

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011419\  
 Data File : BM018554.D  
 Acq On : 14 Jan 2019 16:47  
 Operator : JU/SJ  
 Sample : PB116347BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB116347BL

Quant Time: Jan 14 23:38:16 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 10 05:57:41 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.75  | 152  | 273338   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.55 | 136  | 1086275  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.40 | 164  | 642071   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.15 | 188  | 1579414  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.34 | 240  | 1810832  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.63 | 264  | 1928930  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 2032612  | 137.31 | ng    | 0.00     |
| 7) Phenol-d6                | 6.93  | 99   | 2596461  | 138.10 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.92  | 82   | 1548984  | 82.66  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.90 | 330  | 1236723  | 151.27 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.02 | 172  | 4006502  | 81.42  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.79 | 244  | 7204023  | 83.86  | ng    | 0.00     |

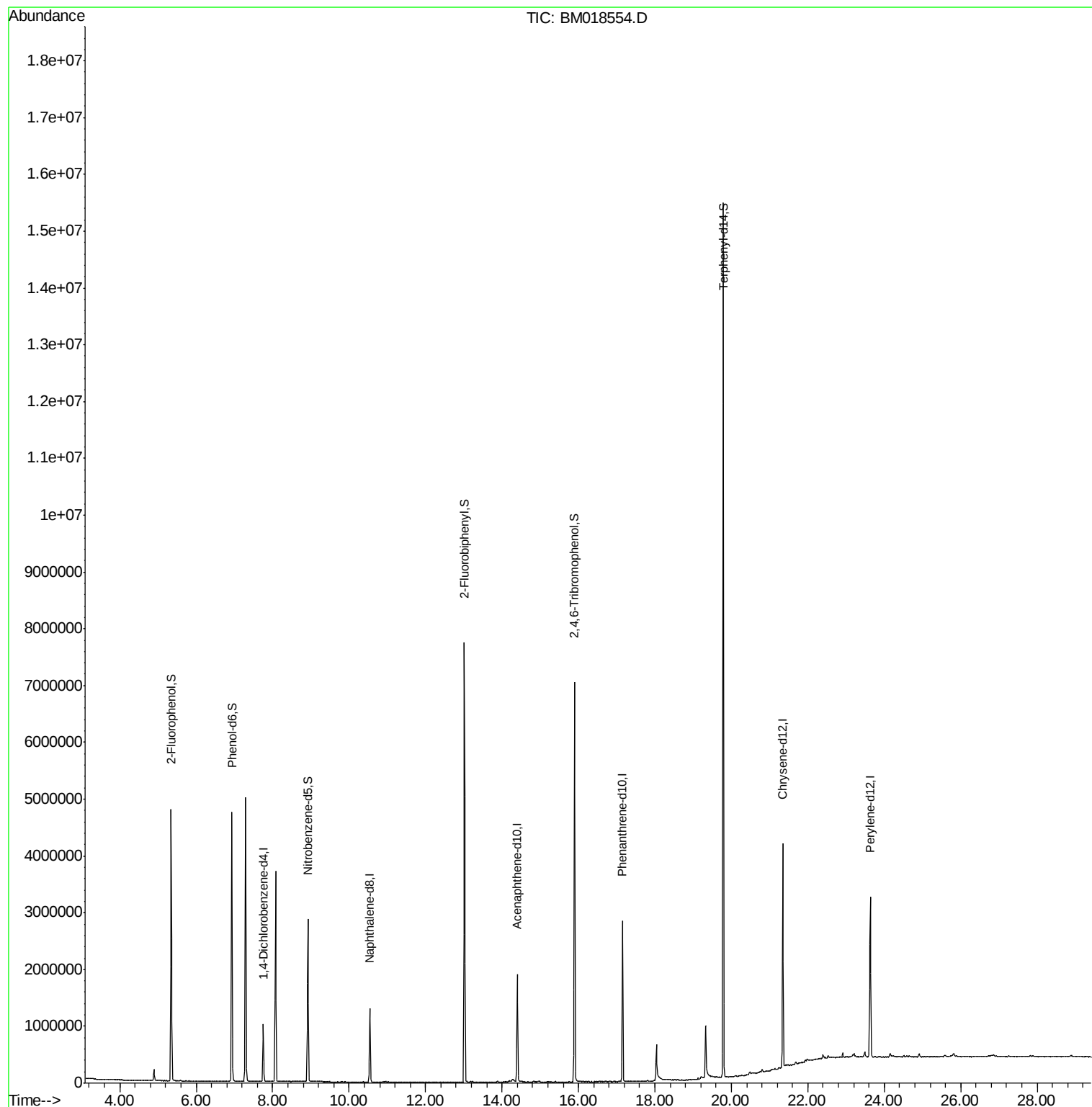
Target Compounds Qvalue

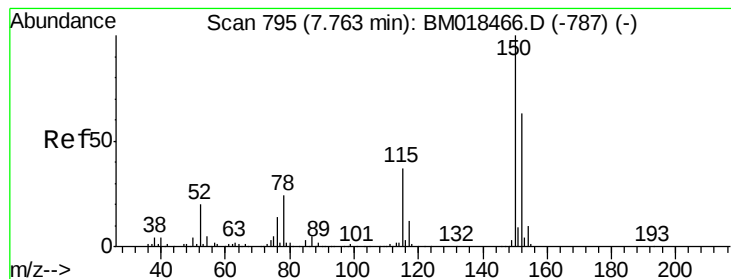
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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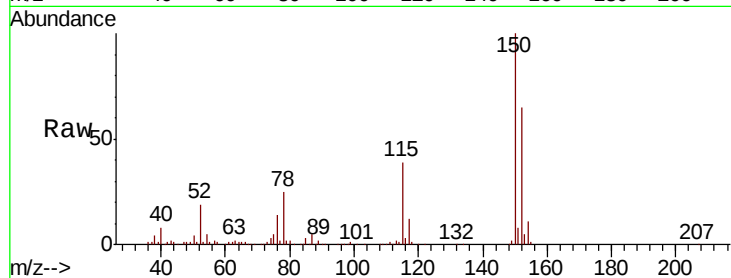


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.75 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BM018554.D  
Acq: 14 Jan 2019 16:47

Instrument :  
BNA\_M  
ClientSampleId :  
PB116347BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.9 | 126.9 | 190.3 |
| 115     | 59.8  | 45.5  | 68.3  |

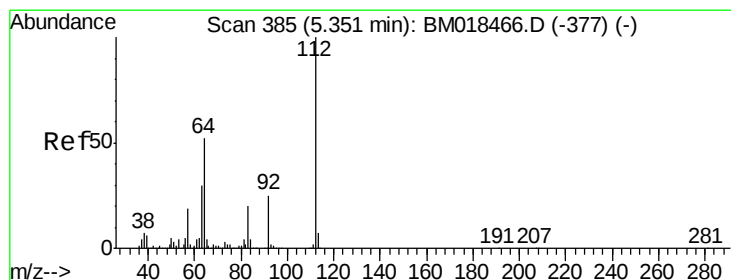
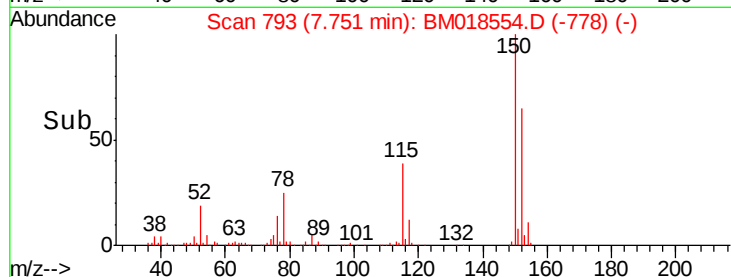
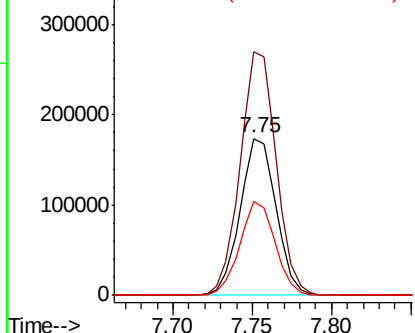


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

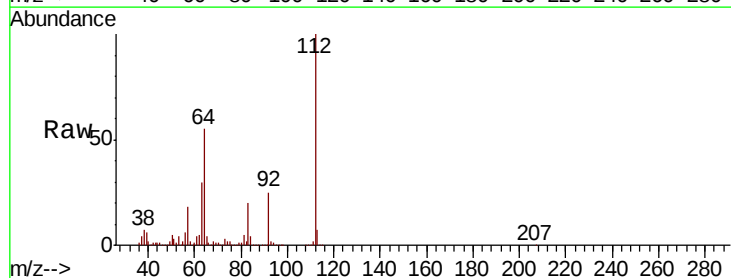
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 137.310 ng  
RT: 5.35 min Scan# 384  
Delta R.T. -0.01 min  
Lab File: BM018554.D  
Acq: 14 Jan 2019 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.7  | 46.5  | 69.7  |
| 63      | 30.0  | 25.2  | 37.8  |

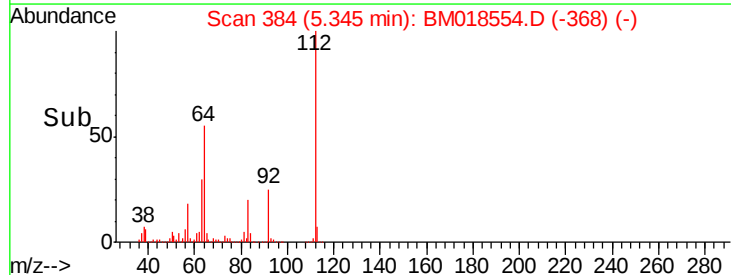
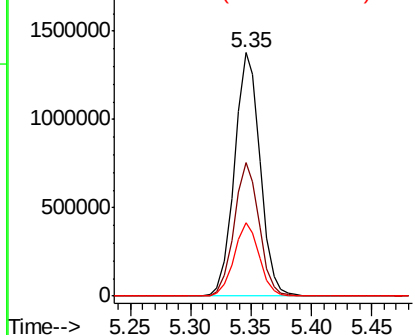


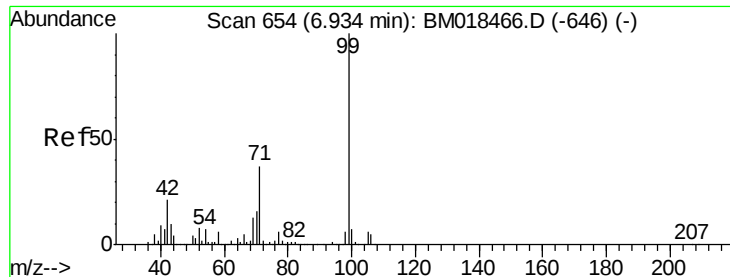
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 138.097 ng

RT: 6.93 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

Instrument :

BNA\_M

ClientSampleId :

PB116347BL

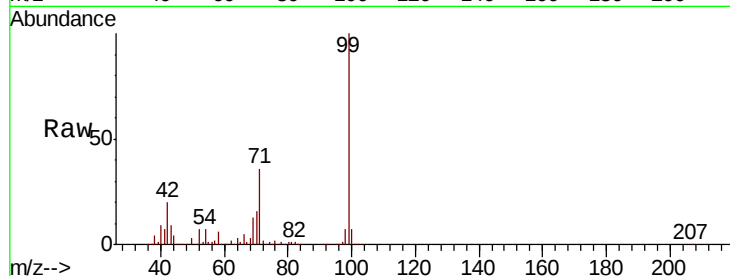
Tot Ion: 99 Resp: 2596461

Ion Ratio Lower Upper

99 100

42 19.6 17.3 25.9

71 36.3 28.0 42.0

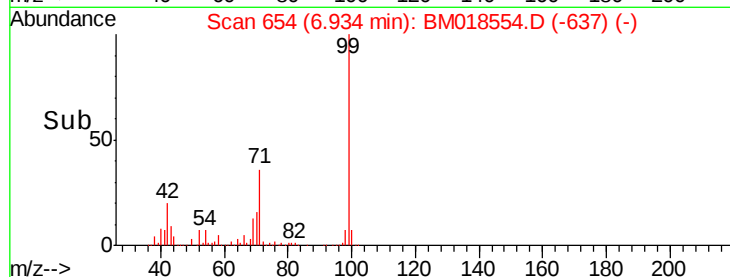


Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)

Time-->

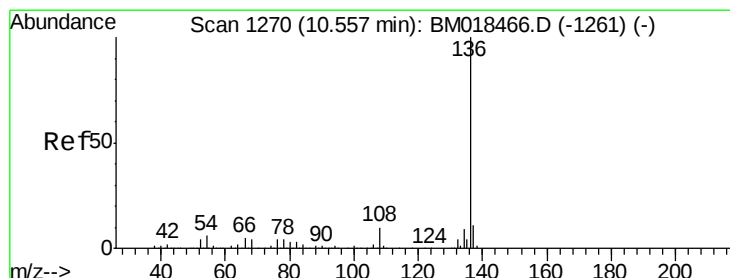


Abundance Ion 99.00 (98.70 to 99.70): BM018554.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018554.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018554.D (-637) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

Tgt Ion: 136 Resp: 1086275

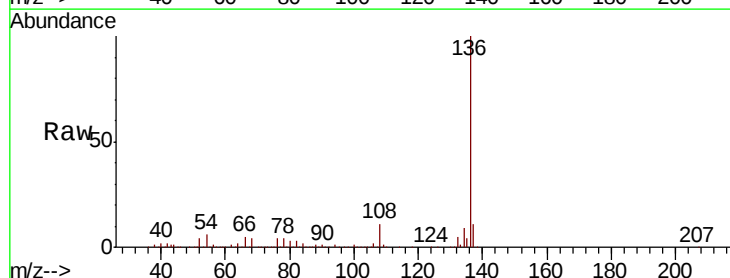
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.4 6.0 9.0

68 4.4 4.5 6.7#



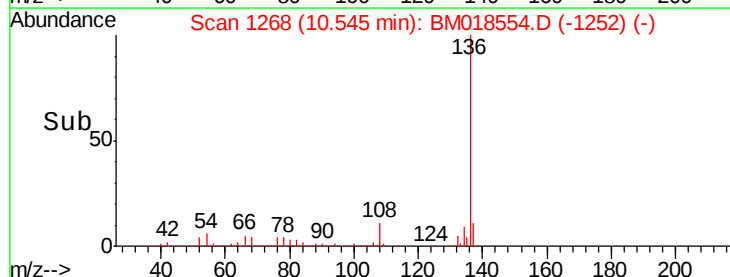
Abundance Ion 136.00 (135.70 to 136.70): BM018466.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM018466.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM018466.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM018466.D (-1261) (-)

Time-->



Abundance Ion 136.00 (135.70 to 136.70): BM018554.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018554.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018554.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018554.D (-1252) (-)

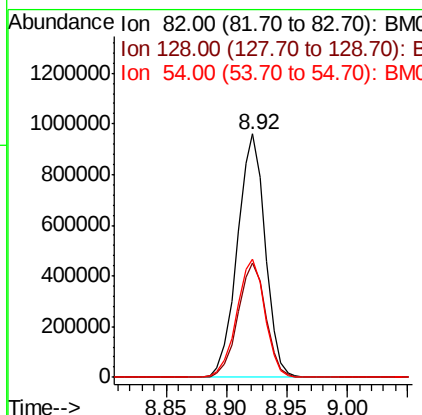
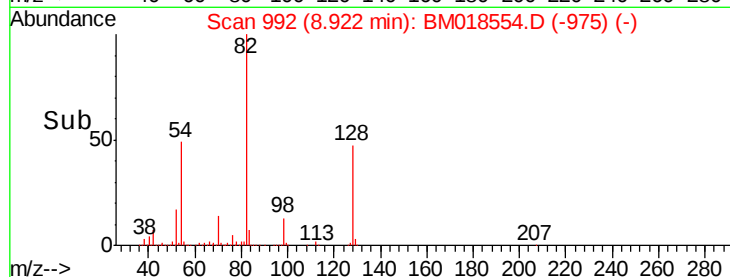
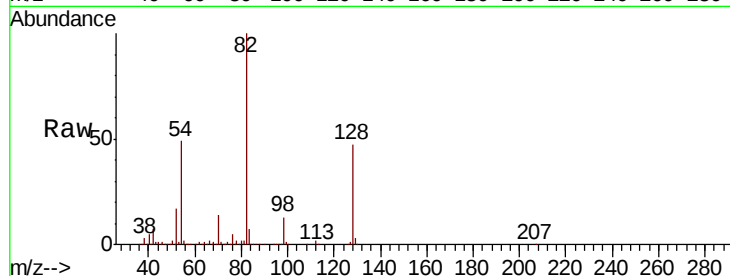
Time-->



#23  
 Nitrobenzene-d5  
 Concen: 82.664 ng  
 RT: 8.92 min Scan# 992  
 Delta R.T. -0.00 min  
 Lab File: BM018554.D  
 Acq: 14 Jan 2019 16:47

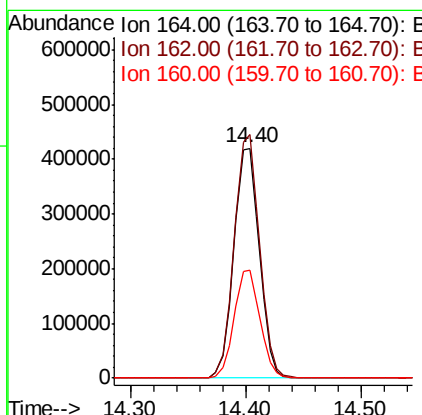
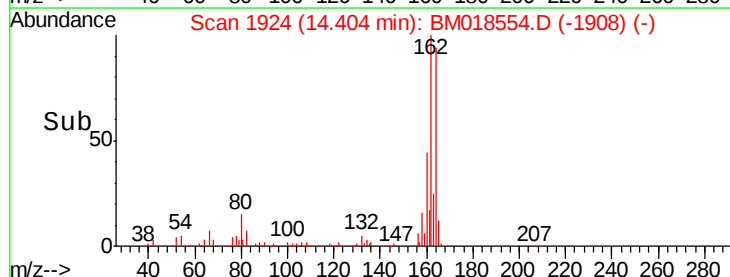
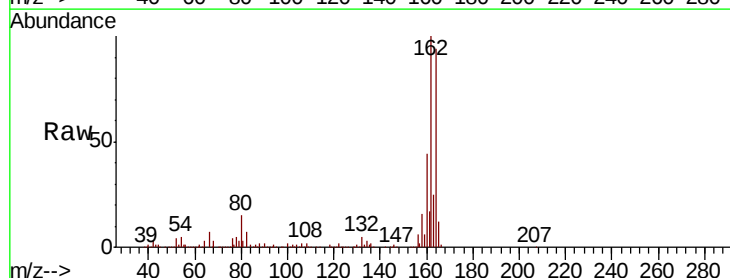
Instrument :  
 BNA\_M  
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 PB116347BL

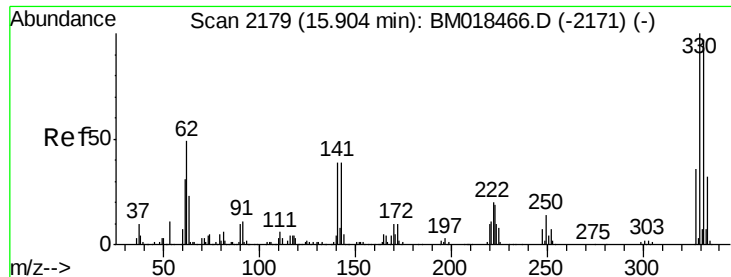
Tot Ion: 82 Resp: 1548984  
 Ion Ratio Lower Upper  
 82 100  
 128 47.0 36.3 54.5  
 54 48.8 41.7 62.5



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.40 min Scan# 1924  
 Delta R.T. -0.01 min  
 Lab File: BM018554.D  
 Acq: 14 Jan 2019 16:47

Tgt Ion: 164 Resp: 642071  
 Ion Ratio Lower Upper  
 164 100  
 162 106.0 83.0 124.4  
 160 47.1 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 151.274 ng

RT: 15.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

Instrument :

BNA\_M

ClientSampleId :

PB116347BL

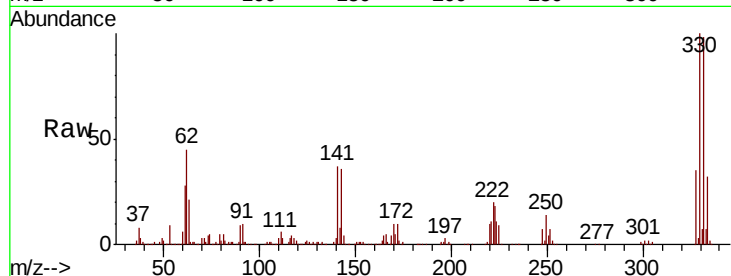
Tot Ion:330 Resp: 1236723

Ion Ratio Lower Upper

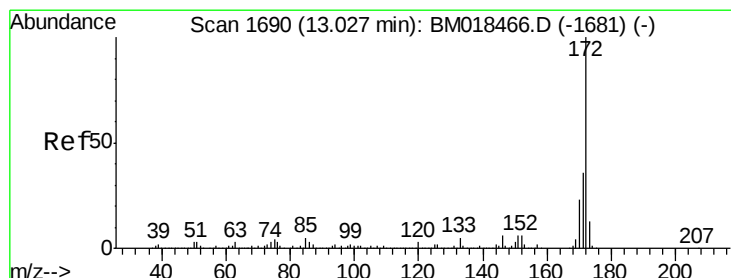
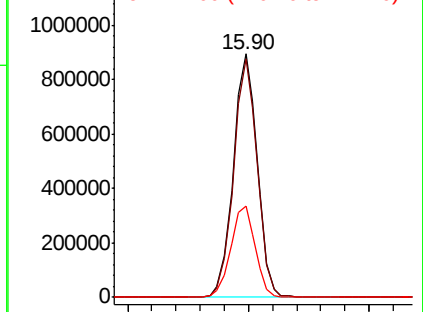
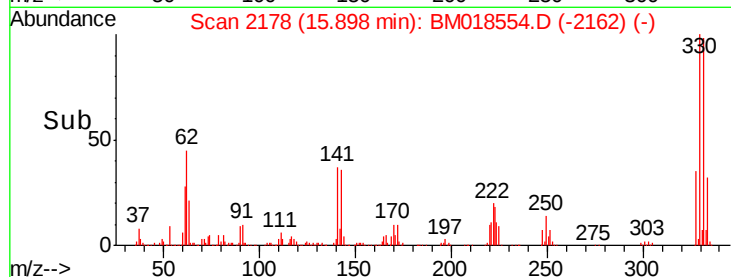
330 100

332 96.5 77.6 116.4

141 38.1 31.7 47.5



Abundance Ion 329.80 (329.50 to 330.50): E  
1200000 Ion 331.80 (331.50 to 332.50): E  
1000000 Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 81.423 ng

RT: 13.02 min Scan# 1689

Delta R.T. -0.00 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

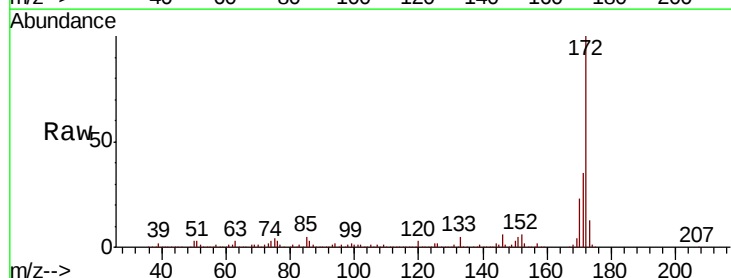
Tgt Ion:172 Resp: 4006502

Ion Ratio Lower Upper

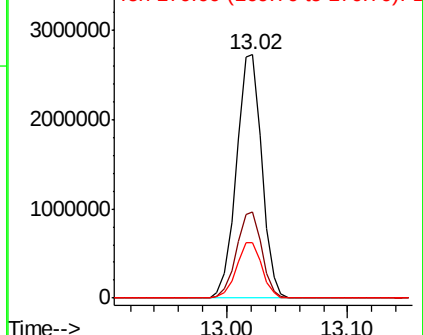
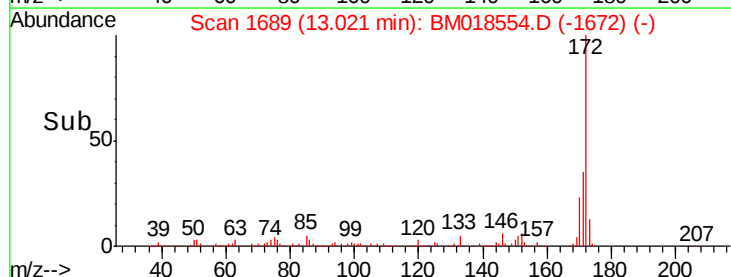
172 100

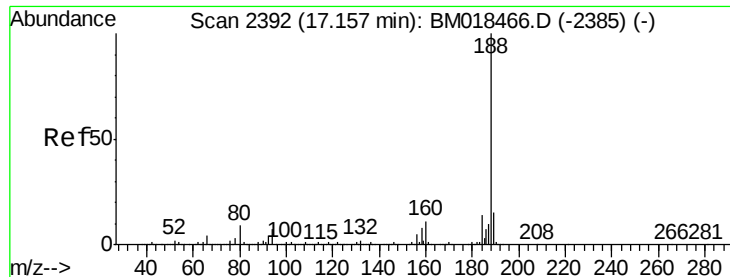
171 35.4 28.2 42.4

170 23.0 18.9 28.3



Abundance Ion 172.00 (171.70 to 172.70): E  
3000000 Ion 171.00 (170.70 to 171.70): E  
2000000 Ion 170.00 (169.70 to 170.70): E

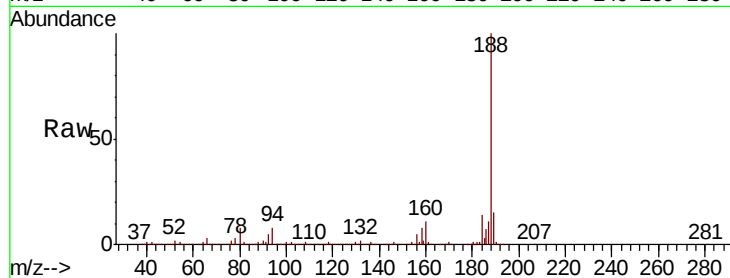




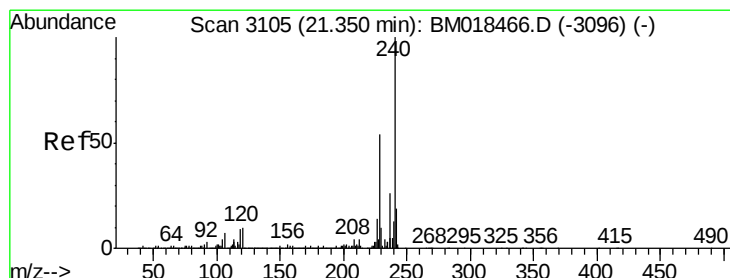
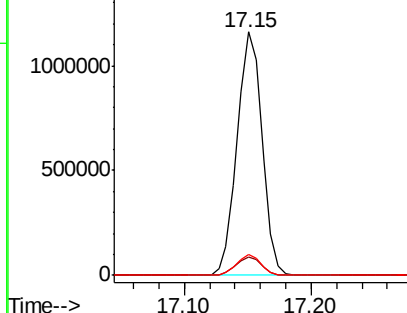
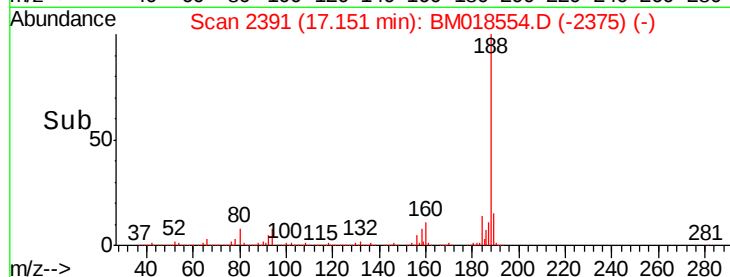
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.15 min Scan# 2391  
Delta R.T. -0.01 min  
Lab File: BM018554.D  
Acq: 14 Jan 2019 16:47

Instrument :  
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ClientSampleId :  
PB116347BL

Tot Ion:188 Resp: 1579414  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.1 10.7  
80 8.3 7.6 11.4

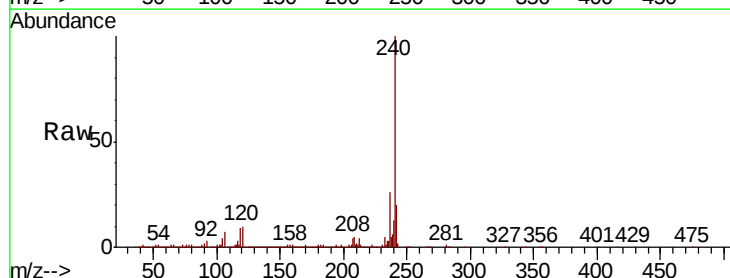


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

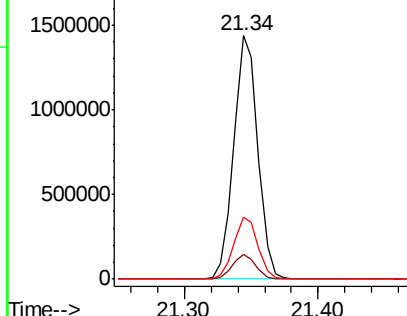
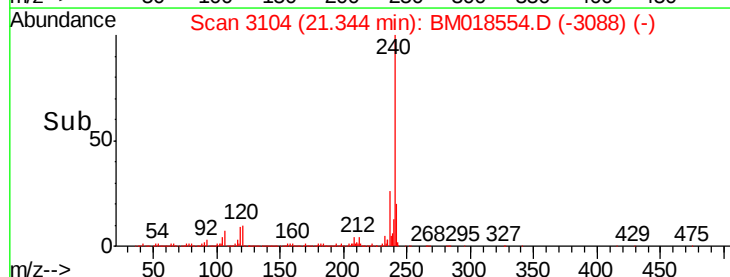


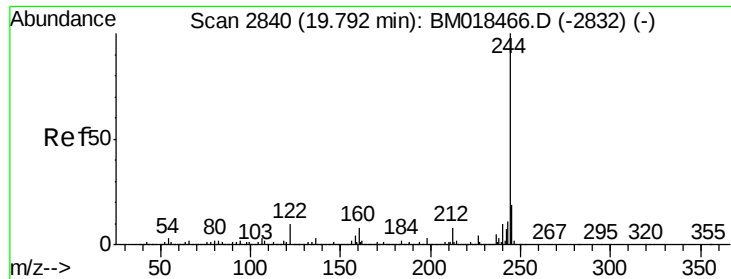
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.34 min Scan# 3104  
Delta R.T. -0.01 min  
Lab File: BM018554.D  
Acq: 14 Jan 2019 16:47

Tgt Ion:240 Resp: 1810832  
Ion Ratio Lower Upper  
240 100  
120 10.1 8.4 12.6  
236 25.6 20.7 31.1



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: 83.864 ng

RT: 19.79 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

Instrument :

BNA\_M

ClientSampleId :

PB116347BL

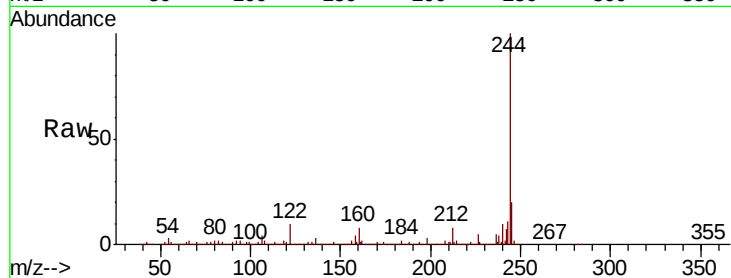
Tot Ion:244 Resp: 7204023

Ion Ratio Lower Upper

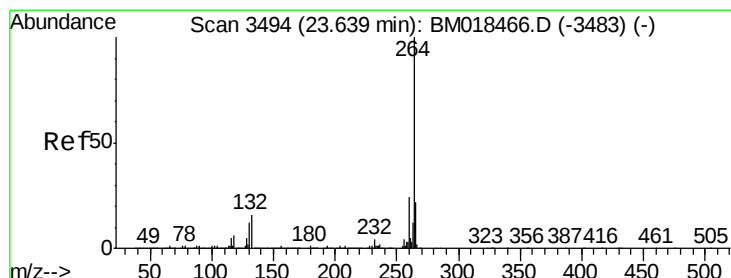
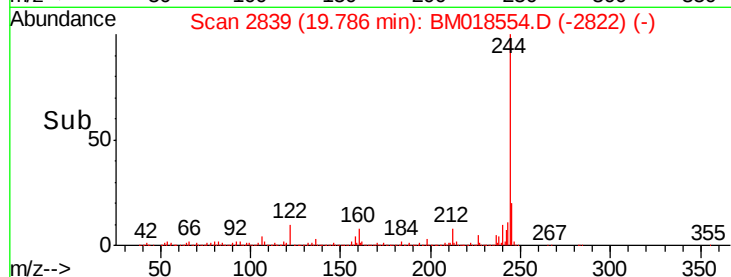
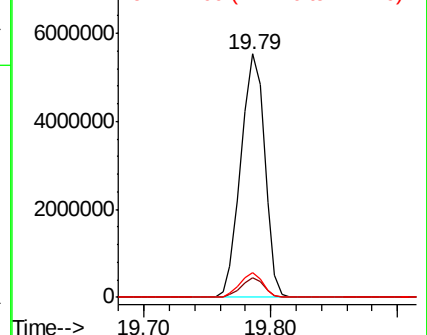
244 100

212 7.9 5.9 8.9

122 10.4 9.0 13.4



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.63 min Scan# 3493

Delta R.T. -0.00 min

Lab File: BM018554.D

Acq: 14 Jan 2019 16:47

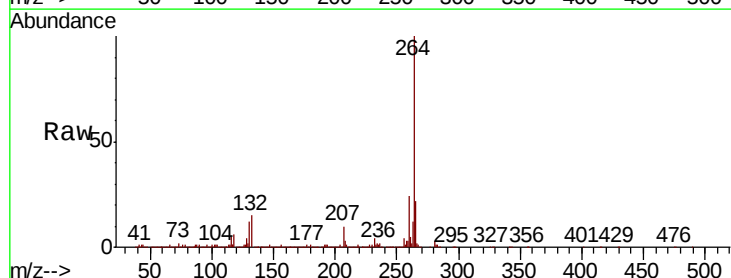
Tgt Ion:264 Resp: 1928930

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.8 16.8 25.2



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

