

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020719\  
 Data File : BM018739.D  
 Acq On : 07 Feb 2019 16:05  
 Operator : JU/SJ  
 Sample : PB116909BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB116909BL

Quant Time: Feb 08 10:05:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 04 15:10:38 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 212335   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 773243   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.36 | 164  | 378167   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.12 | 188  | 824409   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.31 | 240  | 925019   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.57 | 264  | 967556   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 1152317  | 100.21 | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 1406822  | 96.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 833017   | 62.45  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 440662   | 91.52  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.98 | 172  | 1974012  | 68.11  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.75 | 244  | 2817325  | 64.20  | ng    | 0.00     |

Target Compounds Qvalue

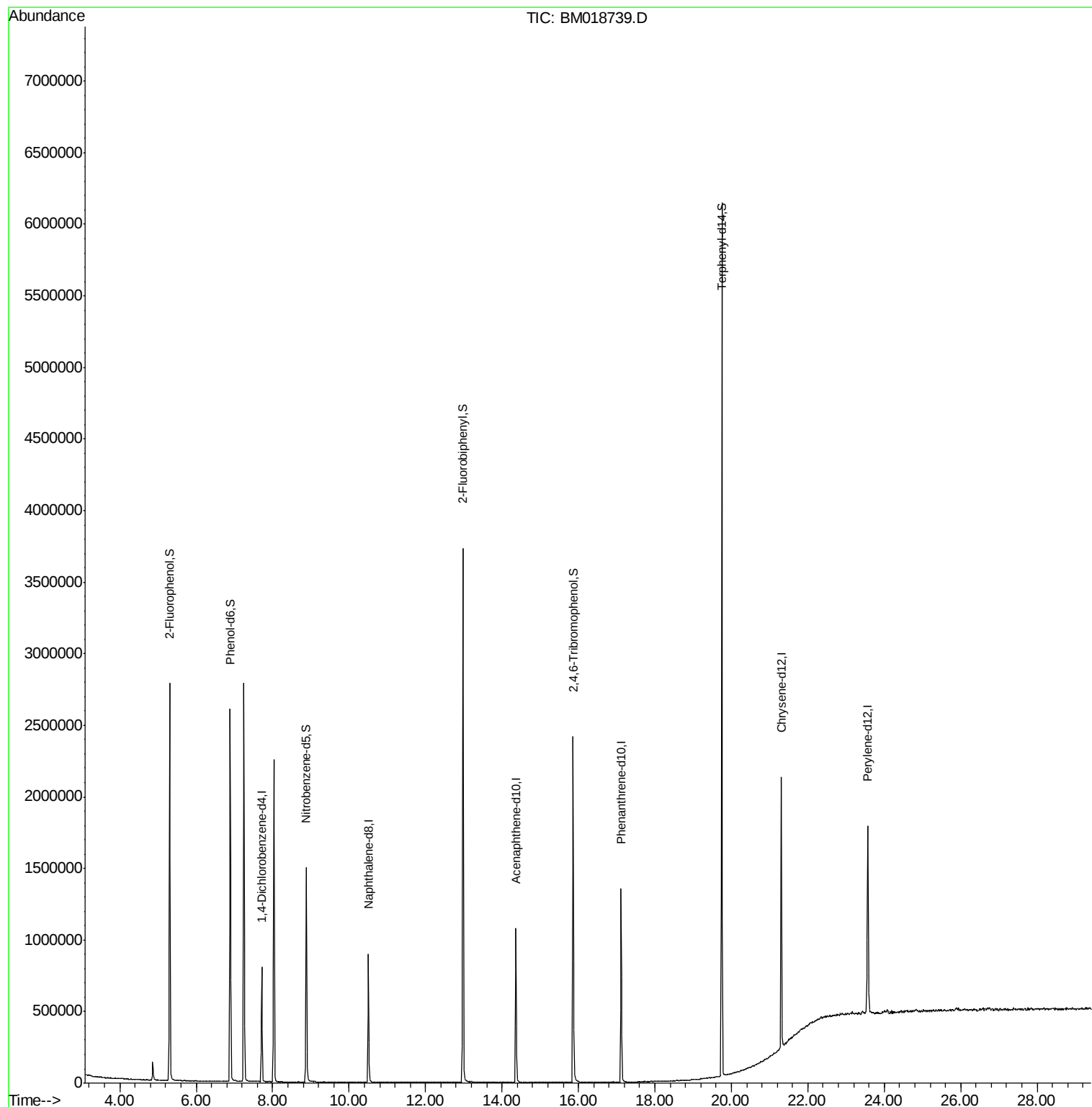
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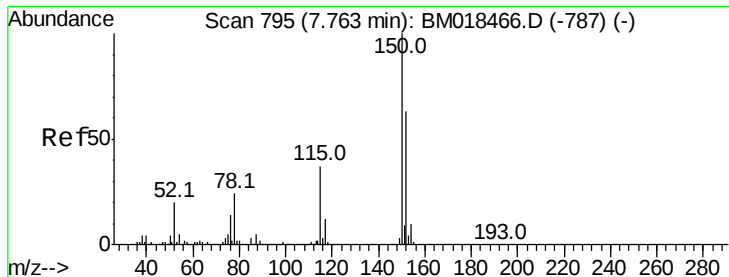
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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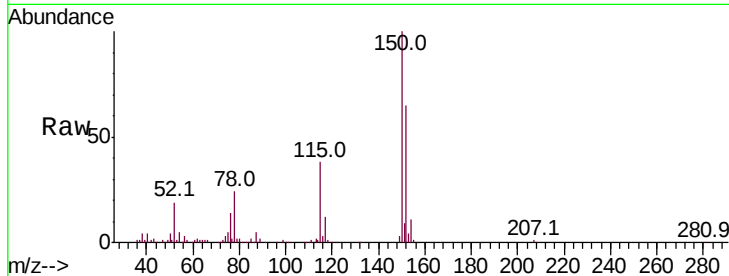


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.72 min Scan# 787  
 Delta R.T. 0.00 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB116909BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.3 | 126.9 | 190.3 |
| 115     | 58.7  | 45.5  | 68.3  |

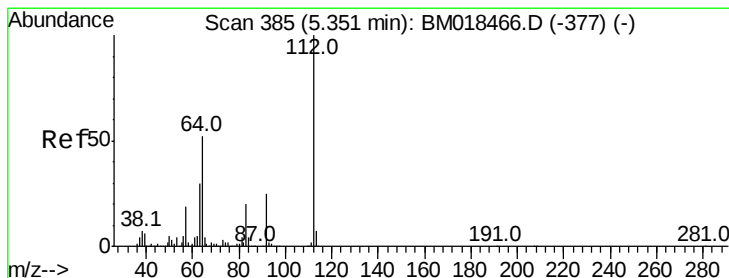
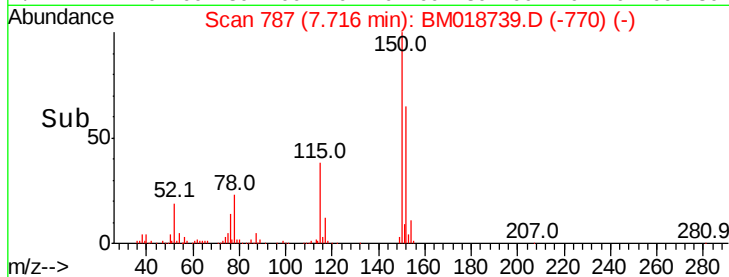
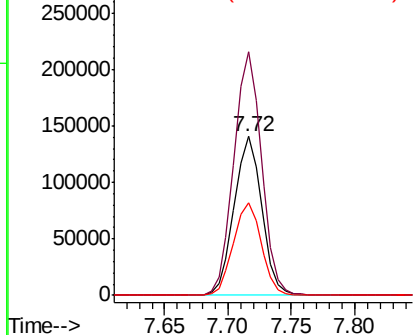


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

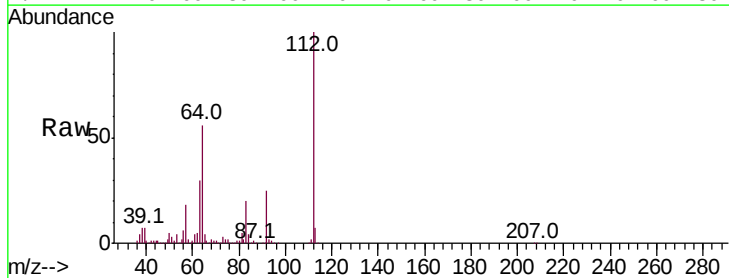
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 100.207 ng  
 RT: 5.30 min Scan# 377  
 Delta R.T. 0.00 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.6  | 46.5  | 69.7  |
| 63      | 29.8  | 25.2  | 37.8  |

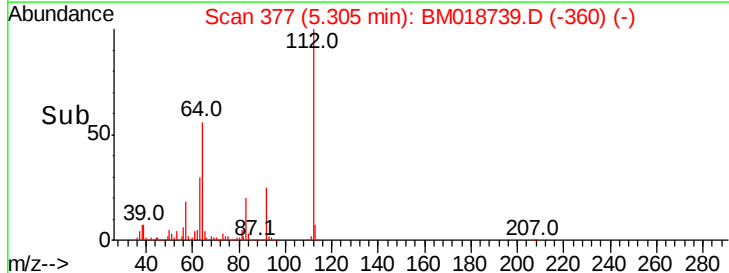
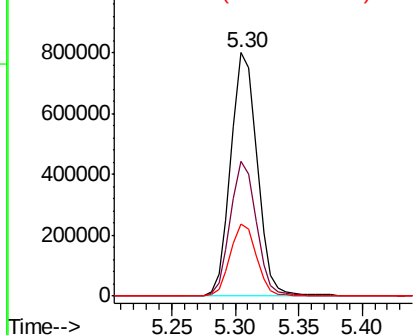


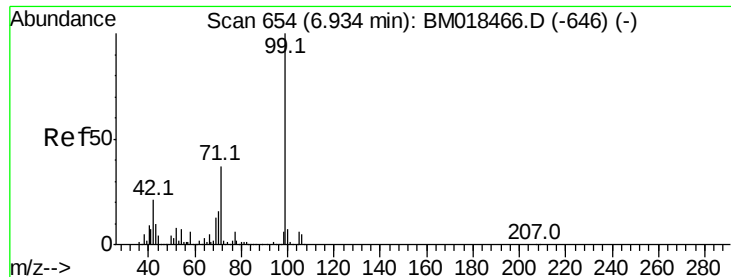
Abundance

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: 96.321 ng

RT: 6.89 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM018739.D

Acq: 07 Feb 2019 16:05

Instrument :

BNA\_M

ClientSampleId :

PB116909BL

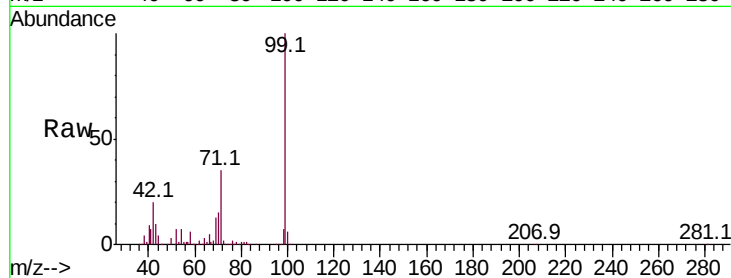
Tot Ion: 99 Resp: 1406822

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

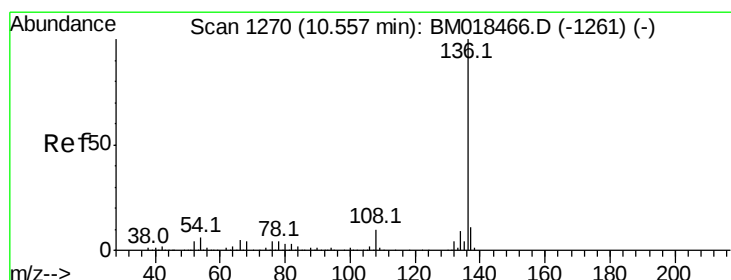
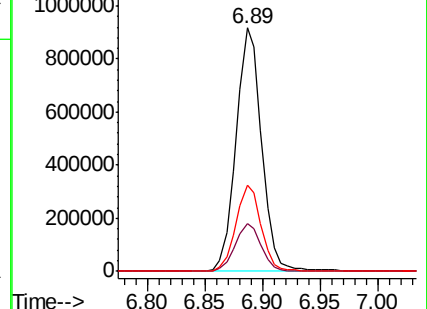
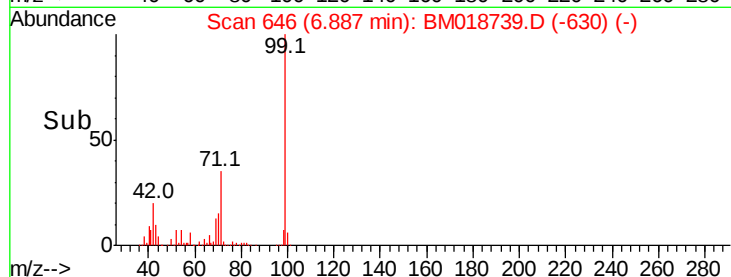
71 35.2 28.0 42.0



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM018739.D

Acq: 07 Feb 2019 16:05

Tgt Ion: 136 Resp: 773243

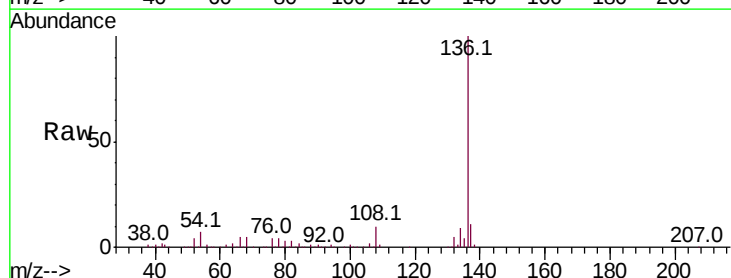
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.7 6.0 9.0

68 5.0 4.5 6.7

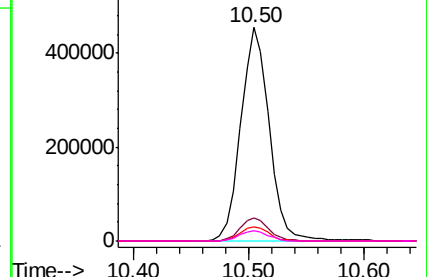
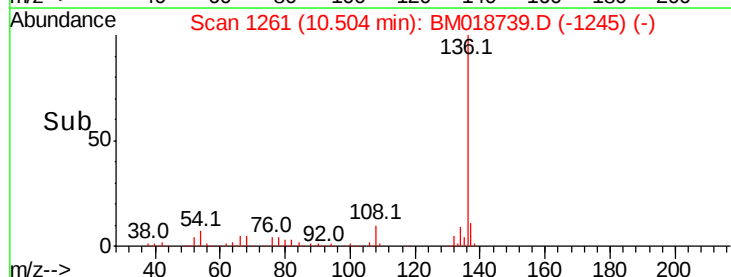


Abundance Ion 136.00 (135.70 to 136.70): BM018466.D (-1261) (-)

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) (-)

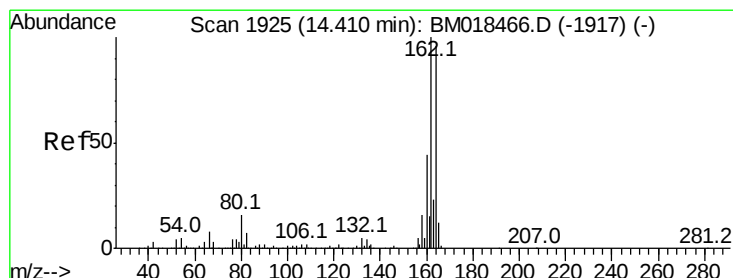
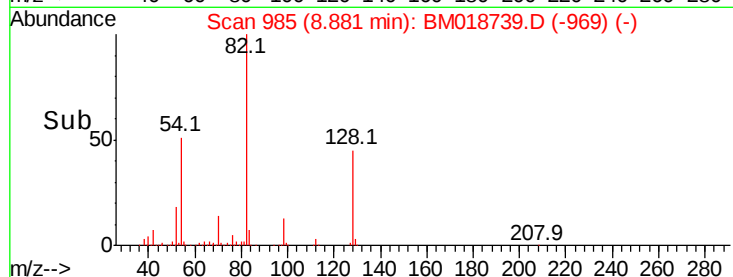
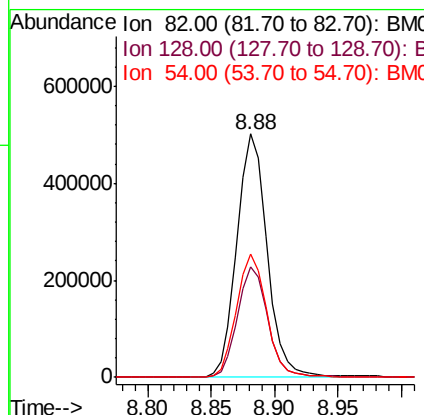
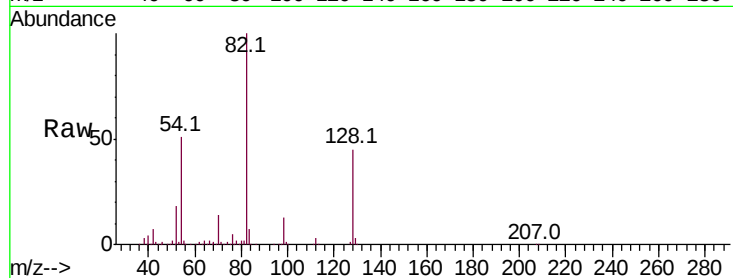




#23  
Nitrobenzene-d5  
Concen: 62.452 ng  
RT: 8.88 min Scan# 985  
Delta R.T. -0.01 min  
Lab File: BM018739.D  
Acq: 07 Feb 2019 16:05

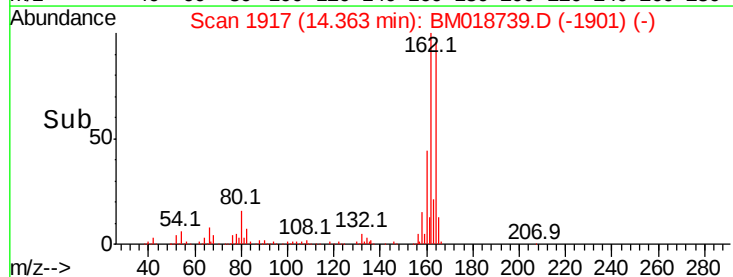
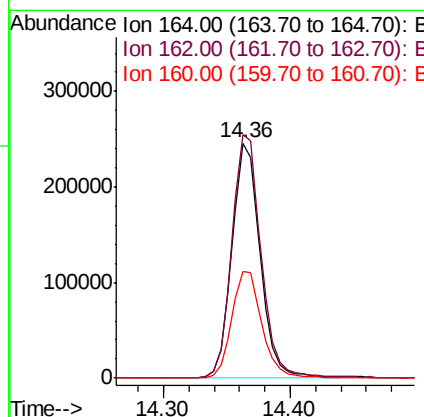
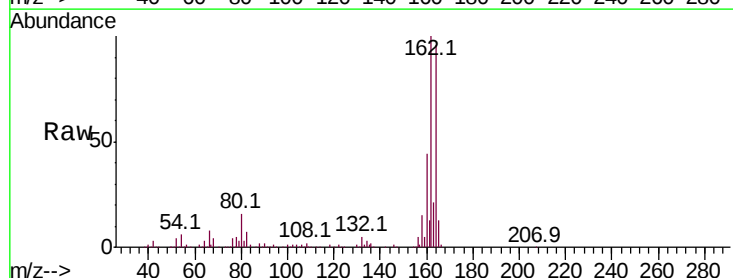
Instrument :  
BNA\_M  
ClientSampleId :  
PB116909BL

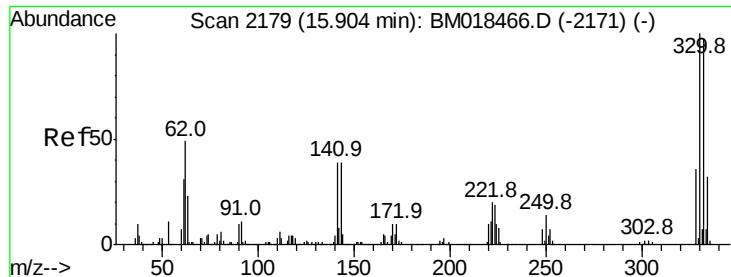
| Tot Ion   | 82    | Resp  | 833017 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 45.5  | 36.3  | 54.5   |
| 54        | 50.7  | 41.7  | 62.5   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.36 min Scan# 1917  
Delta R.T. -0.01 min  
Lab File: BM018739.D  
Acq: 07 Feb 2019 16:05

| Tgt Ion   | 164   | Resp  | 378167 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.7 | 83.0  | 124.4  |
| 160       | 45.6  | 37.1  | 55.7   |

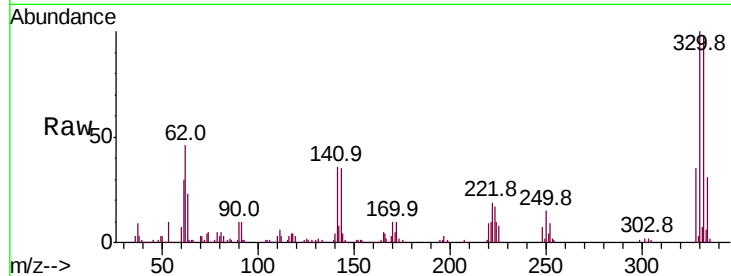




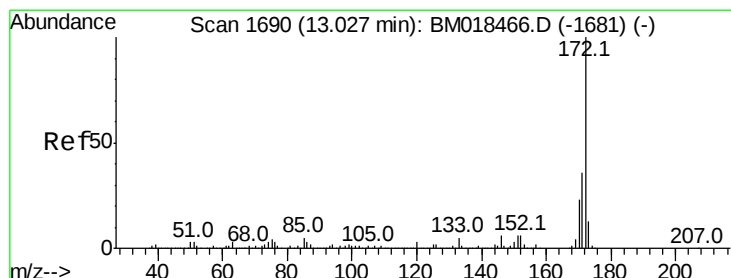
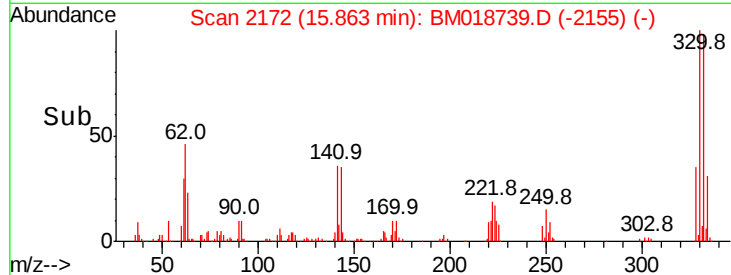
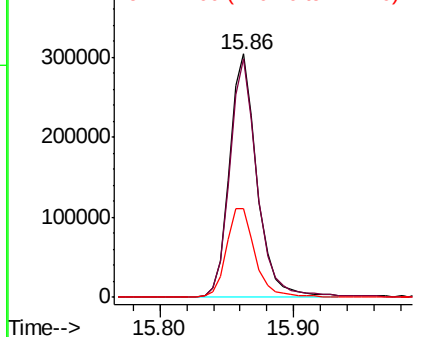
#42  
 2,4,6-Tribromophenol  
 Concen: 91.516 ng  
 RT: 15.86 min Scan# 2172  
 Delta R.T. 0.00 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB116909BL

Tot Ion:330 Resp: 440662  
 Ion Ratio Lower Upper  
 330 100  
 332 97.7 77.6 116.4  
 141 38.5 31.7 47.5

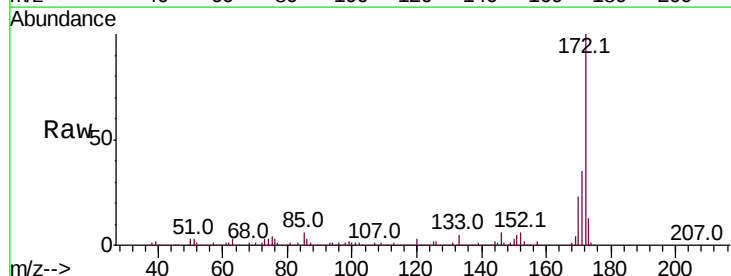


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

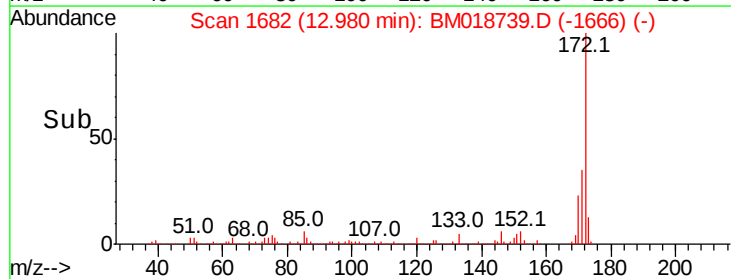
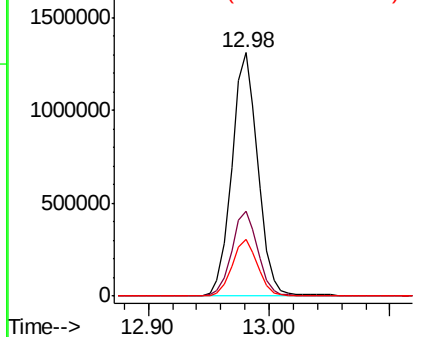


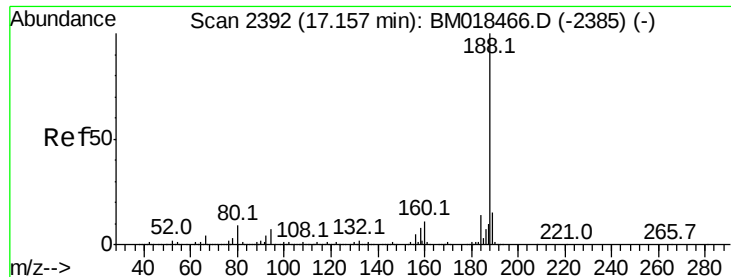
#45  
 2-Fluorobiphenyl  
 Concen: 68.113 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

Tgt Ion:172 Resp: 1974012  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 28.2 42.4  
 170 23.3 18.9 28.3



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

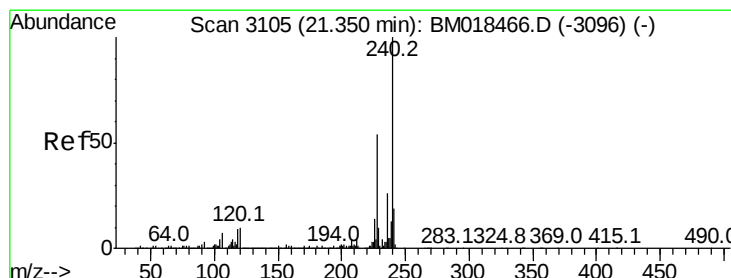
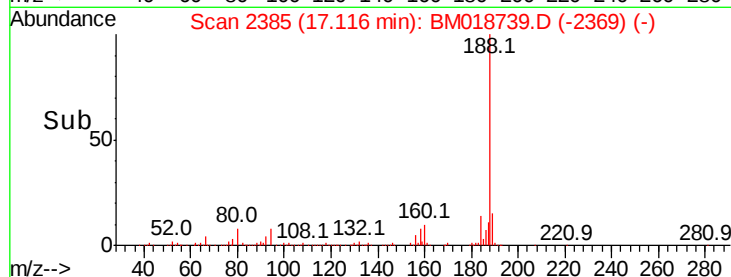
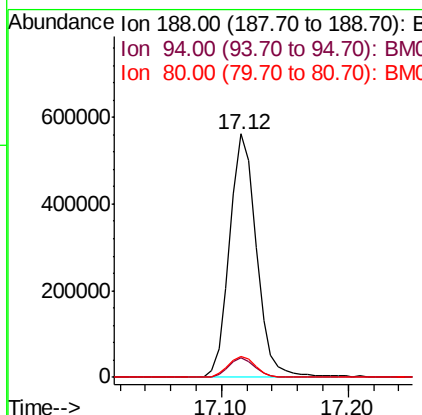
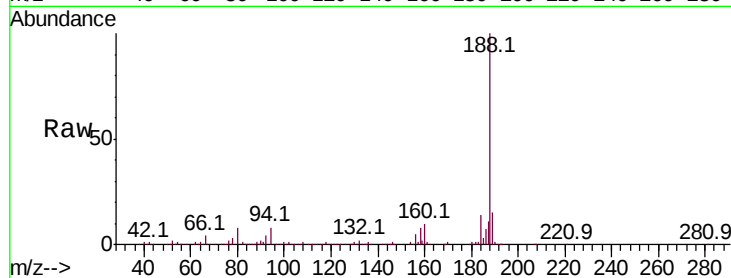




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.12 min Scan# 2385  
Delta R.T. -0.01 min  
Lab File: BM018739.D  
Acq: 07 Feb 2019 16:05

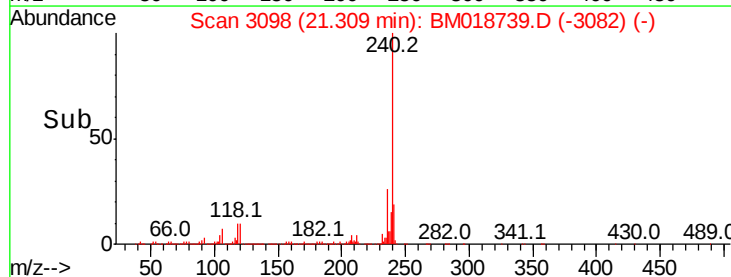
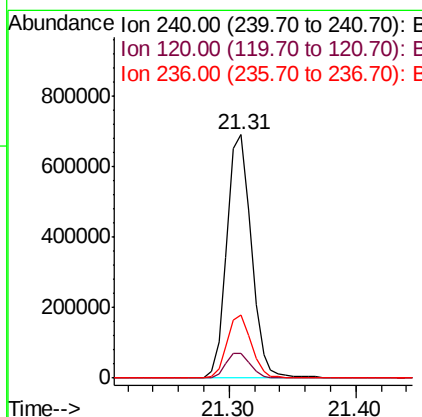
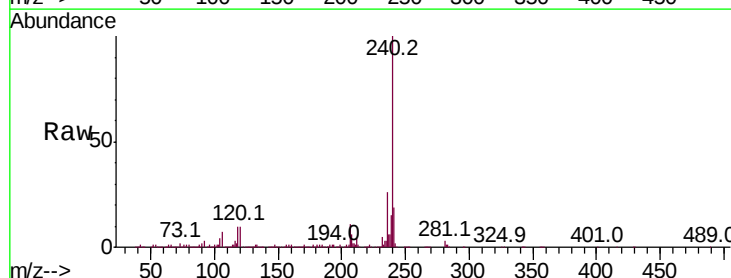
Instrument :  
BNA\_M  
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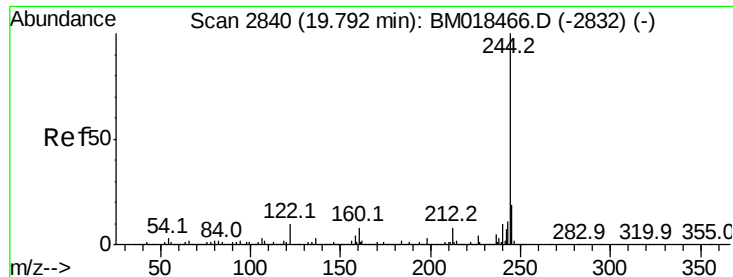
Tot Ion:188 Resp: 824409  
Ion Ratio Lower Upper  
188 100  
94 8.0 7.1 10.7  
80 8.4 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.31 min Scan# 3098  
Delta R.T. -0.01 min  
Lab File: BM018739.D  
Acq: 07 Feb 2019 16:05

Tgt Ion:240 Resp: 925019  
Ion Ratio Lower Upper  
240 100  
120 9.9 8.4 12.6  
236 25.7 20.7 31.1



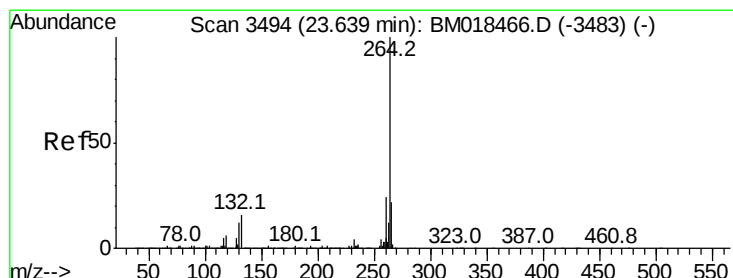
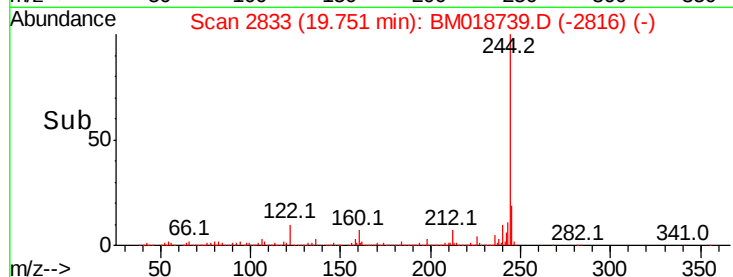
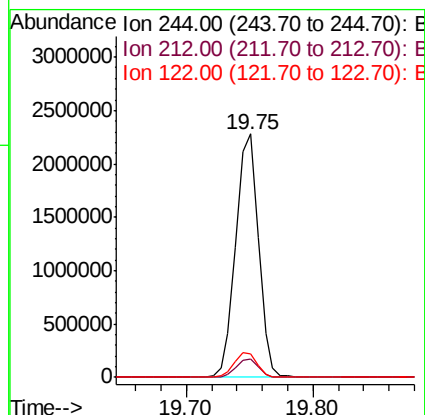
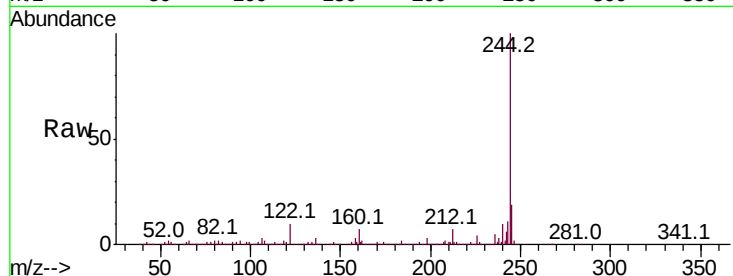


#79  
 Terphenyl-d14  
 Concen: 64.204 ng  
 RT: 19.75 min Scan# 2833  
 Delta R.T. 0.00 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

Instrument :  
 BNA\_M  
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 PB116909BL

Tot Ion:244 Resp: 2817325  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.3   | 5.9   | 8.9   |
| 122 | 9.6   | 9.0   | 13.4  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.57 min Scan# 3482  
 Delta R.T. -0.01 min  
 Lab File: BM018739.D  
 Acq: 07 Feb 2019 16:05

Tgt Ion:264 Resp: 967556  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.9  | 28.3  |
| 265 | 21.4  | 16.8  | 25.2  |

