

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM122118\  
 Data File : BM018376.D  
 Acq On : 22 Dec 2018 02:43  
 Operator : JU/SJ  
 Sample : J6389-09  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS014-0006-01

Quant Time: Dec 22 03:53:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM121518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 15 21:39:37 2018  
 Response via : Initial Calibration

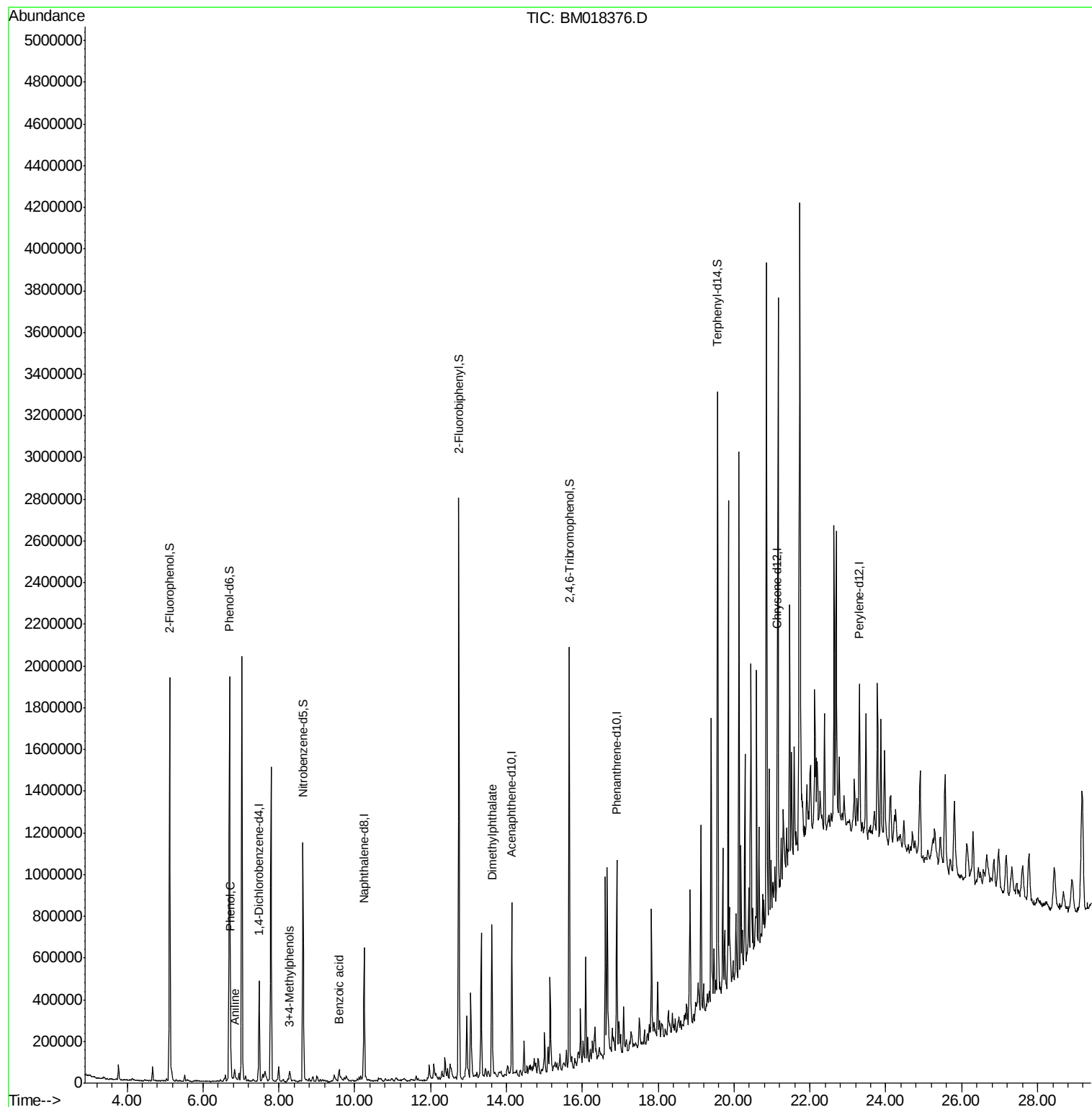
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.48  | 152  | 115235   | 20.00  | ng    | -0.02       |
| 21) Naphthalene-d8          | 10.25 | 136  | 465914   | 20.00  | ng    | -0.02       |
| 39) Acenaphthene-d10        | 14.14 | 164  | 249158   | 20.00  | ng    | -0.02       |
| 64) Phenanthrene-d10        | 16.91 | 188  | 465726   | 20.00  | ng    | -0.01       |
| 76) Chrysene-d12            | 21.13 | 240  | 419579   | 20.00  | ng    | -0.01       |
| 87) Perylene-d12            | 23.30 | 264  | 453572   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |        |       |             |
| 5) 2-Fluorophenol           | 5.12  | 112  | 719656   | 104.32 | ng    | 0.00        |
| 7) Phenol-d6                | 6.70  | 99   | 984435   | 102.67 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.64  | 82   | 669679   | 73.73  | ng    | -0.02       |
| 42) 2,4,6-Tribromophenol    | 15.66 | 330  | 317000   | 86.68  | ng    | -0.01       |
| 45) 2-Fluorobiphenyl        | 12.75 | 172  | 1248925  | 64.92  | ng    | -0.02       |
| 79) Terphenyl-d14           | 19.57 | 244  | 1130862  | 60.96  | ng    | 0.00        |
| Target Compounds            |       |      |          |        |       |             |
| 6) Aniline                  | 6.83  | 93   | 38619    | 3.211  | ng    | Qvalue # 86 |
| 10) Phenol                  | 6.72  | 94   | 132398   | 13.039 | ng    | 91          |
| 20) 3+4-Methylphenols       | 8.28  | 107  | 24177    | 2.545  | ng    | 89          |
| 32) Benzoic acid            | 9.59  | 122  | 22298    | 3.670  | ng    | # 80        |
| 50) Dimethylphthalate       | 13.62 | 163  | 76978    | 3.716  | ng    | # 1         |

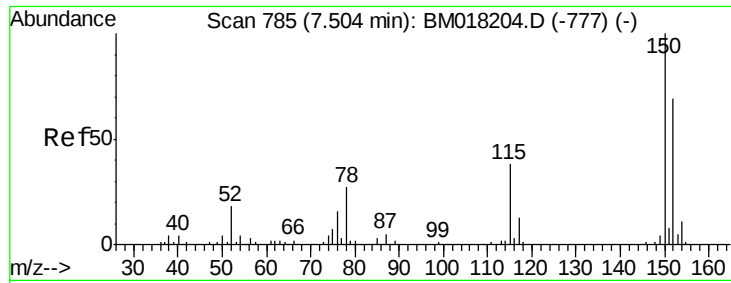
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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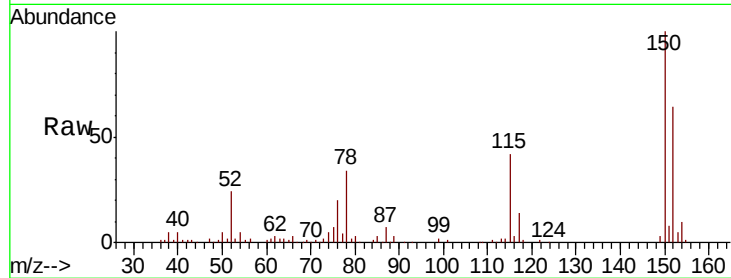




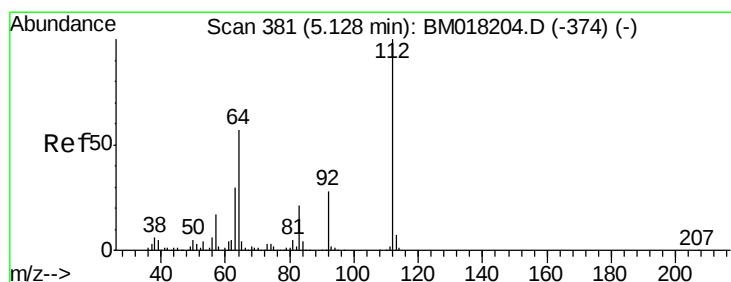
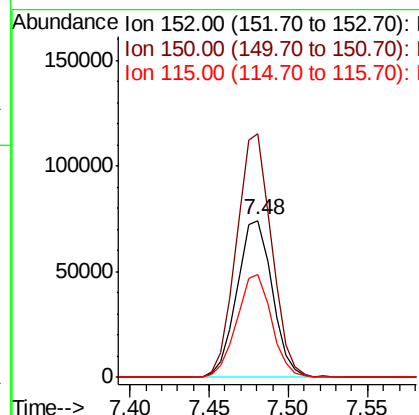
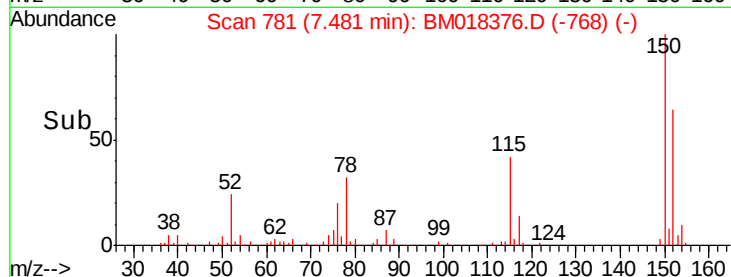
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.48 min Scan# 781  
 Delta R.T. -0.02 min  
 Lab File: BM018376.D  
 Acq: 22 Dec 2018 02:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS014-0006-01

Tgt Ion:152 Resp: 115235  
 Ion Ratio Lower Upper  
 152 100  
 150 155.1 116.1 174.1  
 115 65.4 44.6 67.0

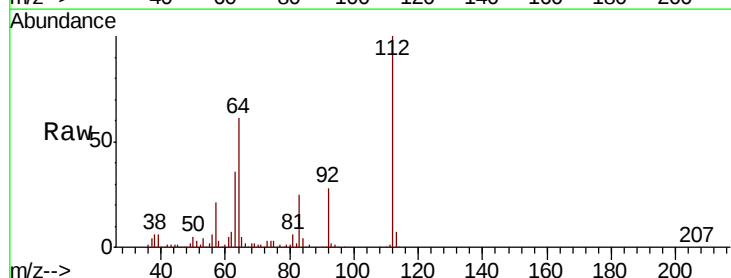


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

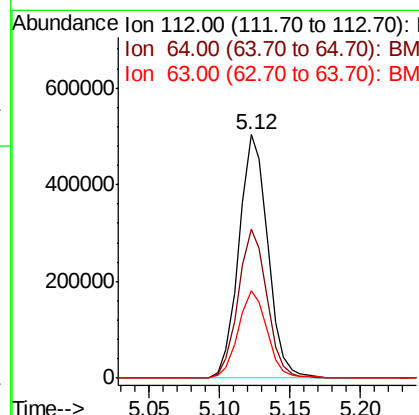
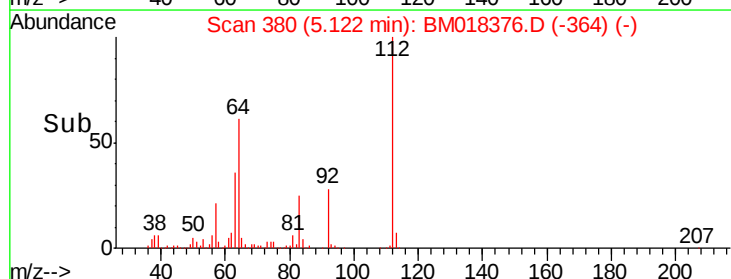


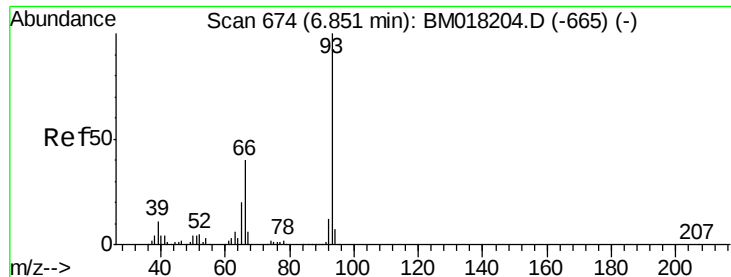
#5  
 2-Fluorophenol  
 Concen: 104.324 ng  
 RT: 5.12 min Scan# 380  
 Delta R.T. -0.01 min  
 Lab File: BM018376.D  
 Acq: 22 Dec 2018 02:43

Tgt Ion:112 Resp: 719656  
 Ion Ratio Lower Upper  
 112 100  
 64 61.2 45.4 68.2  
 63 35.8 24.0 36.0



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





#6

Aniline

Concen: 3.211 ng

RT: 6.83 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

Instrument :

BNA\_M

ClientSampleId :

P001-SS014-0006-01

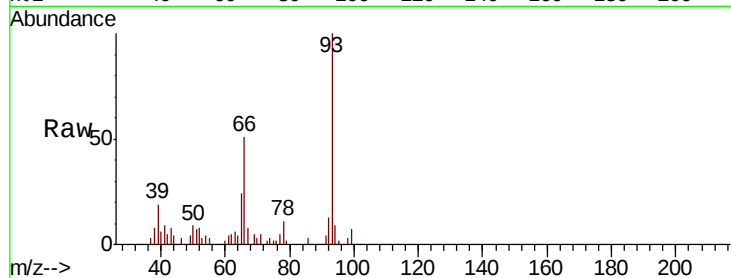
Tgt Ion: 93 Resp: 38619

Ion Ratio Lower Upper

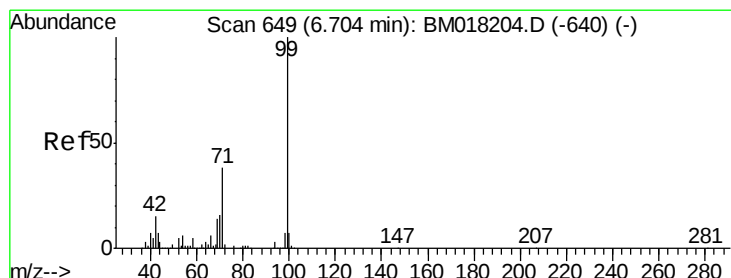
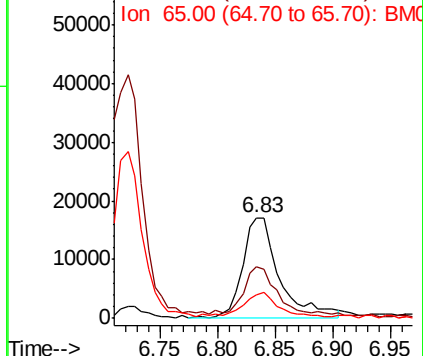
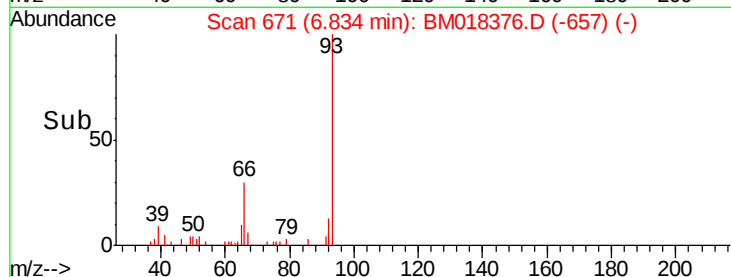
93 100

66 51.4 32.3 48.5#

65 23.6 16.2 24.4



Abundance Ion 93.00 (92.70 to 93.70): BM018376.D (-657) (-)



#7

Phenol-d6

Concen: 102.673 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

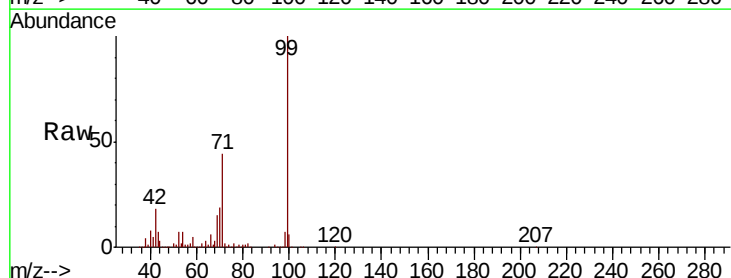
Tgt Ion: 99 Resp: 984435

Ion Ratio Lower Upper

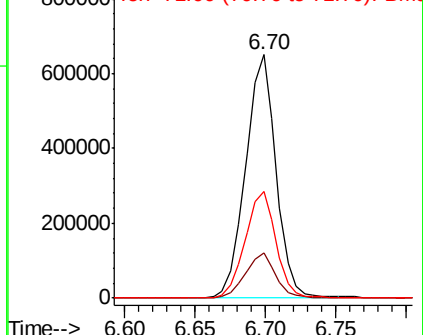
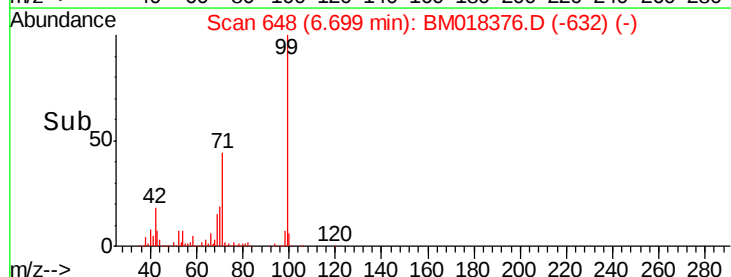
99 100

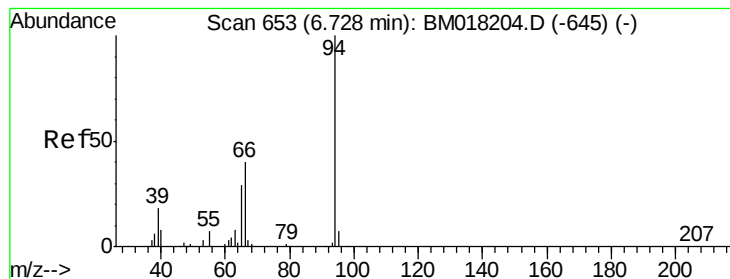
42 18.4 12.3 18.5

71 43.8 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018376.D (-632) (-)





#10

Phenol

Concen: 13.039 ng

RT: 6.72 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

Instrument :

BNA\_M

ClientSampleId :

P001-SS014-0006-01

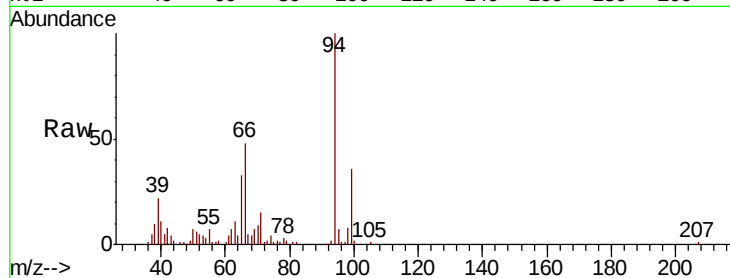
Tgt Ion: 94 Resp: 132398

Ion Ratio Lower Upper

94 100

65 32.8 9.5 49.5

66 48.0 21.3 61.3

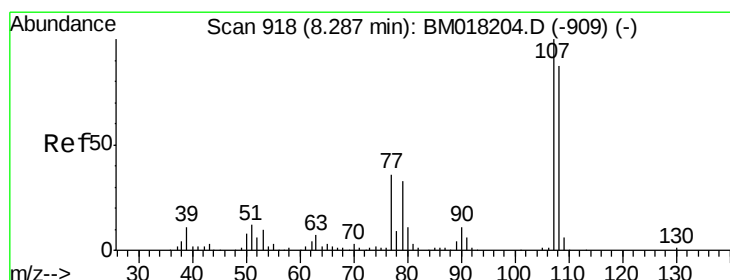
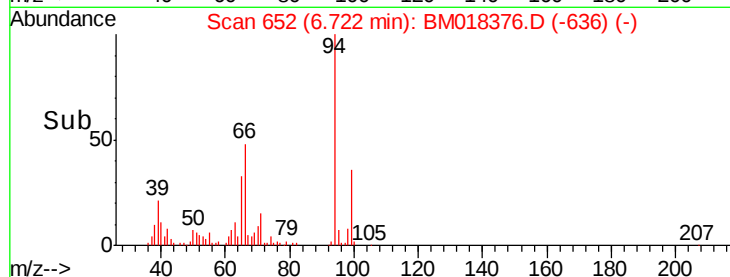
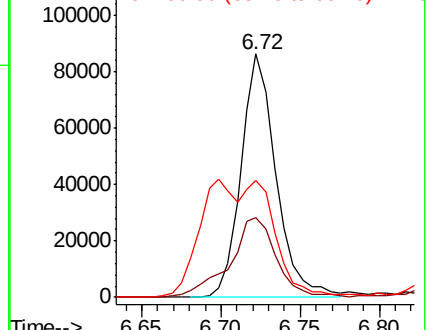


Abundance

Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)



#20

3+4-Methylphenols

Concen: 2.545 ng

RT: 8.28 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

Tgt Ion: 107 Resp: 24177

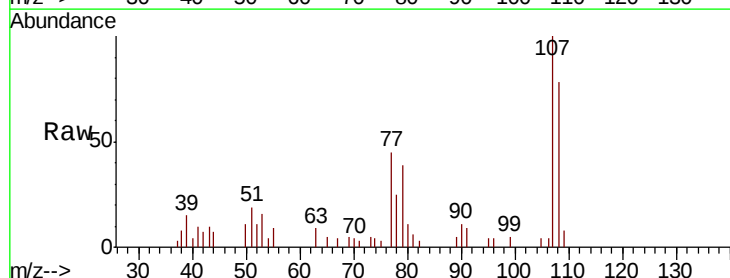
Ion Ratio Lower Upper

107 100

108 77.6 67.4 107.4

77 44.8 15.7 55.7

79 38.6 13.3 53.3



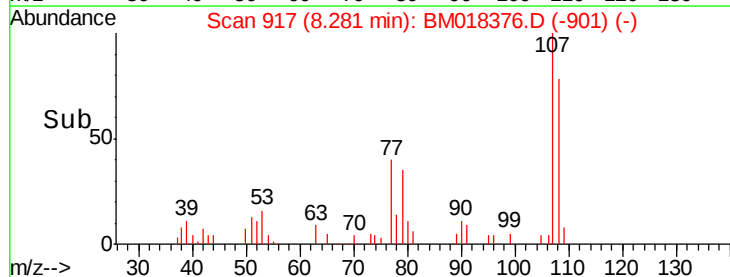
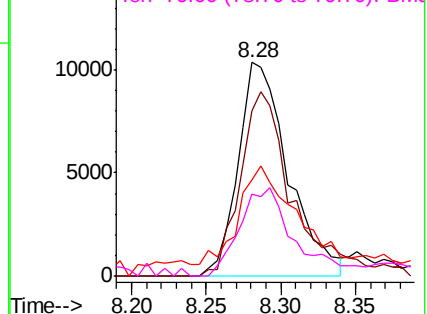
Abundance

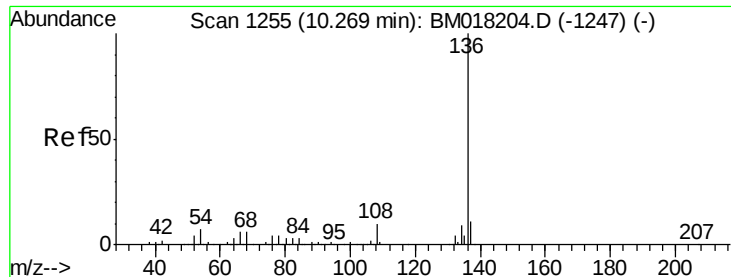
Ion 107.00 (106.70 to 107.70): BM018204.D (-909) (-)

Ion 108.00 (107.70 to 108.70): BM018204.D (-909) (-)

Ion 77.00 (76.70 to 77.70): BM018204.D (-909) (-)

Ion 79.00 (78.70 to 79.70): BM018204.D (-909) (-)

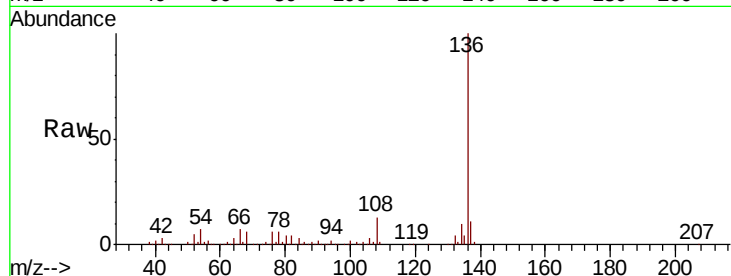




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.25 min Scan# 1251  
Delta R.T. -0.02 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SS014-0006-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 465914 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.2   | 13.8   |
| 54       | 6.6   | 5.2   | 7.8    |
| 68       | 5.8   | 5.0   | 7.6    |



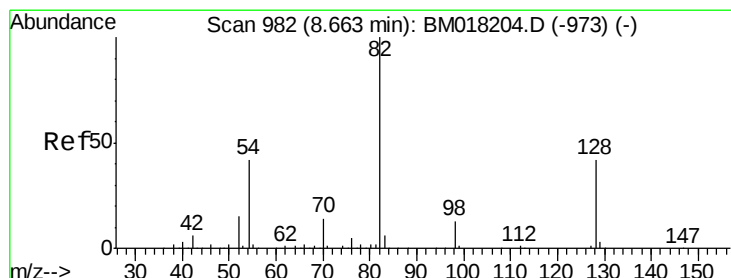
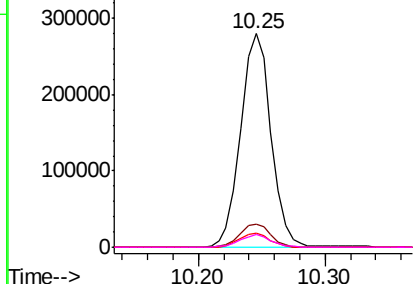
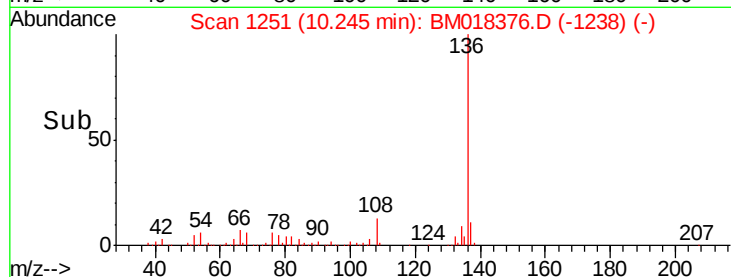
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

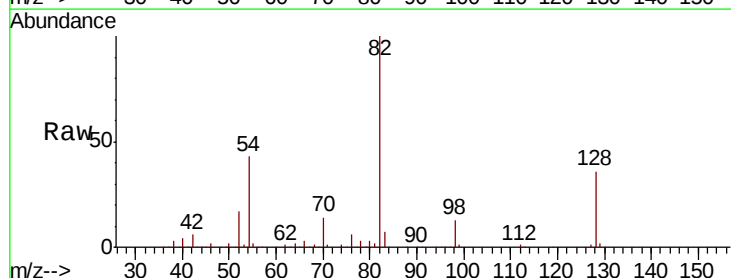
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#23  
Nitrobenzene-d5  
Concen: 73.727 ng  
RT: 8.64 min Scan# 978  
Delta R.T. -0.02 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 669679 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 36.4  | 33.4  | 50.2   |
| 54       | 43.3  | 33.4  | 50.2   |

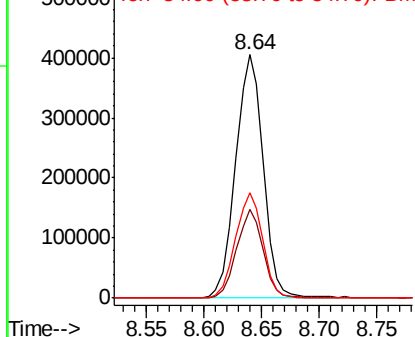
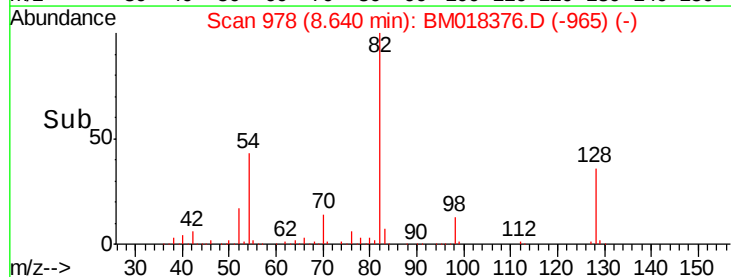


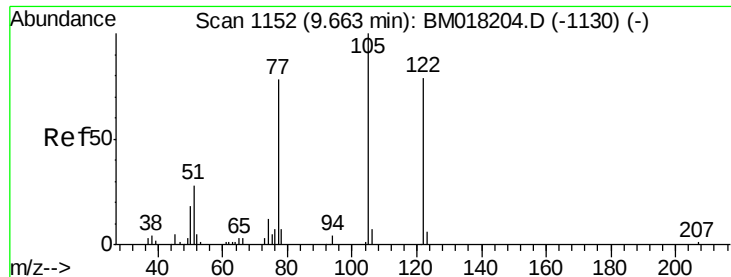
Abundance

Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

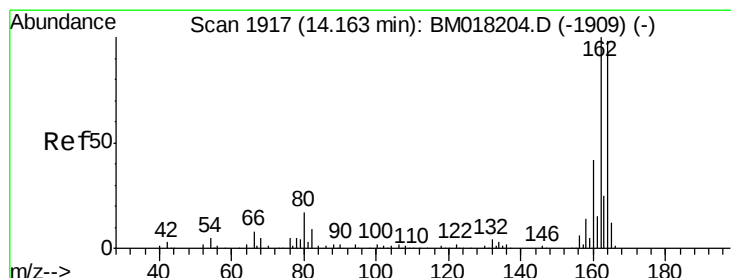
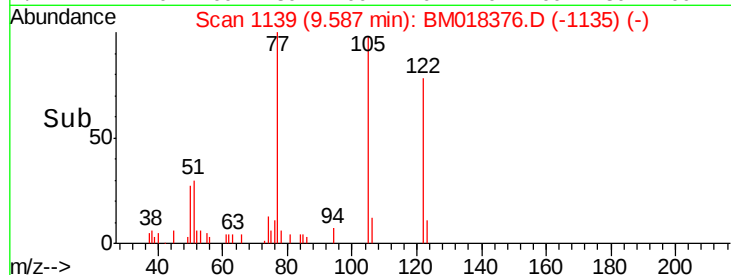
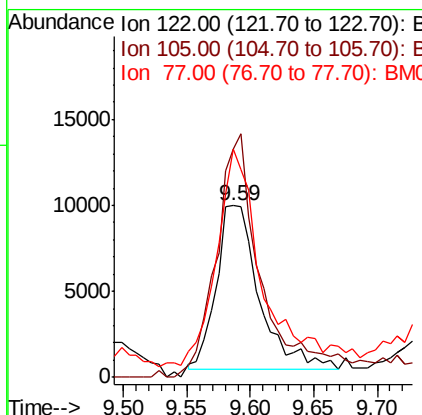
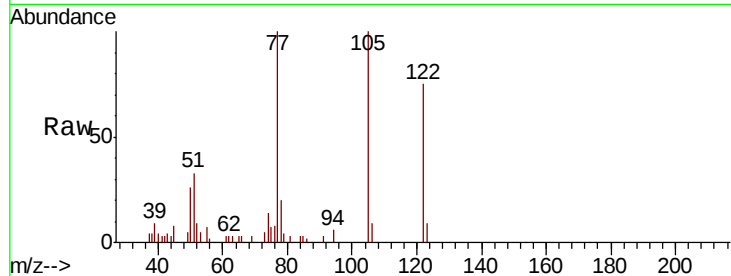




#32  
Benzoic acid  
Concen: 3.670 ng  
RT: 9.59 min Scan# 1139  
Delta R.T. -0.08 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

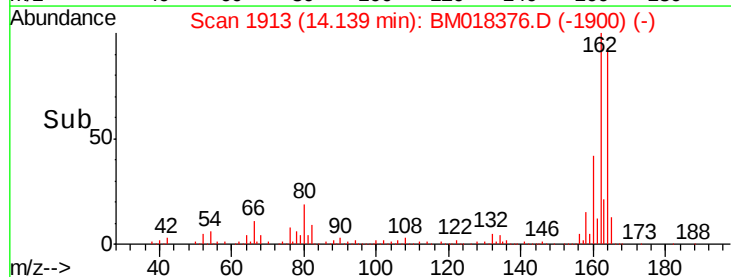
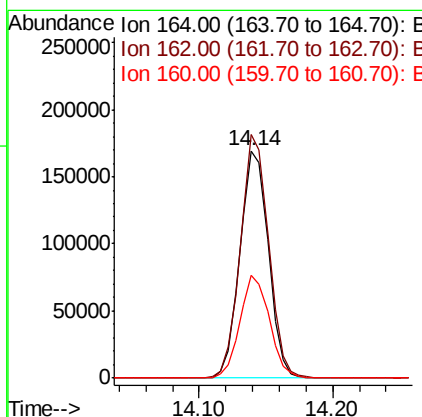
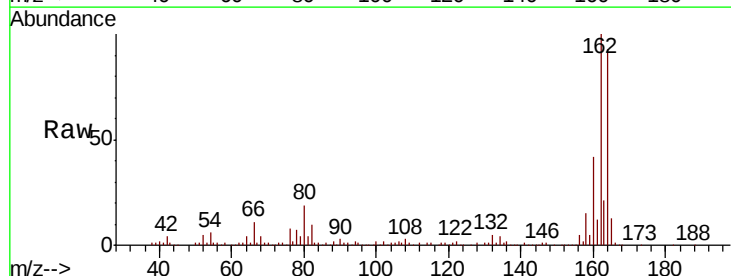
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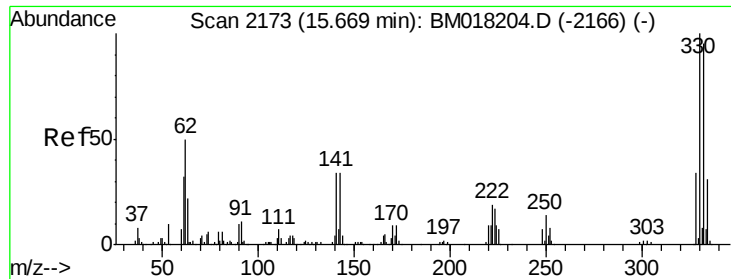
Tgt Ion:122 Resp: 22298  
Ion Ratio Lower Upper  
122 100  
105 133.2 104.8 144.8  
77 133.2 77.7 117.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.14 min Scan# 1913  
Delta R.T. -0.02 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

Tgt Ion:164 Resp: 249158  
Ion Ratio Lower Upper  
164 100  
162 107.1 81.8 122.6  
160 45.0 34.6 51.8

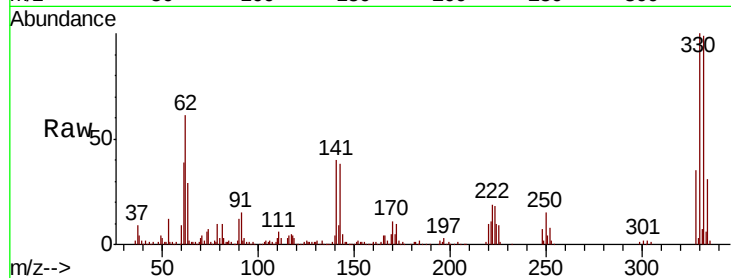




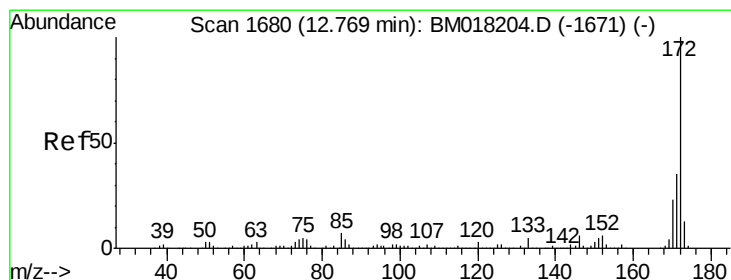
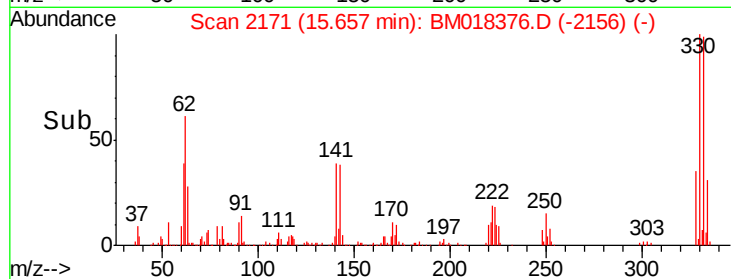
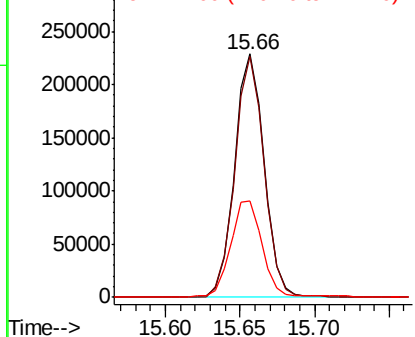
#42  
 2,4,6-Tribromophenol  
 Concen: 86.684 ng  
 RT: 15.66 min Scan# 2171  
 Delta R.T. -0.01 min  
 Lab File: BM018376.D  
 Acq: 22 Dec 2018 02:43

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS014-0006-01

Tgt Ion:330 Resp: 317000  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 78.6 118.0  
 141 41.9 27.1 40.7#

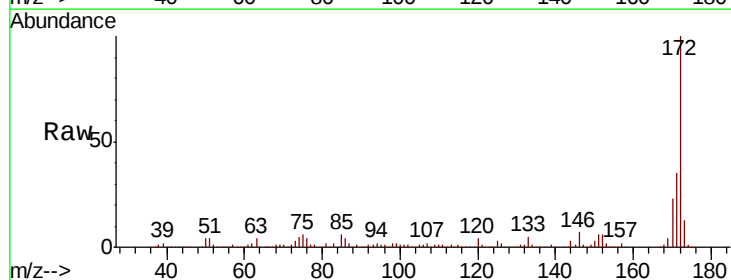


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

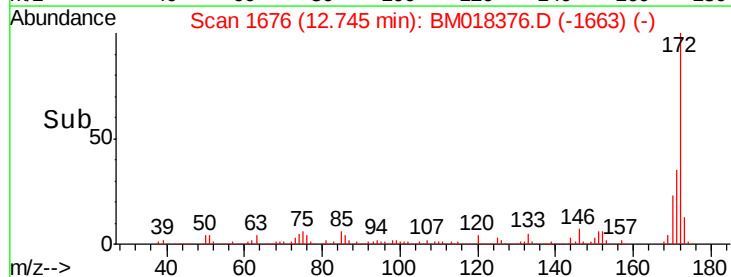
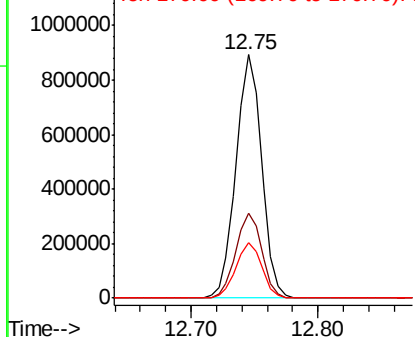


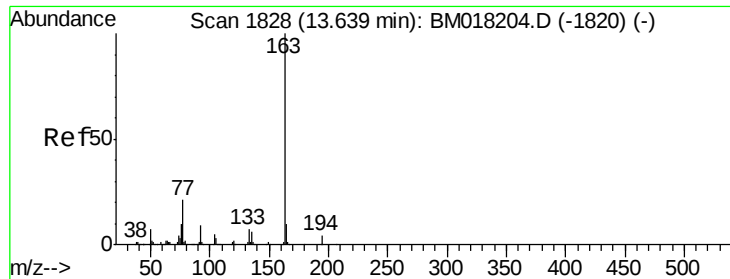
#45  
 2-Fluorobiphenyl  
 Concen: 64.925 ng  
 RT: 12.75 min Scan# 1676  
 Delta R.T. -0.02 min  
 Lab File: BM018376.D  
 Acq: 22 Dec 2018 02:43

Tgt Ion:172 Resp: 1248925  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.3 42.5  
 170 22.9 18.1 27.1



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





#50

Dimethylphthalate

Concen: 3.716 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

Instrument :

BNA\_M

ClientSampleId :

P001-SS014-0006-01

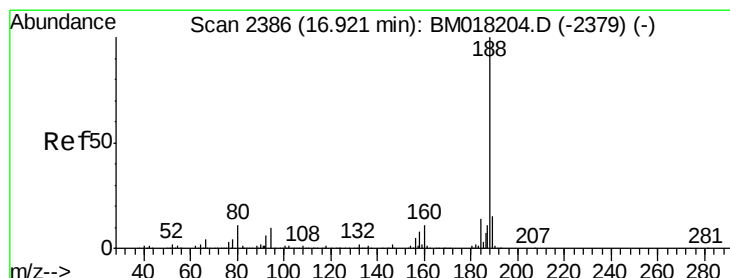
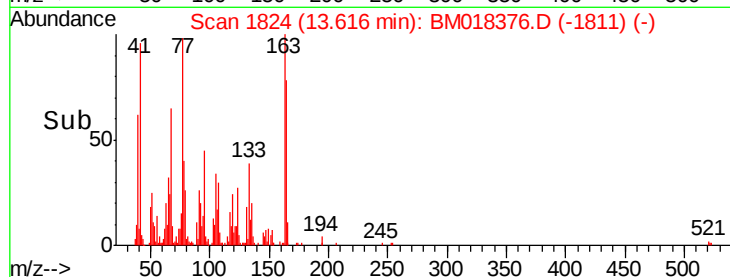
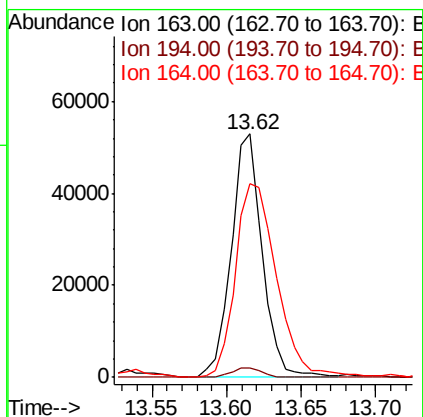
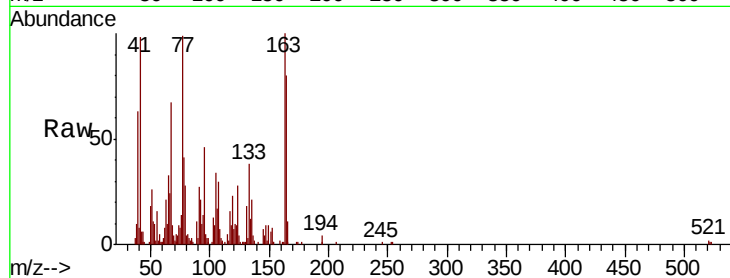
Tgt Ion:163 Resp: 76978

Ion Ratio Lower Upper

163 100

194 3.7 3.1 4.7

164 79.7 7.9 11.9#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.91 min Scan# 2384

Delta R.T. -0.01 min

Lab File: BM018376.D

Acq: 22 Dec 2018 02:43

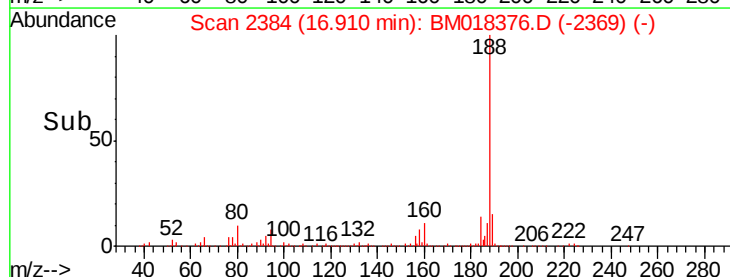
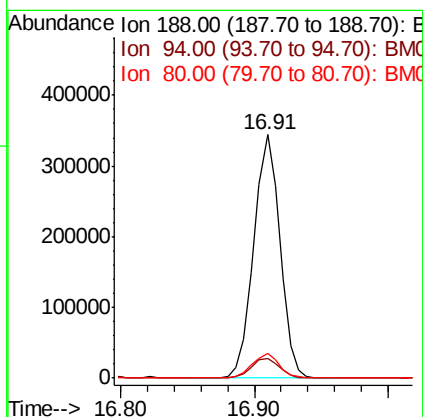
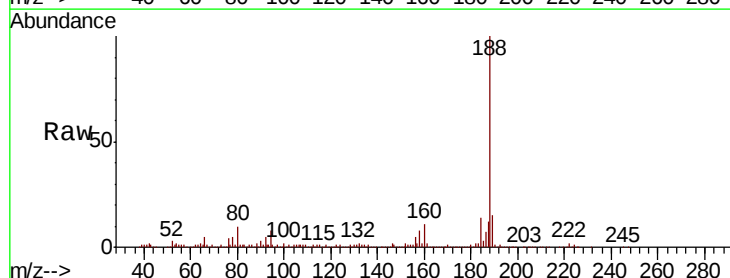
Tgt Ion:188 Resp: 465726

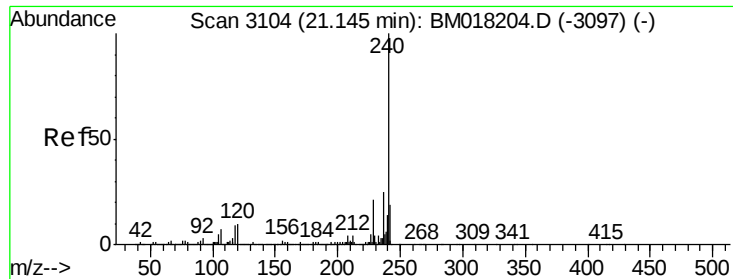
Ion Ratio Lower Upper

188 100

94 7.9 8.0 12.0#

80 10.0 9.0 13.6

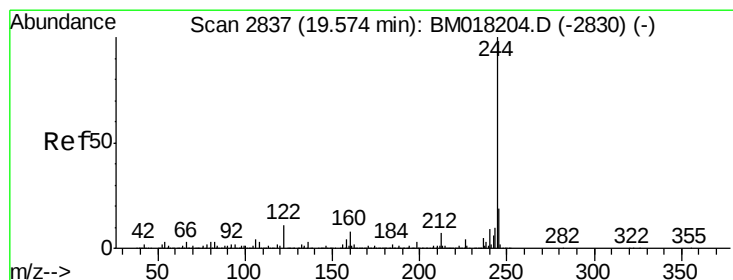
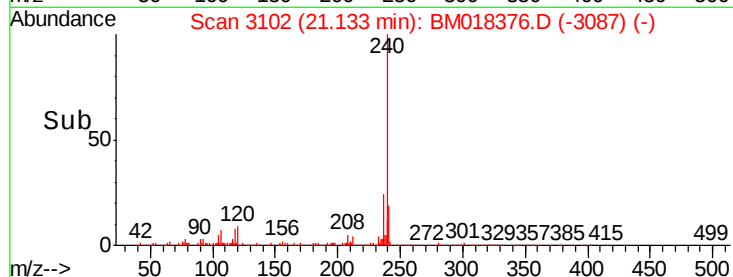
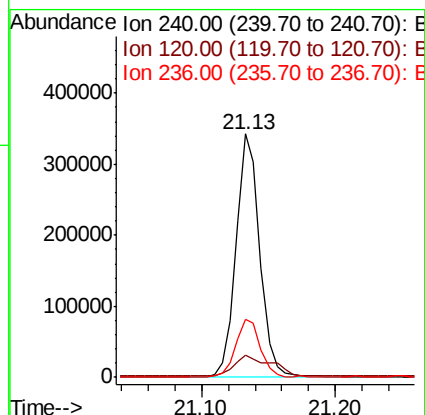
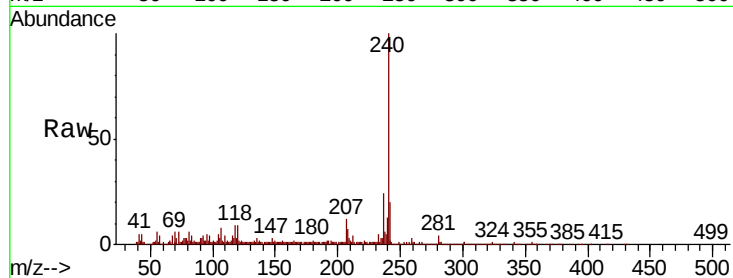




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.13 min Scan# 3102  
Delta R.T. -0.01 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

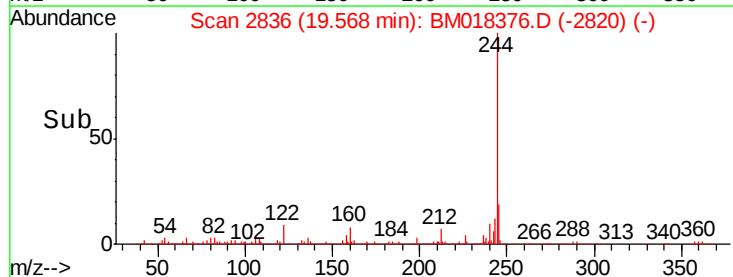
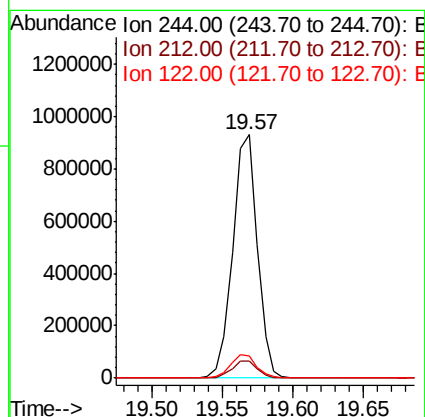
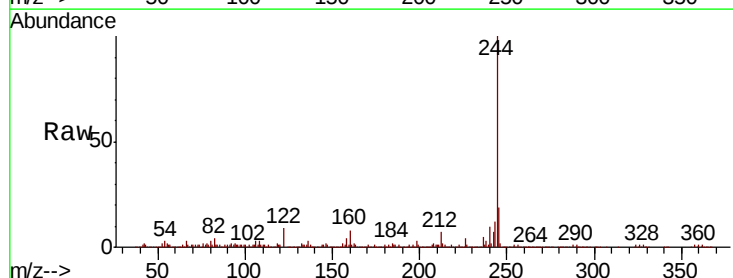
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SS014-0006-01

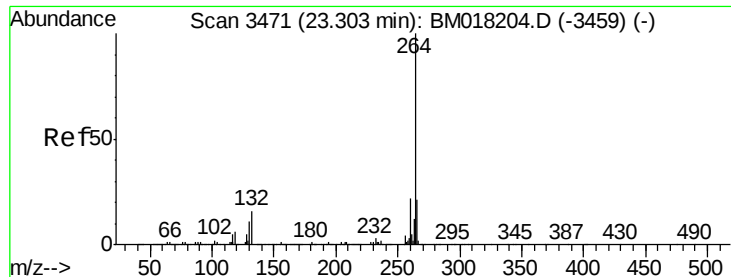
Tgt Ion:240 Resp: 419579  
Ion Ratio Lower Upper  
240 100  
120 9.3 8.2 12.2  
236 24.1 20.3 30.5



#79  
Terphenyl-d14  
Concen: 60.957 ng  
RT: 19.57 min Scan# 2836  
Delta R.T. -0.01 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

Tgt Ion:244 Resp: 1130862  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.8 8.8  
122 9.0 9.0 13.6#





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.30 min Scan# 3471  
Delta R.T. 0.00 min  
Lab File: BM018376.D  
Acq: 22 Dec 2018 02:43

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SS014-0006-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 17.5  | 26.3  |
| 265     | 22.3  | 17.3  | 25.9  |

