

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072117\  
 Data File : BM010946.D  
 Acq On : 21 Jul 2017 21:24  
 Operator : SJ/JU  
 Sample : I4302-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RINSEBLANK-SOIL

Quant Time: Jul 21 23:26:43 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 239322   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 10.18 | 136  | 853972   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.07 | 164  | 532541   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 16.83 | 188  | 1278448  | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.05 | 240  | 1498352  | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.18 | 264  | 1368242  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.06  | 112  | 720134   | 49.84  | ng    | -0.02    |
| 7) Phenol-d6                | 6.62  | 99   | 599737   | 30.11  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.57  | 82   | 1770675  | 79.70  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.58 | 330  | 1043460  | 128.22 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 12.69 | 172  | 3470388  | 81.07  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.50 | 244  | 5839722  | 75.38  | ng    | -0.01    |

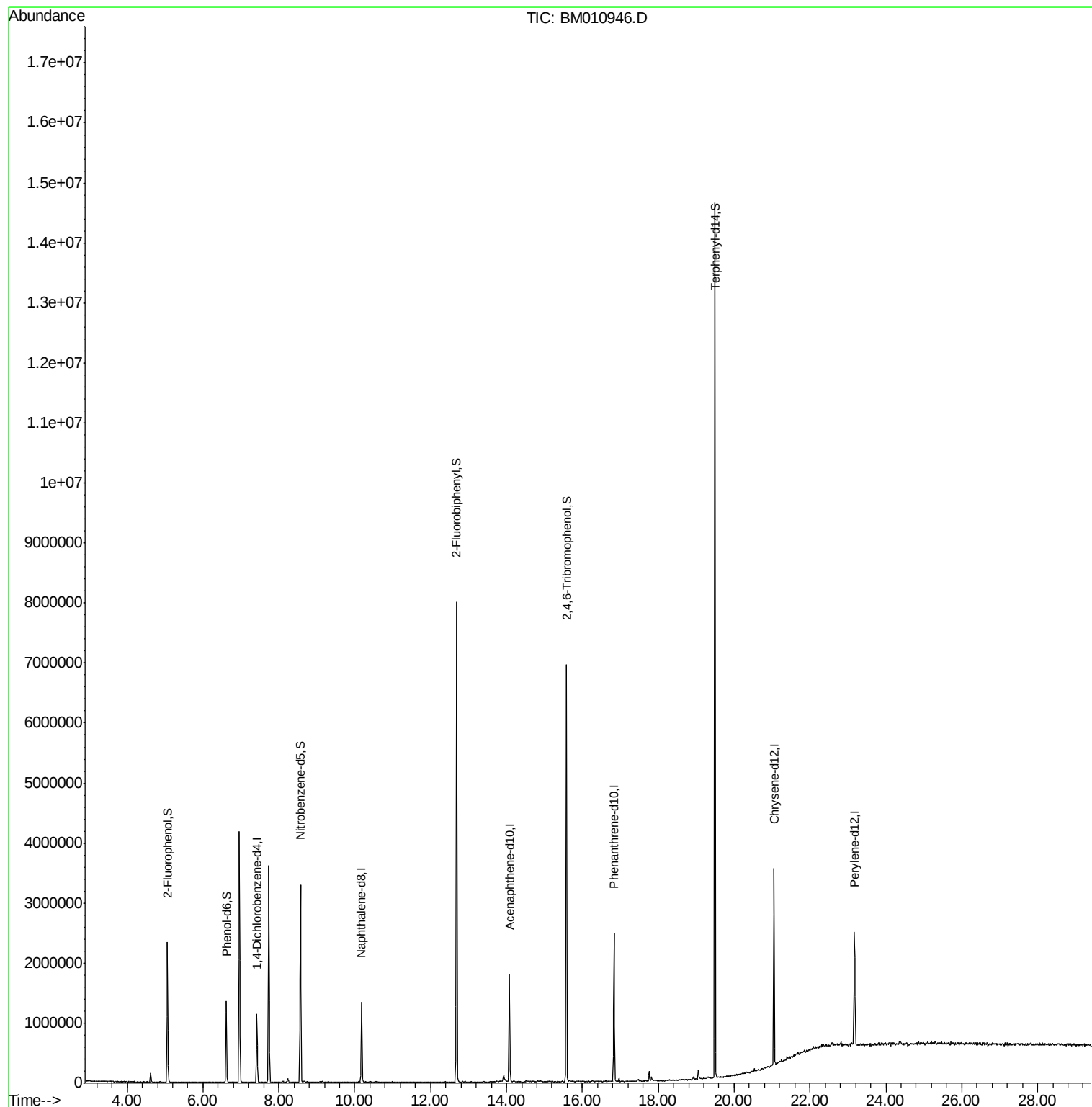
Target Compounds Qvalue

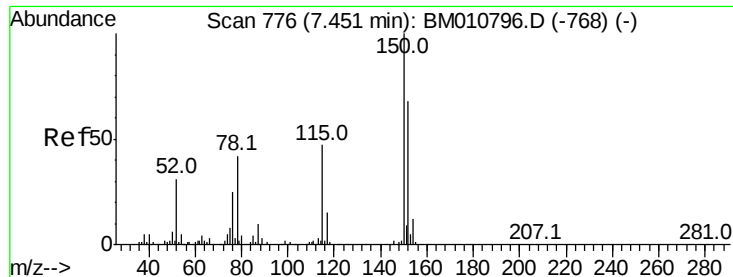
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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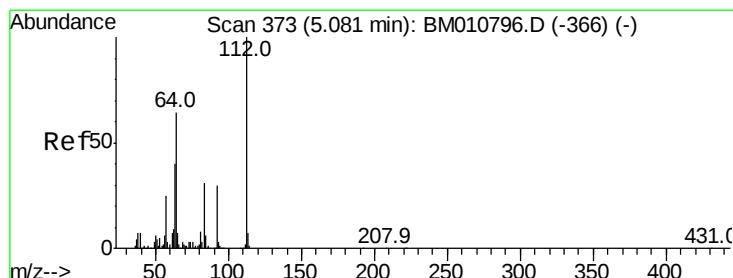
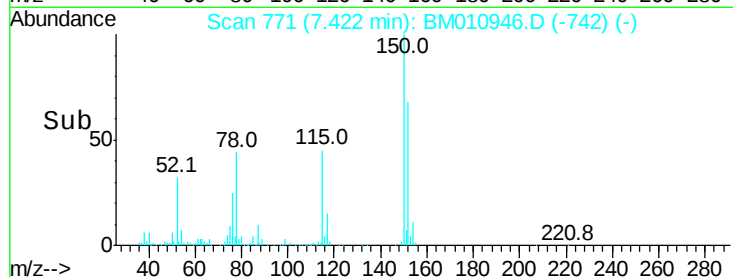
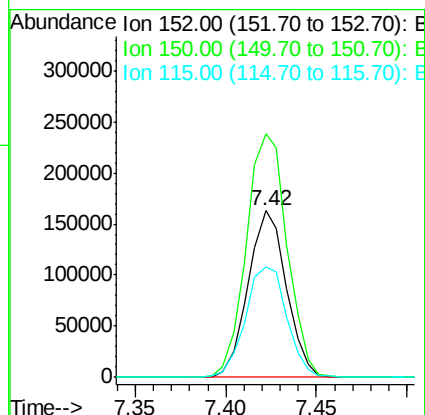
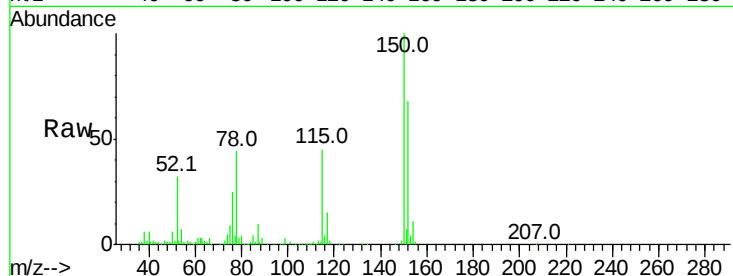


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.42 min Scan# 771  
Delta R.T. -0.03 min  
Lab File: BM010946.D  
Acq: 21 Jul 2017 21:24

Instrument :  
BNA\_M  
ClientSampleId :  
RINSEBLANK-SOIL

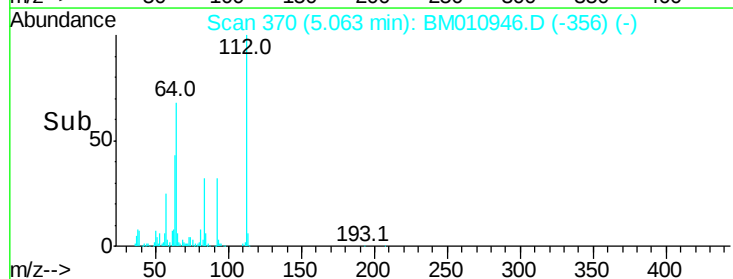
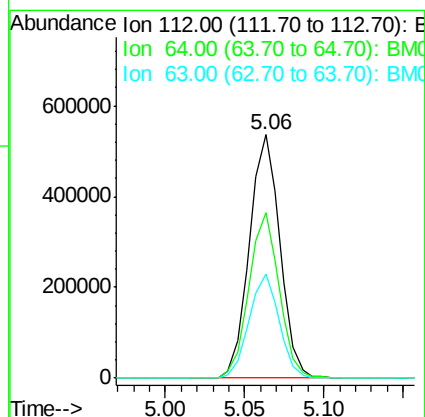
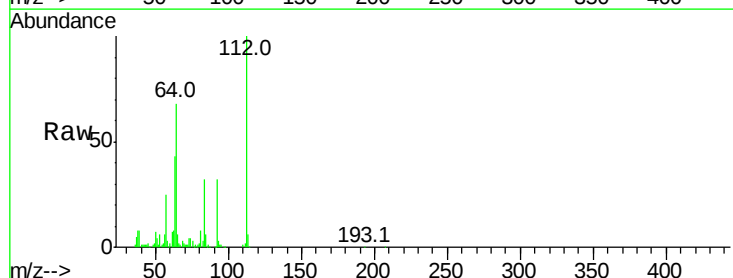
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.4 | 119.5 | 179.3 |
| 115     | 66.3  | 43.0  | 64.4# |

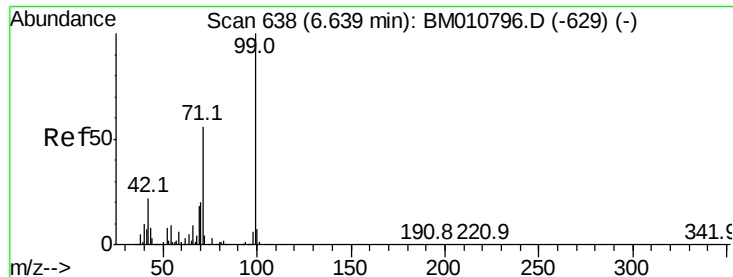


#5

2-Fluorophenol  
Concen: 49.845 ng  
RT: 5.06 min Scan# 370  
Delta R.T. -0.02 min  
Lab File: BM010946.D  
Acq: 21 Jul 2017 21:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.2  | 38.6  | 57.8# |
| 63      | 42.6  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 30.112 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.02 min

Lab File: BM010946.D

Acq: 21 Jul 2017 21:24

Instrument :

BNA\_M

ClientSampleId :

RINSEBLANK-SOIL

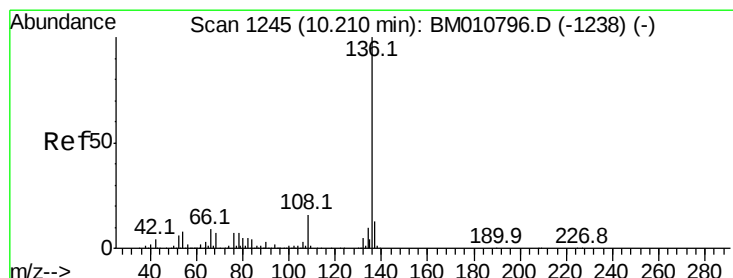
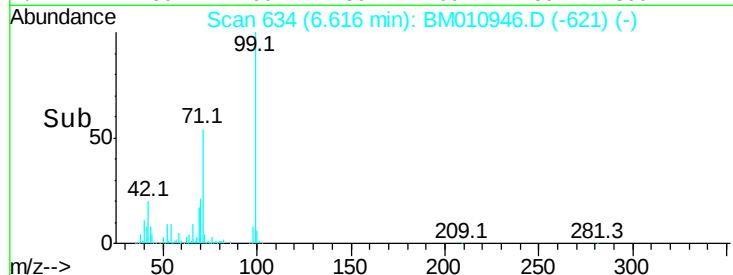
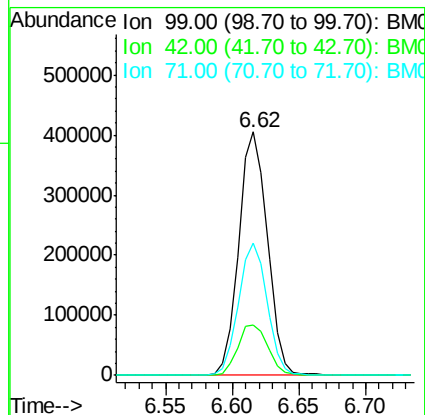
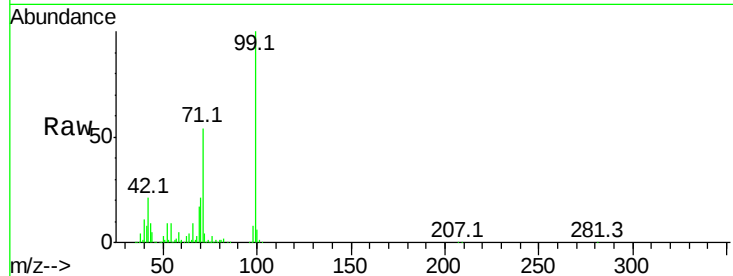
Tot Ion: 99 Resp: 599737

Ion Ratio Lower Upper

99 100

42 20.6 11.0 16.4#

71 54.3 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.03 min

Lab File: BM010946.D

Acq: 21 Jul 2017 21:24

Tgt Ion: 136 Resp: 853972

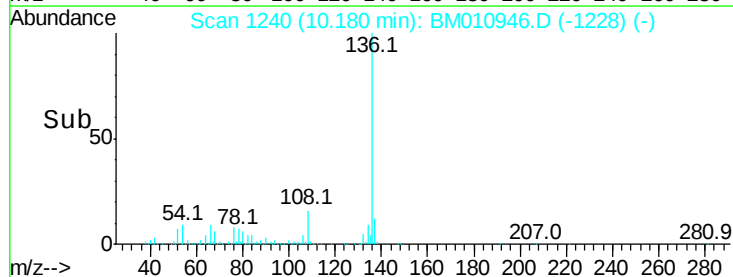
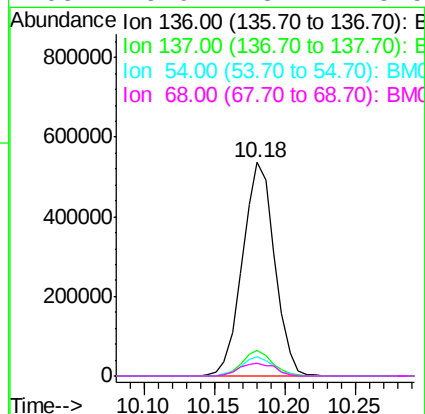
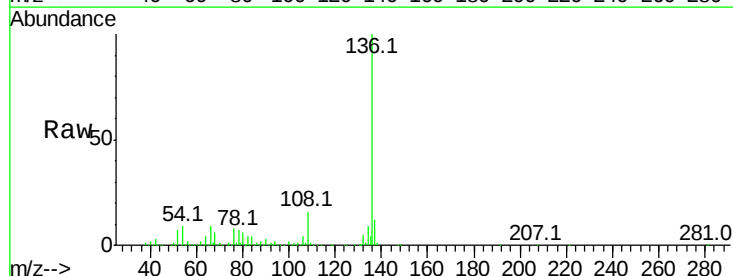
Ion Ratio Lower Upper

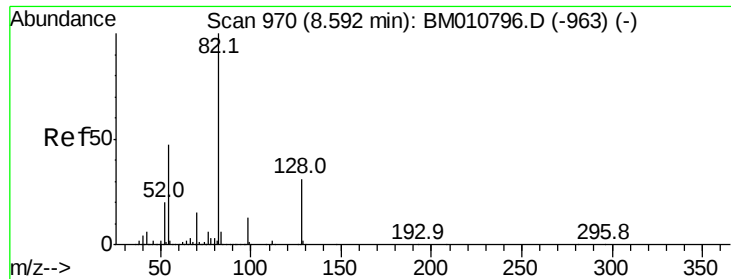
136 100

137 11.8 8.7 13.1

54 8.8 4.6 6.8#

68 5.9 3.7 5.5#

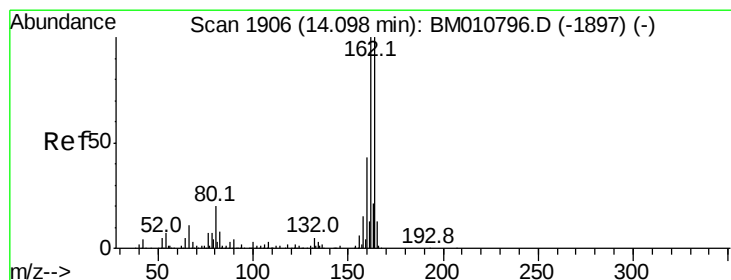
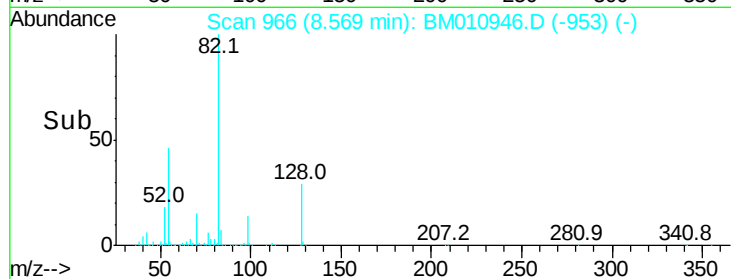
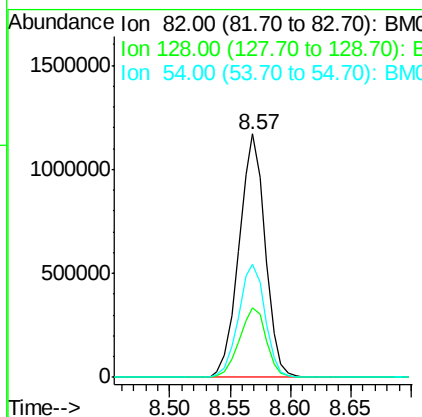
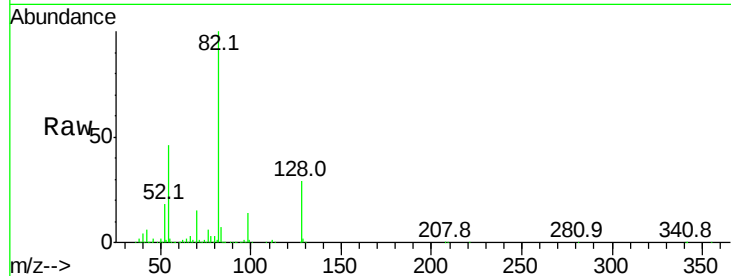




#23  
 Nitrobenzene-d5  
 Concen: 79.699 ng  
 RT: 8.57 min Scan# 966  
 Delta R.T. -0.02 min  
 Lab File: BM010946.D  
 Acq: 21 Jul 2017 21:24

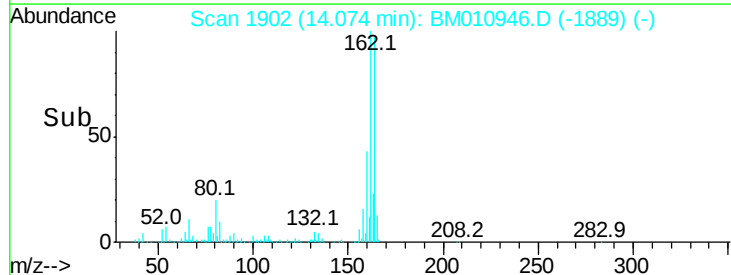
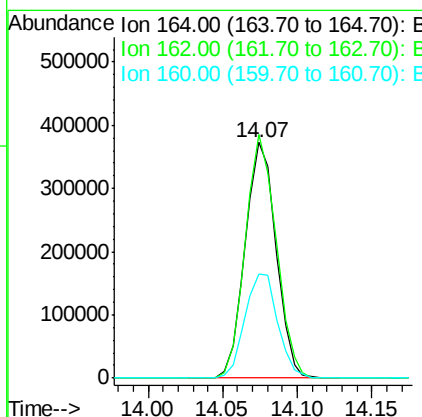
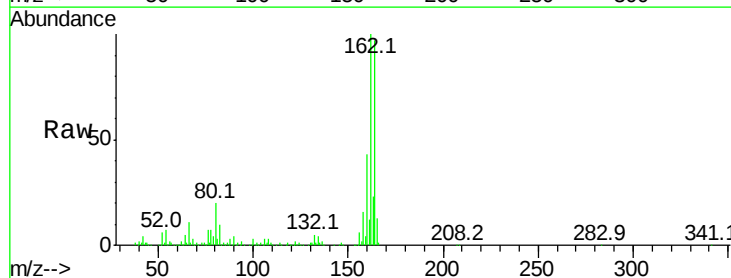
Instrument :  
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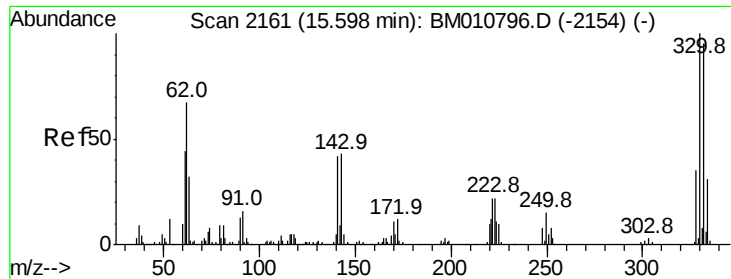
Tot Ion: 82 Resp: 1770675  
 Ion Ratio Lower Upper  
 82 100  
 128 28.7 32.8 49.2#  
 54 46.3 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.07 min Scan# 1902  
 Delta R.T. -0.02 min  
 Lab File: BM010946.D  
 Acq: 21 Jul 2017 21:24

Tgt Ion:164 Resp: 532541  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 82.4 123.6  
 160 44.3 35.8 53.6

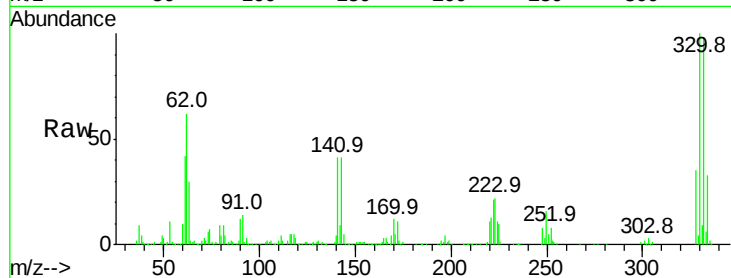




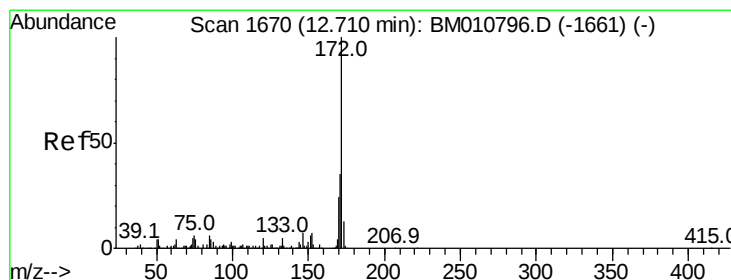
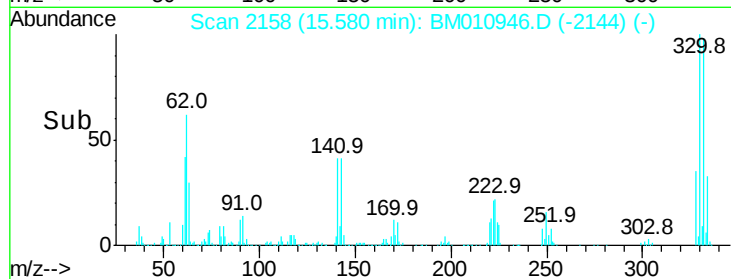
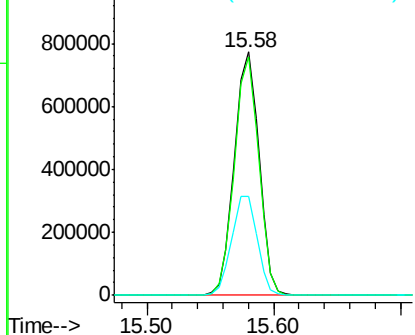
#41  
 2,4,6-Tribromophenol  
 Concen: 128.217 ng  
 RT: 15.58 min Scan# 2158  
 Delta R.T. -0.02 min  
 Lab File: BM010946.D  
 Acq: 21 Jul 2017 21:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RINSEBLANK-SOIL

Tot Ion:330 Resp: 1043460  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 0.0 0.0#  
 141 42.3 0.0 0.0#

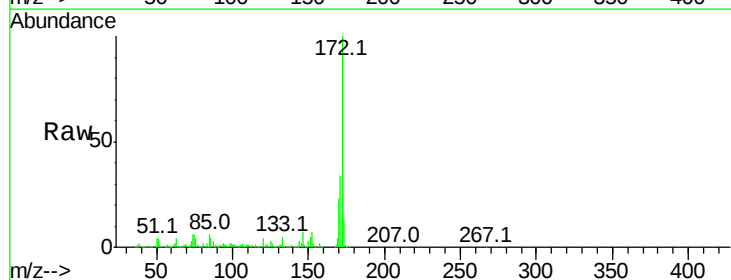


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

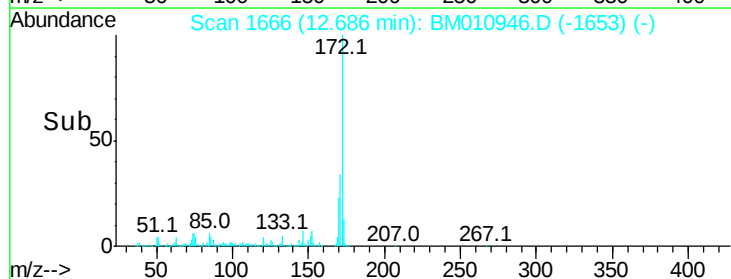
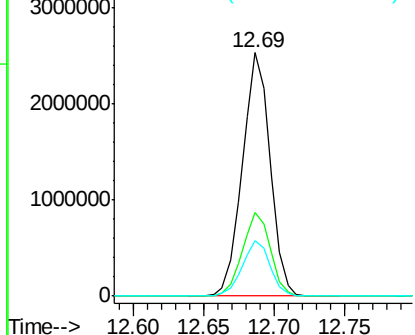


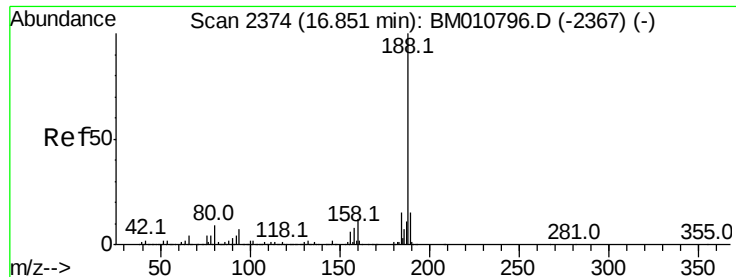
#44  
 2-Fluorobiphenyl  
 Concen: 81.069 ng  
 RT: 12.69 min Scan# 1666  
 Delta R.T. -0.02 min  
 Lab File: BM010946.D  
 Acq: 21 Jul 2017 21:24

Tgt Ion:172 Resp: 3470388  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 28.5 42.7  
 170 23.0 18.8 28.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.83 min Scan# 2371

Delta R.T. -0.02 min

Lab File: BM010946.D

Acq: 21 Jul 2017 21:24

Instrument :

BNA\_M

ClientSampleId :

RINSEBLANK-SOIL

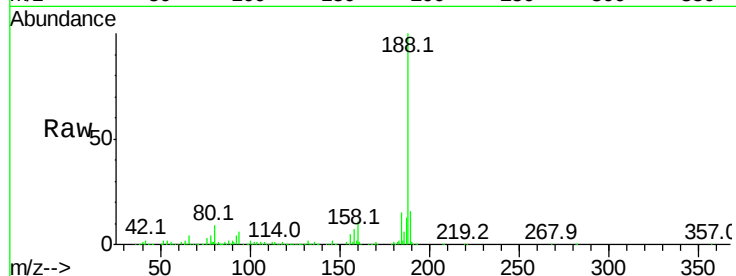
Tot Ion:188 Resp: 1278448

Ion Ratio Lower Upper

188 100

94 6.4 8.7 13.1#

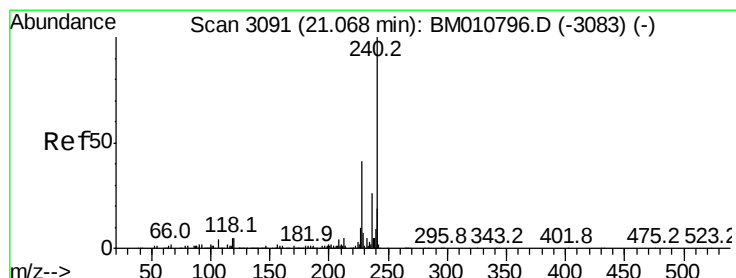
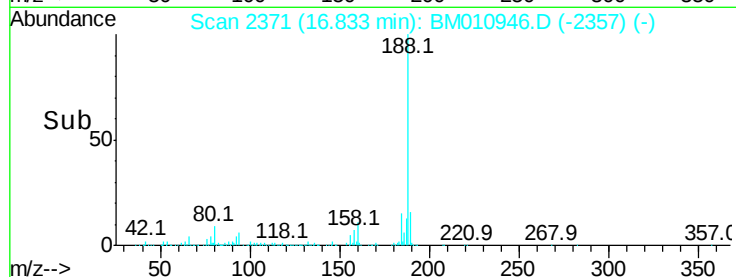
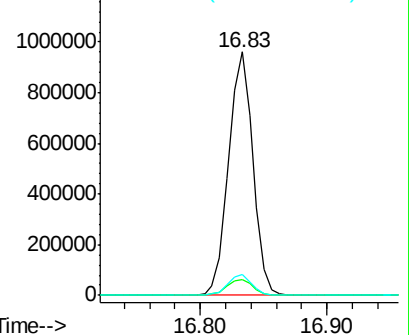
80 8.6 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.02 min

Lab File: BM010946.D

Acq: 21 Jul 2017 21:24

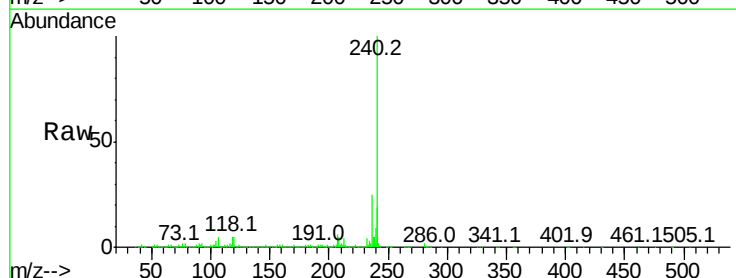
Tgt Ion:240 Resp: 1498352

Ion Ratio Lower Upper

240 100

120 5.3 8.2 12.2#

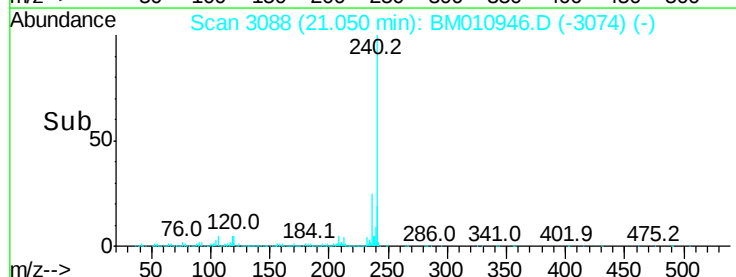
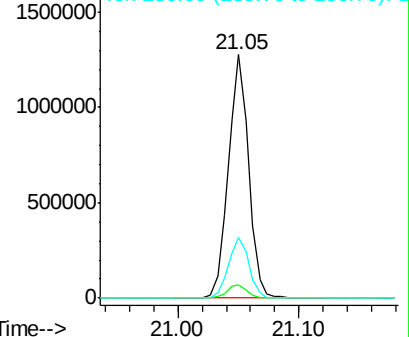
236 24.9 20.0 30.0

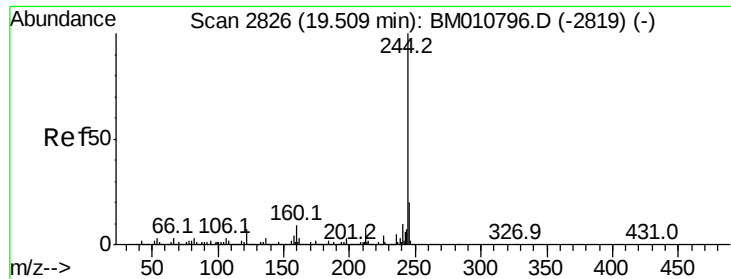


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.380 ng

RT: 19.50 min Scan# 2824

Delta R.T. -0.01 min

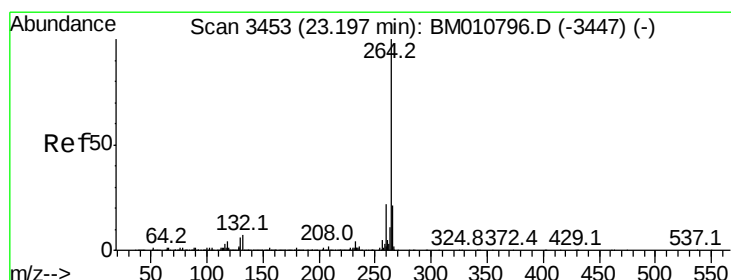
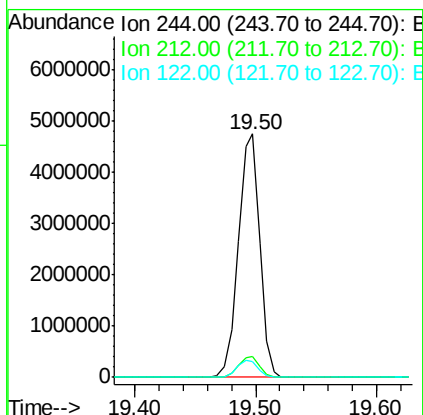
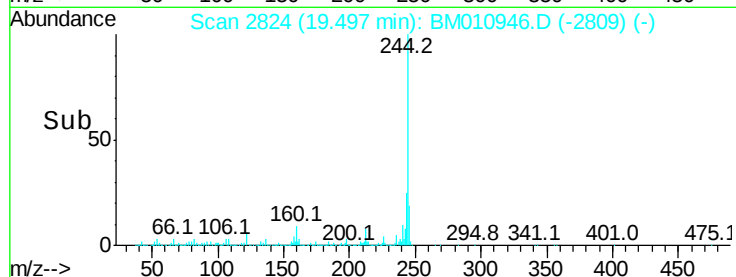
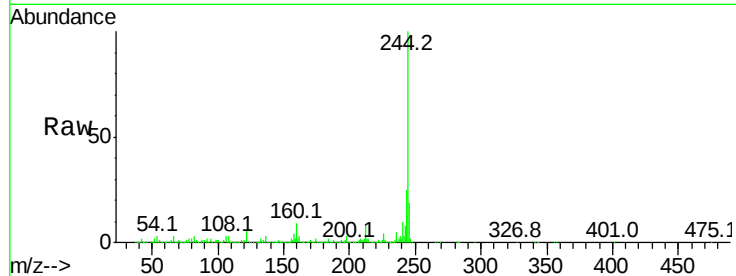
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Tot Ion:244 Resp: 5839722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 4.9   | 7.3#  |
| 122 | 6.5   | 6.2   | 9.4   |



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.18 min Scan# 3450

Delta R.T. -0.02 min

Lab File: BM010946.D

Acq: 21 Jul 2017 21:24

Tgt Ion:264 Resp: 1368242

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.3  | 18.6  | 27.8  |
| 265 | 21.8  | 17.3  | 25.9  |

