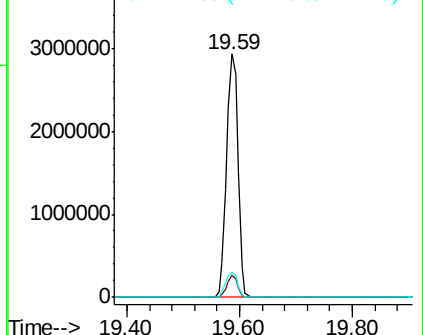
122 10.3 8.8 13.2



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: 23.30 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BP002475.D

Acq: 22 Jun 2020 10:32

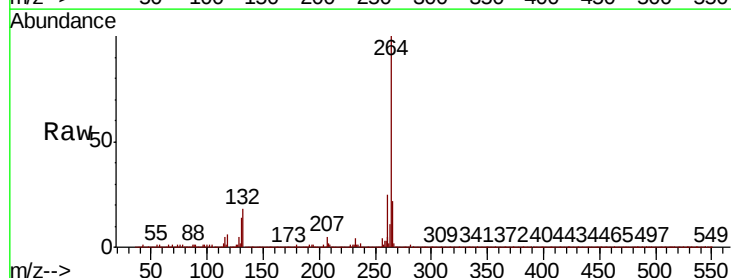
Tgt Ion:264 Resp: 1325795

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.0

265 22.1 17.4 26.2



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

