

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060618\  
 Data File : BM015521.D  
 Acq On : 07 Jun 2018 11:25  
 Operator : SJ/JU  
 Sample : J3321-03  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 07 12:15:57 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 06 14:01:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.35  | 152  | 137420   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.18 | 136  | 520534   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.97 | 164  | 270178   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.69 | 188  | 573956   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 585397   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 24.21 | 264  | 611741   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.85  | 112  | 267293   | 33.09 | ng    | 0.00     |
| 7) Phenol-d6                | 7.49  | 99   | 211895   | 17.35 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.53  | 82   | 900437   | 94.09 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 287228   | 73.98 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.60 | 172  | 1844483  | 91.66 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.24 | 244  | 2471850  | 97.46 | ng    | -0.01    |

Target Compounds Qvalue

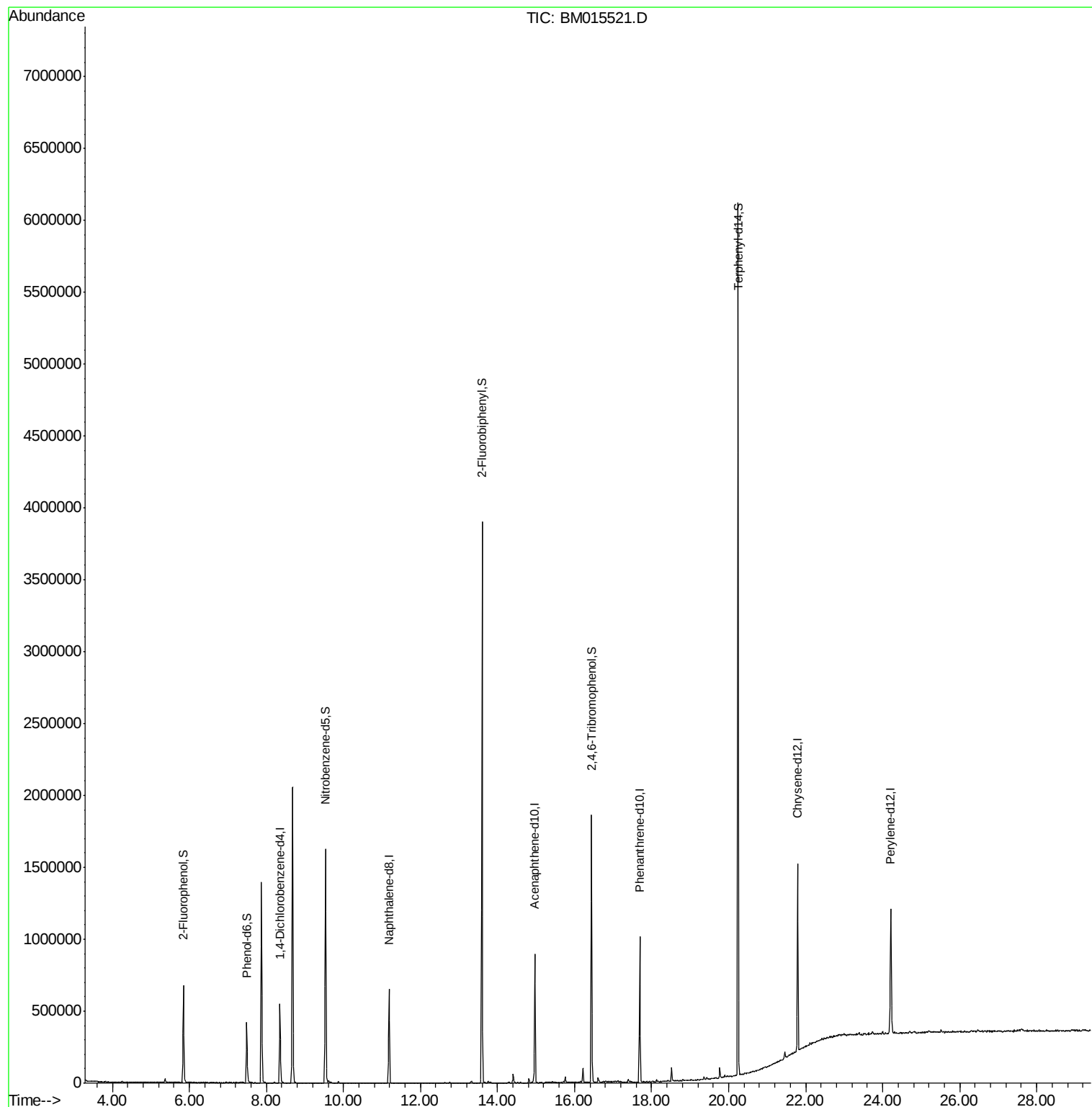
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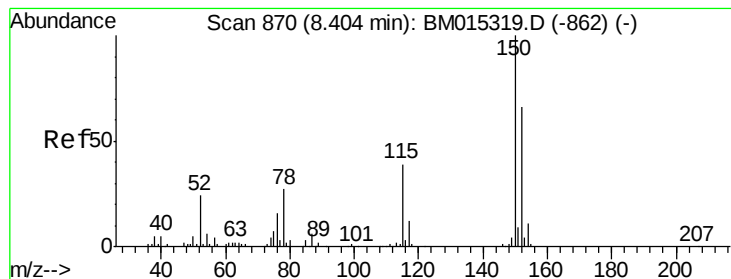
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3321-03  
Misc :  
ALS Vial : 36 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Jun 07 12:15:57 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM052518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 06 14:01:06 2018  
Response via : Initial Calibration

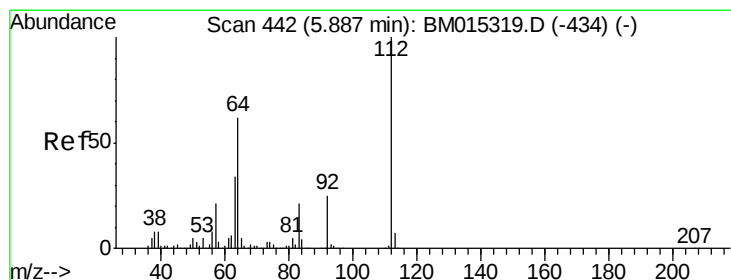
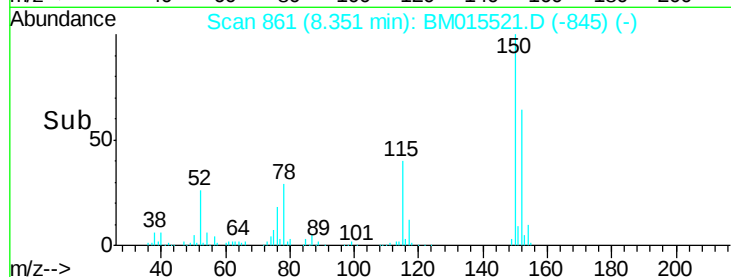
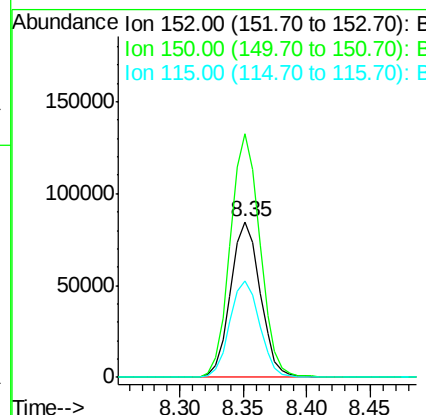
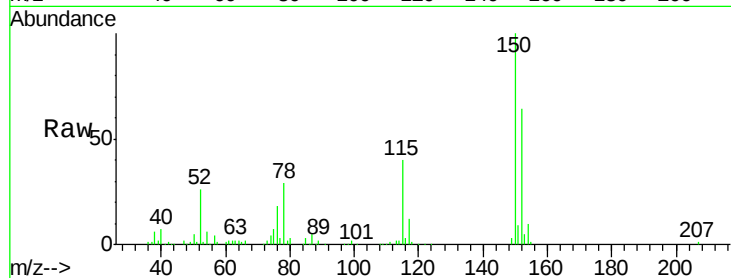




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.35 min Scan# 861  
 Delta R.T. -0.01 min  
 Lab File: BM015521.D  
 Acq: 07 Jun 2018 11:25

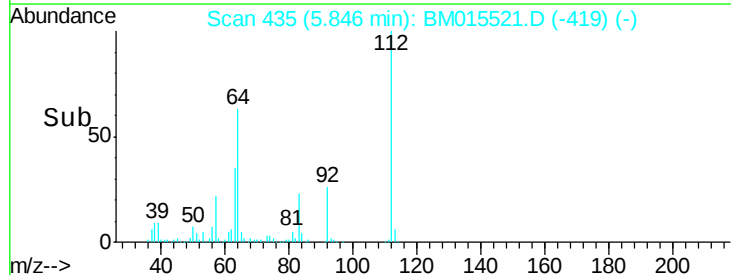
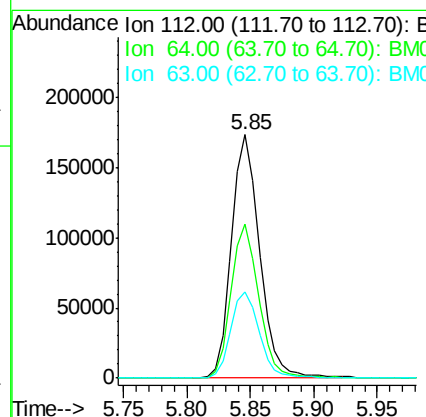
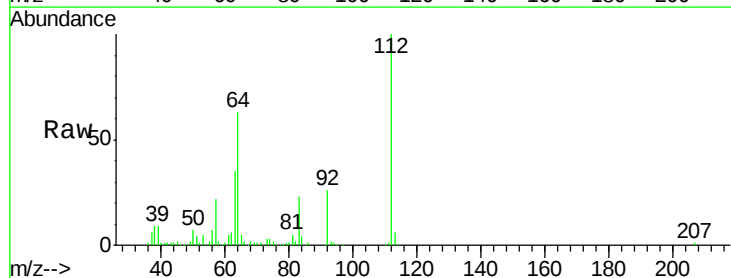
Instrument :  
 BNA\_M  
 ClientSampleId :

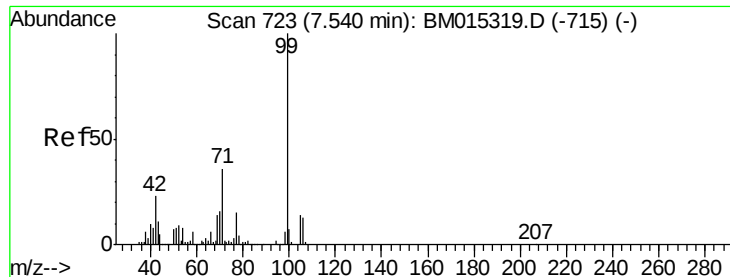
| Tot Ion   | 152   | Resp  | 137420 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 156.4 | 119.5 | 179.3  |
| 115       | 62.1  | 43.0  | 64.4   |



#5  
 2-Fluorophenol  
 Concen: 33.086 ng  
 RT: 5.85 min Scan# 435  
 Delta R.T. -0.01 min  
 Lab File: BM015521.D  
 Acq: 07 Jun 2018 11:25

| Tgt Ion   | 112   | Resp  | 267293 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 63.0  | 38.6  | 57.8#  |
| 63        | 35.4  | 19.3  | 28.9#  |





#7

Phenol-d6

Concen: 17.353 ng

RT: 7.49 min Scan# 715

Delta R.T. -0.01 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

Instrument :

BNA\_M

ClientSampleId :

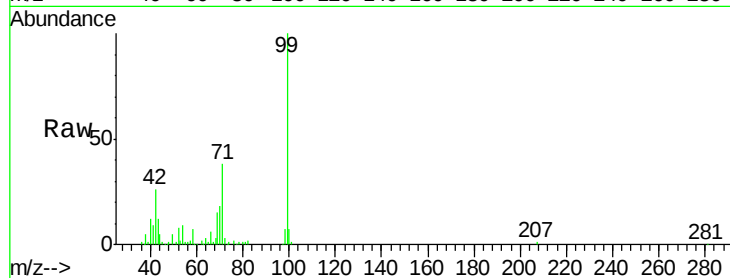
Tot Ion: 99 Resp: 211895

Ion Ratio Lower Upper

99 100

42 25.7 11.0 16.4#

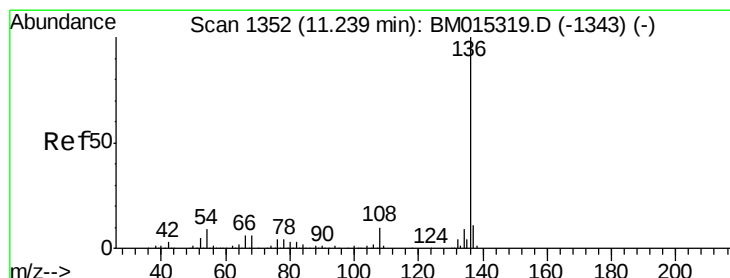
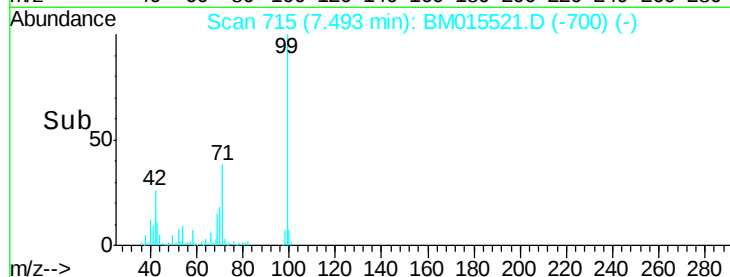
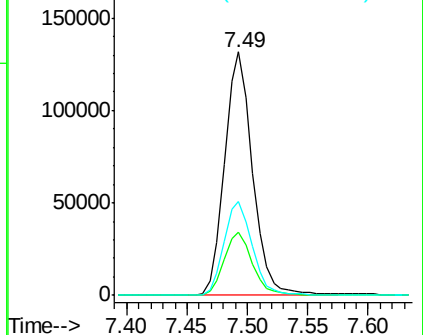
71 38.4 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM015521.D (-715) (-)

Ion 42.00 (41.70 to 42.70): BM015521.D (-715) (-)

Ion 71.00 (70.70 to 71.70): BM015521.D (-715) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.18 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

Tgt Ion: 136 Resp: 520534

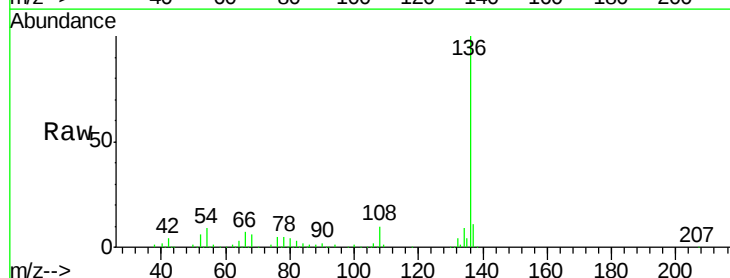
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.1 4.6 6.8#

68 6.0 3.7 5.5#

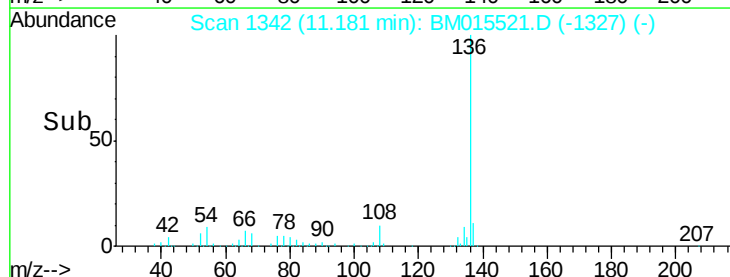
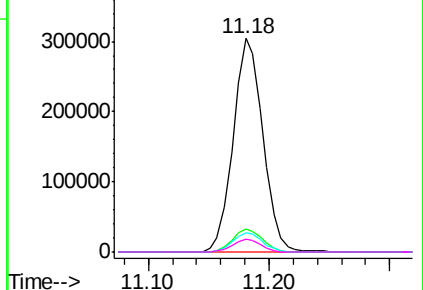


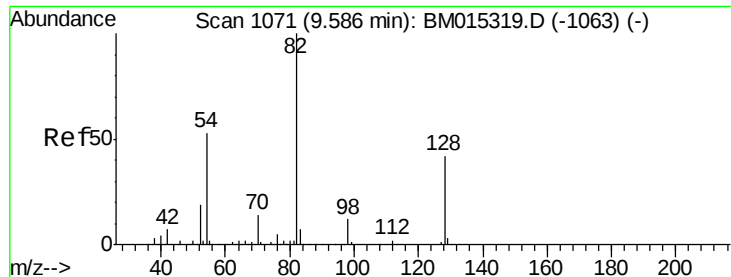
Abundance Ion 136.00 (135.70 to 136.70): BM015521.D (-1327) (-)

Ion 137.00 (136.70 to 137.70): BM015521.D (-1327) (-)

Ion 54.00 (53.70 to 54.70): BM015521.D (-1327) (-)

Ion 68.00 (67.70 to 68.70): BM015521.D (-1327) (-)

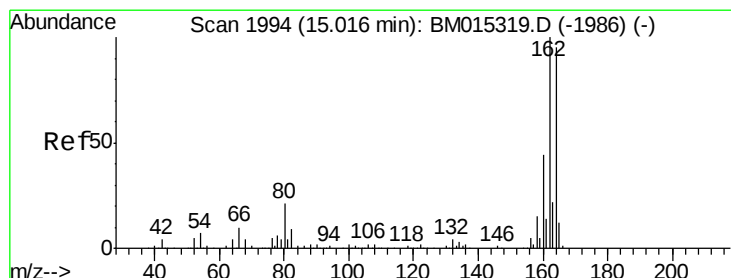
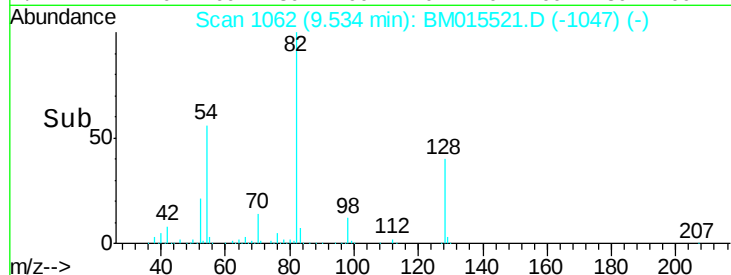
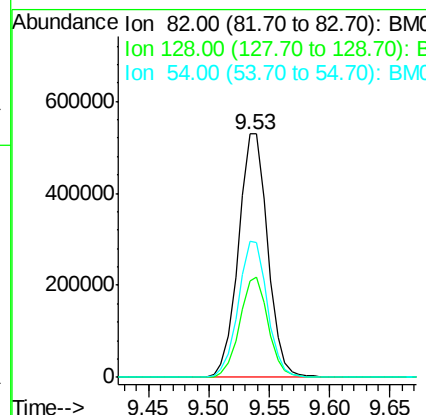
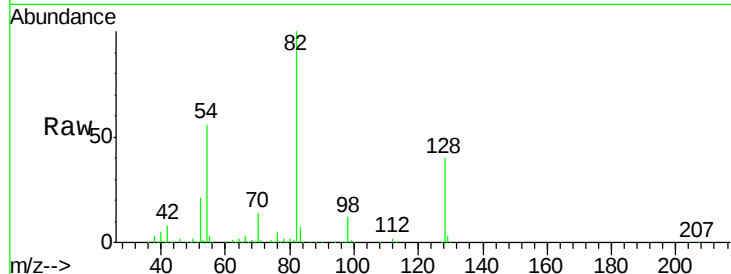




#23  
Nitrobenzene-d5  
Concen: 94.091 ng  
RT: 9.53 min Scan# 1062  
Delta R.T. -0.01 min  
Lab File: BM015521.D  
Acq: 07 Jun 2018 11:25

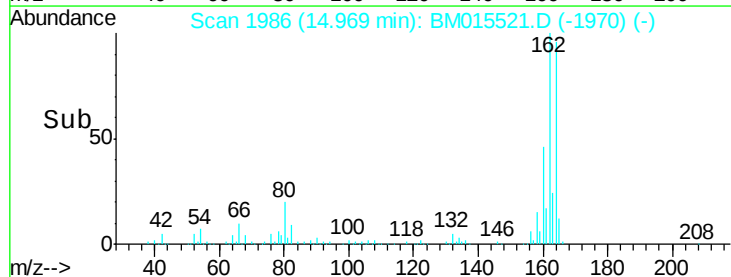
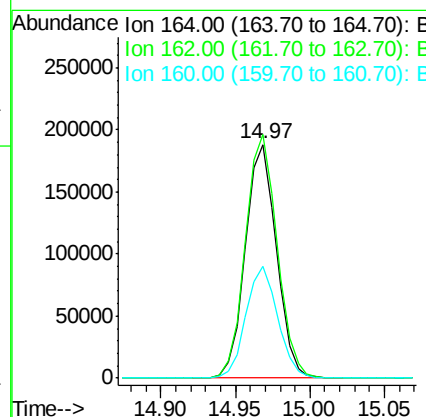
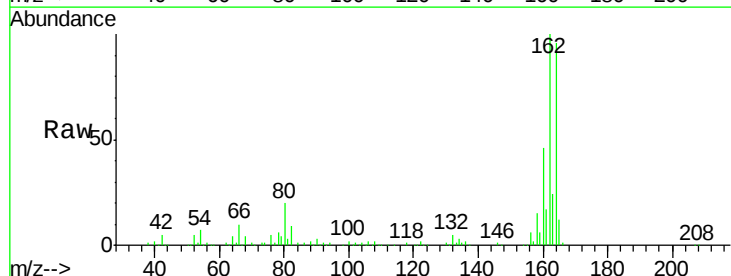
Instrument :  
BNA\_M  
ClientSampleId :

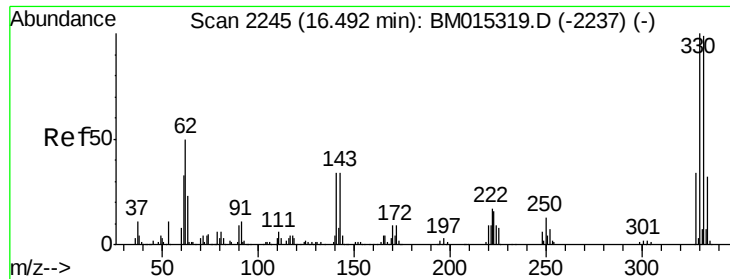
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.6  | 32.8  | 49.2  |
| 54      | 56.0  | 40.6  | 60.8  |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.97 min Scan# 1986  
Delta R.T. -0.01 min  
Lab File: BM015521.D  
Acq: 07 Jun 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.3 | 82.4  | 123.6 |
| 160     | 48.1  | 35.8  | 53.6  |

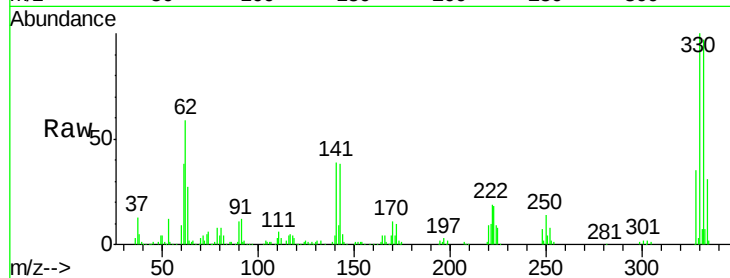




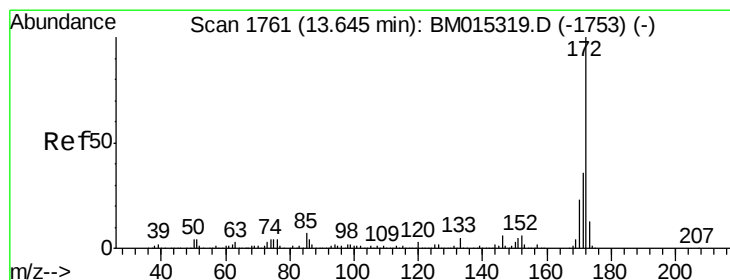
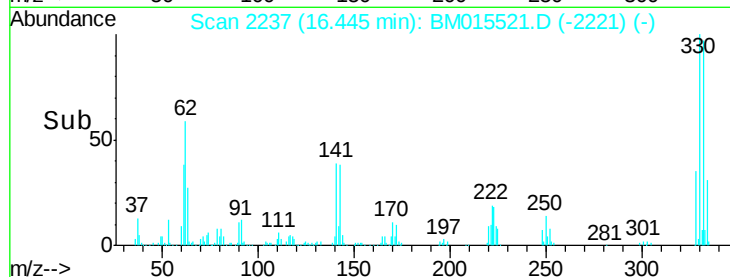
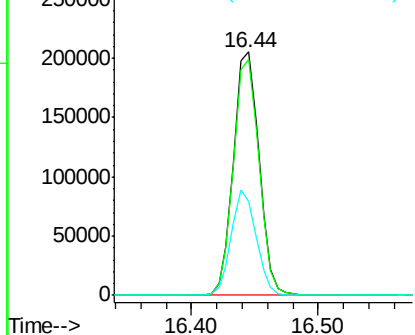
#41  
 2,4,6-Tribromophenol  
 Concen: 73.977 ng  
 RT: 16.44 min Scan# 2237  
 Delta R.T. -0.01 min  
 Lab File: BM015521.D  
 Acq: 07 Jun 2018 11:25

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 0.0   | 0.0#  |
| 141     | 41.8  | 0.0   | 0.0#  |

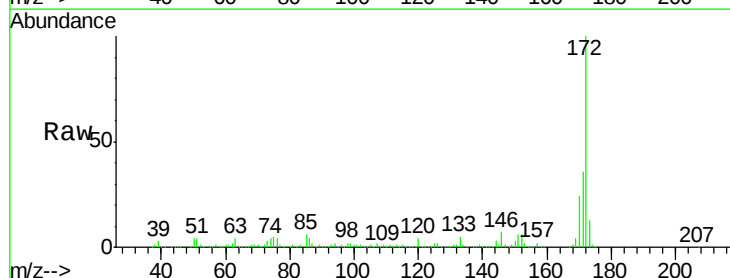


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

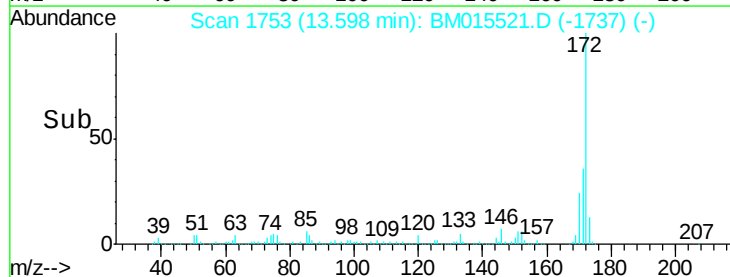
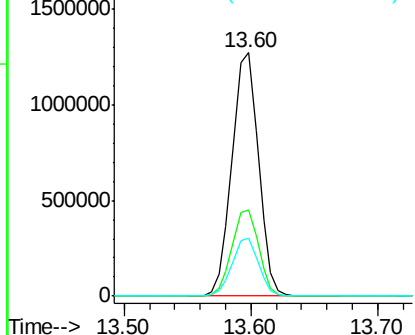


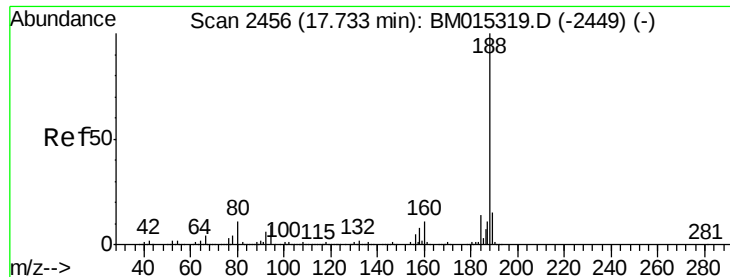
#44  
 2-Fluorobiphenyl  
 Concen: 91.663 ng  
 RT: 13.60 min Scan# 1753  
 Delta R.T. -0.01 min  
 Lab File: BM015521.D  
 Acq: 07 Jun 2018 11:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.5  | 42.7  |
| 170     | 23.7  | 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: 17.69 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

Instrument :

BNA\_M

ClientSampled :

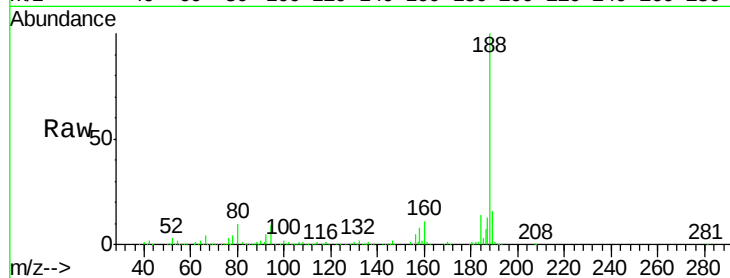
Tot Ion:188 Resp: 573956

Ion Ratio Lower Upper

188 100

94 8.9 8.7 13.1

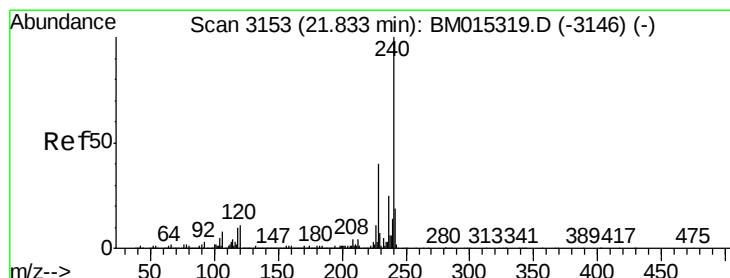
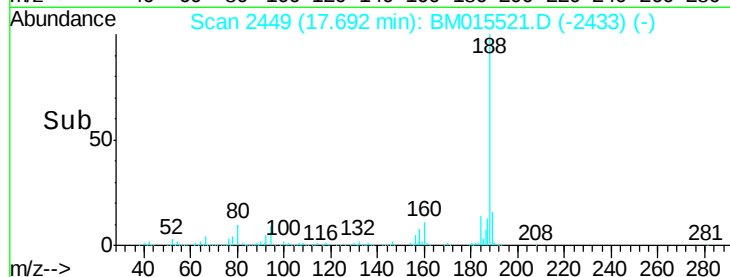
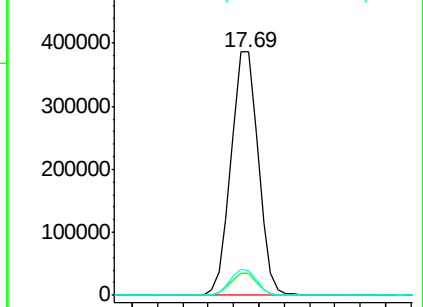
80 10.1 9.3 13.9



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: 21.79 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

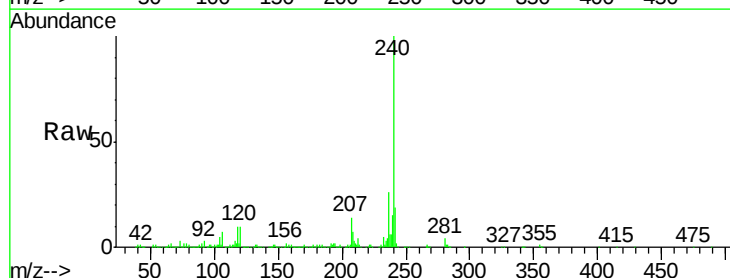
Tgt Ion:240 Resp: 585397

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

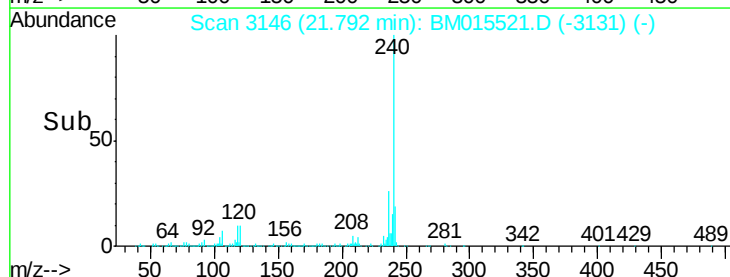
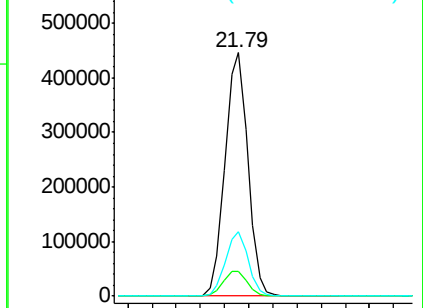
236 26.3 20.0 30.0

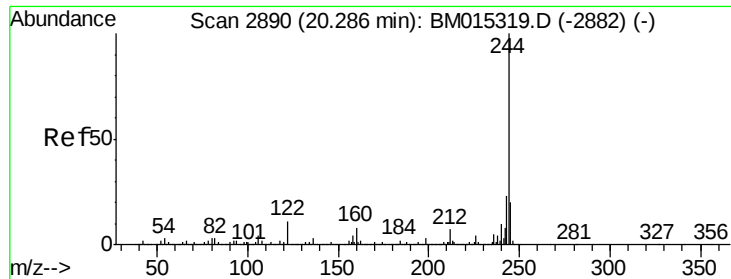


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 97.463 ng

RT: 20.24 min Scan# 2883

Delta R.T. -0.01 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

Instrument :

BNA\_M

ClientSampled :

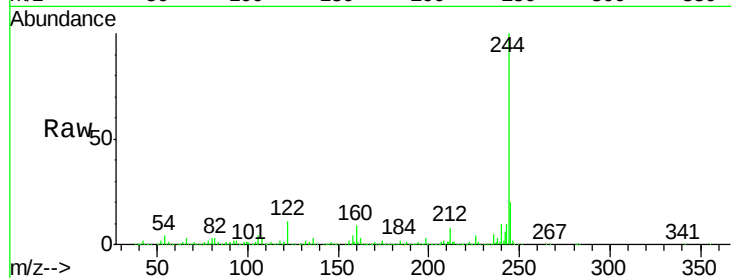
Tot Ion:244 Resp: 2471850

Ion Ratio Lower Upper

244 100

212 7.8 4.9 7.3#

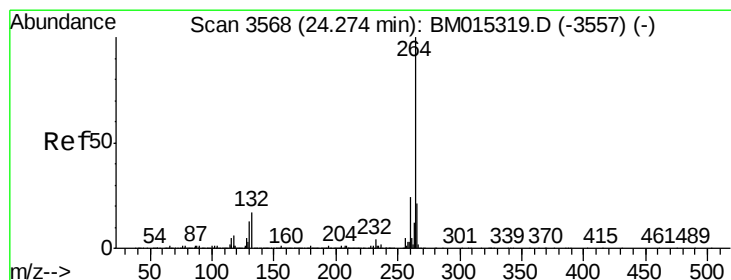
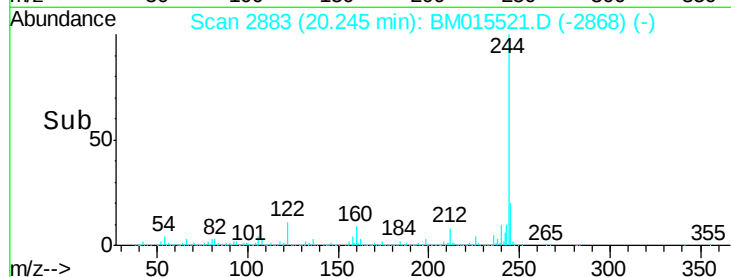
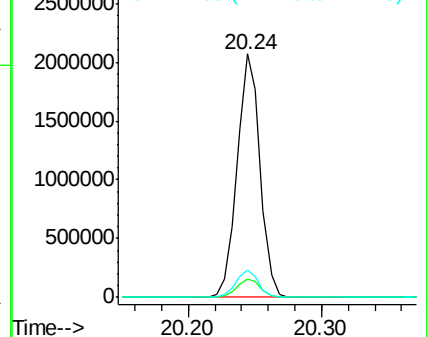
122 11.3 6.2 9.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.21 min Scan# 3557

Delta R.T. -0.02 min

Lab File: BM015521.D

Acq: 07 Jun 2018 11:25

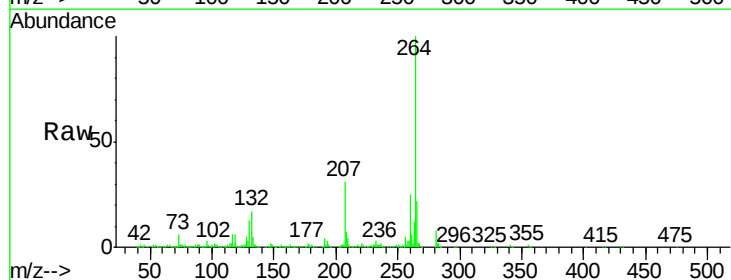
Tgt Ion:264 Resp: 611741

Ion Ratio Lower Upper

264 100

260 24.9 18.6 27.8

265 22.1 17.3 25.9



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

