

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082418\  
 Data File : BM016594.D  
 Acq On : 24 Aug 2018 18:39  
 Operator : SJ/JU  
 Sample : J4616-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VB27184

Quant Time: Aug 24 23:19:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 24 10:59:20 2018  
 Response via : Initial Calibration

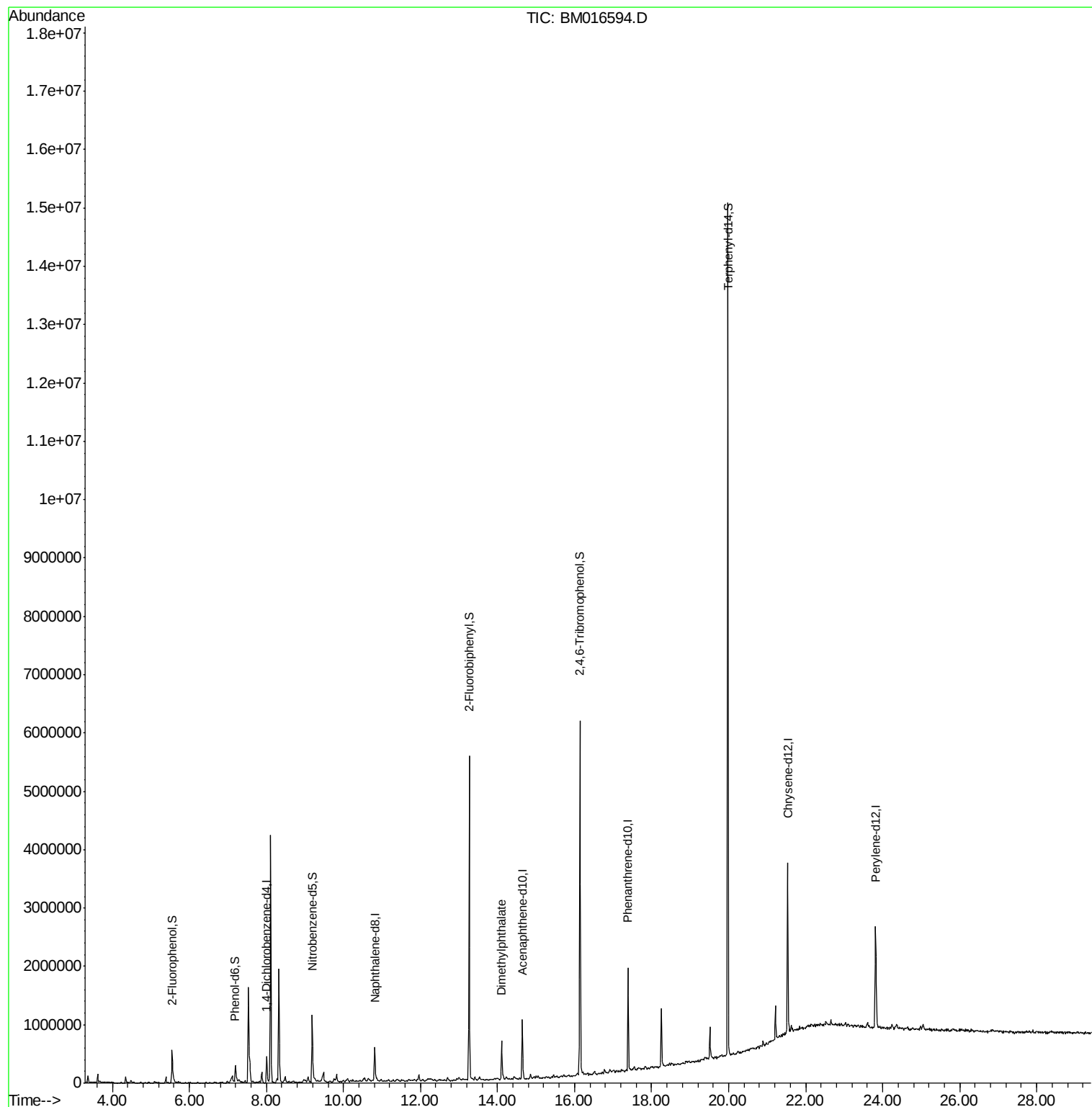
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.01  | 152  | 102348   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.81 | 136  | 374366   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.64 | 164  | 303308   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.39 | 188  | 1000231  | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.53 | 240  | 1301261  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 23.81 | 264  | 1427313  | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.55  | 112  | 224591   | 43.00  | ng    | 0.00           |
| 7) Phenol-d6                | 7.19  | 99   | 158492   | 22.93  | ng    | 0.01           |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 669540   | 81.66  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 1062231  | 125.28 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 2457976  | 77.90  | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.98 | 244  | 5640436  | 91.74  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.11 | 163  | 415143   | 14.247 | ng    | Qvalue<br># 97 |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Aug 24 10:59:20 2018  
Response via : Initial Calibration

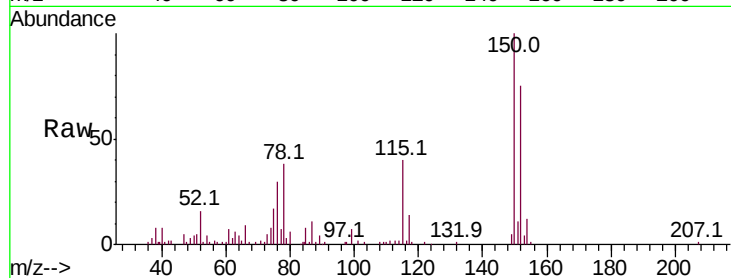




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.01 min Scan# 803  
 Delta R.T. 0.01 min  
 Lab File: BM016594.D  
 Acq: 24 Aug 2018 18:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VB27184

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 133.9 | 119.5 | 179.3 |
| 115     | 54.1  | 43.0  | 64.4  |

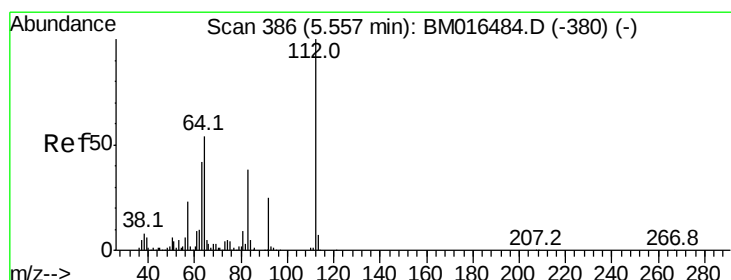
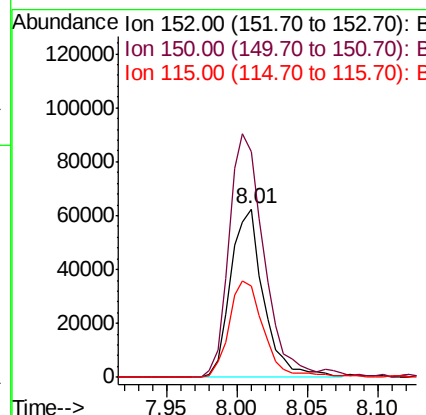
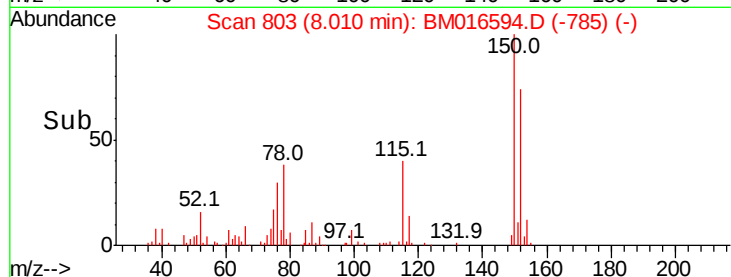


Abundance

Ion 152.00 (151.70 to 152.70): E

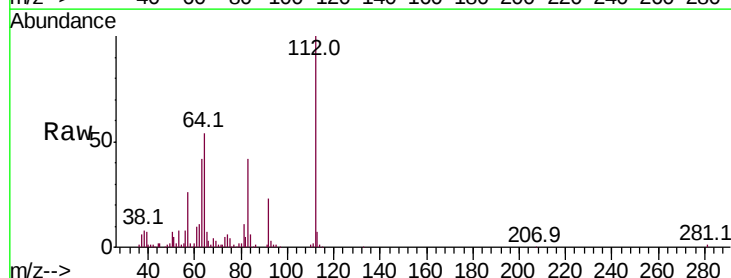
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 43.001 ng  
 RT: 5.55 min Scan# 385  
 Delta R.T. -0.00 min  
 Lab File: BM016594.D  
 Acq: 24 Aug 2018 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 54.0  | 38.6  | 57.8  |
| 63      | 41.6  | 19.3  | 28.9  |

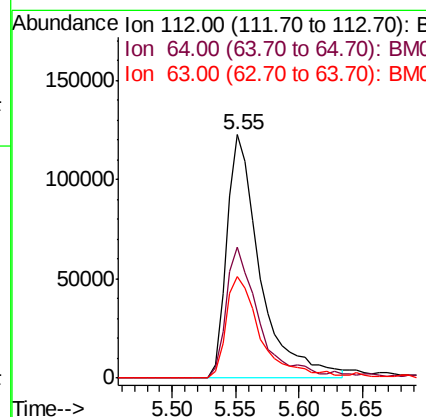
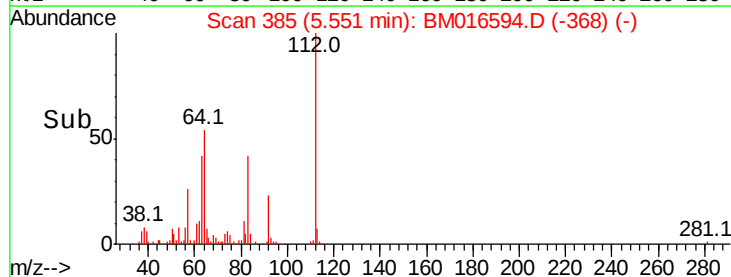


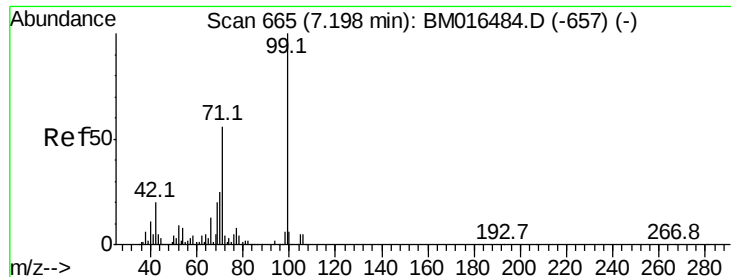
Abundance

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: 22.932 ng

RT: 7.19 min Scan# 664

Delta R.T. 0.01 min

Lab File: BM016594.D

Acq: 24 Aug 2018 18:39

Instrument :

BNA\_M

ClientSampleId :

VB27184

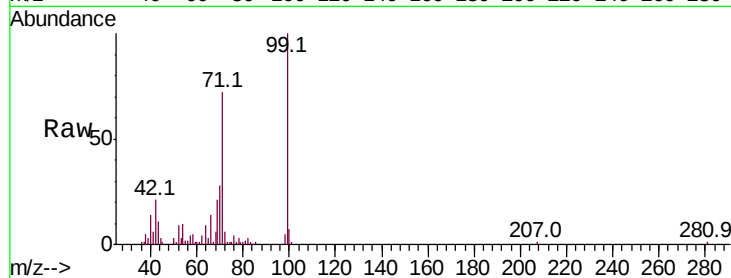
Tot Ion: 99 Resp: 158492

Ion Ratio Lower Upper

99 100

42 20.9 11.0 16.4#

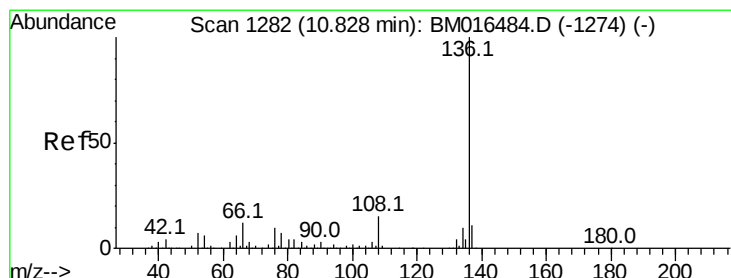
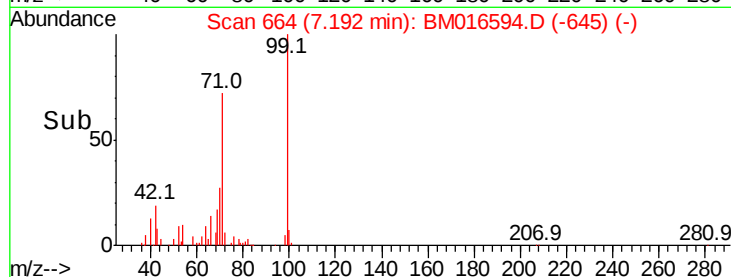
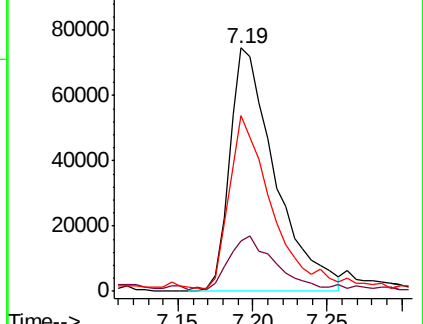
71 72.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016594.D (-645) (-)

Ion 42.00 (41.70 to 42.70): BM016594.D (-645) (-)

Ion 71.00 (70.70 to 71.70): BM016594.D (-645) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: BM016594.D

Acq: 24 Aug 2018 18:39

Tgt Ion: 136 Resp: 374366

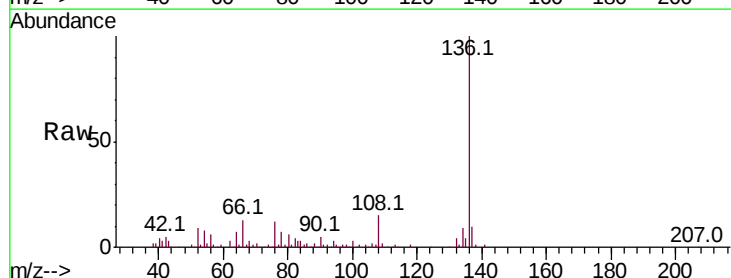
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 8.5 4.6 6.8#

68 3.3 3.7 5.5#

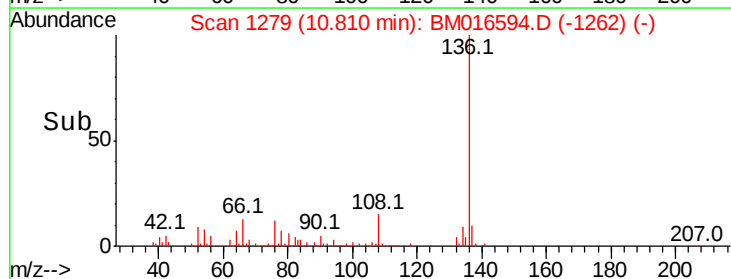
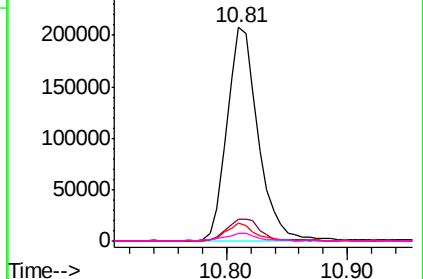


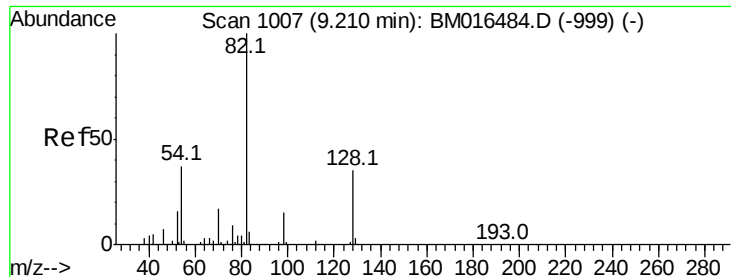
Abundance Ion 136.00 (135.70 to 136.70): BM016594.D (-1262) (-)

Ion 137.00 (136.70 to 137.70): BM016594.D (-1262) (-)

Ion 54.00 (53.70 to 54.70): BM016594.D (-1262) (-)

Ion 68.00 (67.70 to 68.70): BM016594.D (-1262) (-)

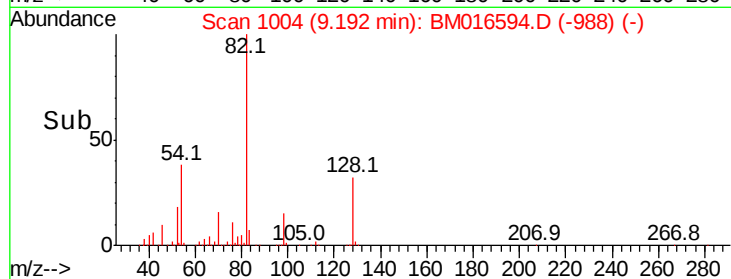
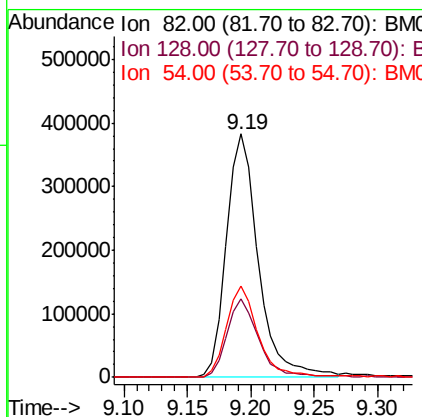
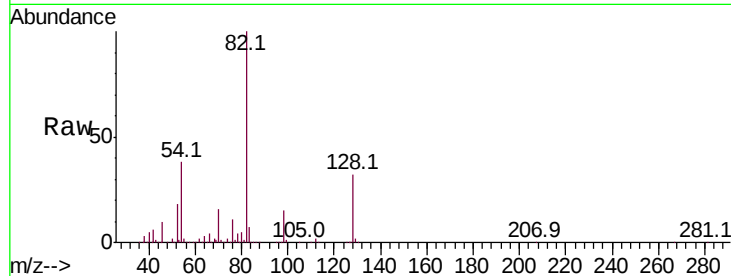




#23  
Nitrobenzene-d5  
Concen: 81.659 ng  
RT: 9.19 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BM016594.D  
Acq: 24 Aug 2018 18:39

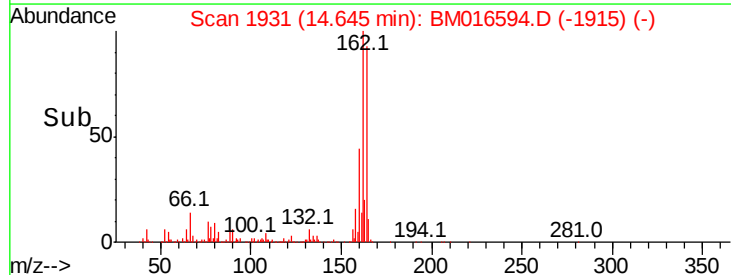
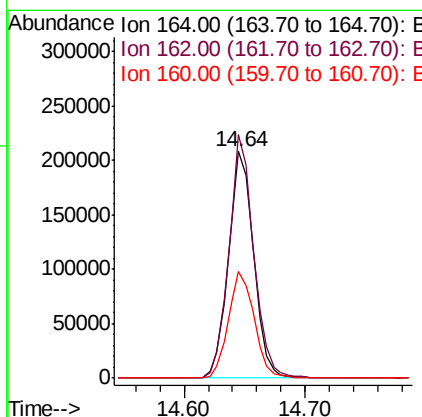
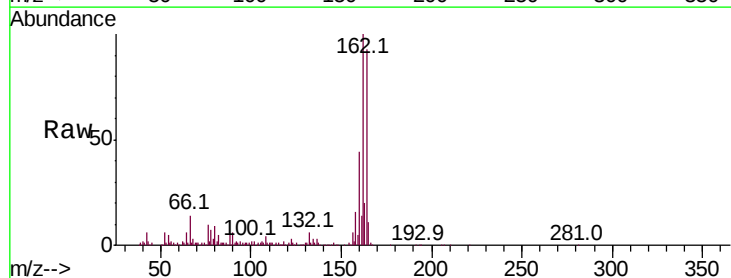
Instrument :  
BNA\_M  
ClientSampled :  
VB27184

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 32.3  | 32.8  | 49.2# |
| 54      | 37.6  | 40.6  | 60.8# |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.64 min Scan# 1931  
Delta R.T. -0.01 min  
Lab File: BM016594.D  
Acq: 24 Aug 2018 18:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.4 | 82.4  | 123.6 |
| 160     | 47.1  | 35.8  | 53.6  |

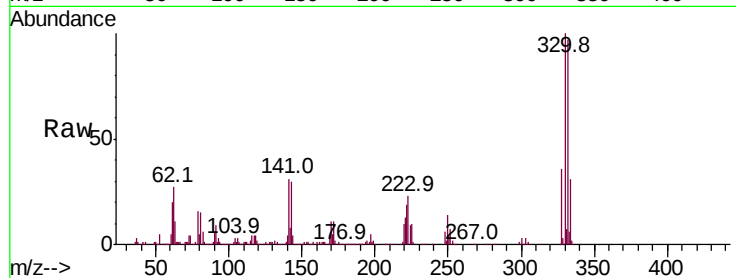




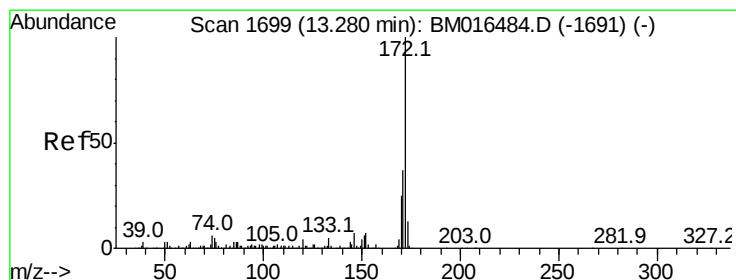
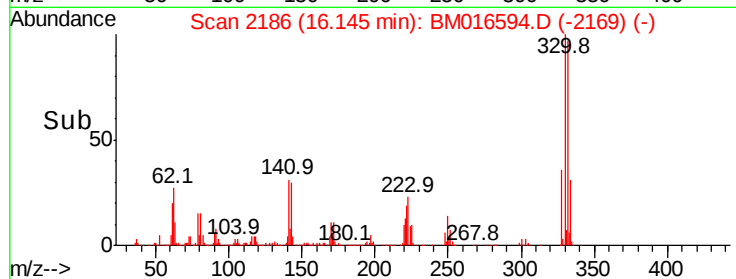
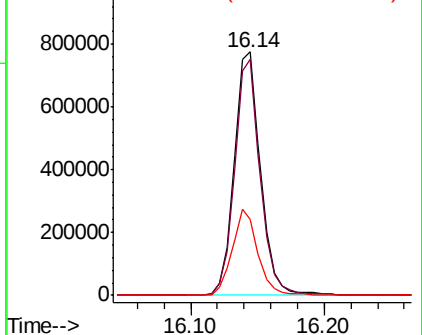
#41  
 2,4,6-Tribromophenol  
 Concen: 125.282 ng  
 RT: 16.14 min Scan# 2186  
 Delta R.T. -0.00 min  
 Lab File: BM016594.D  
 Acq: 24 Aug 2018 18:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VB27184

Tot Ion:330 Resp: 1062231  
 Ion Ratio Lower Upper  
 330 100  
 332 94.4 0.0 0.0#  
 141 34.5 0.0 0.0#

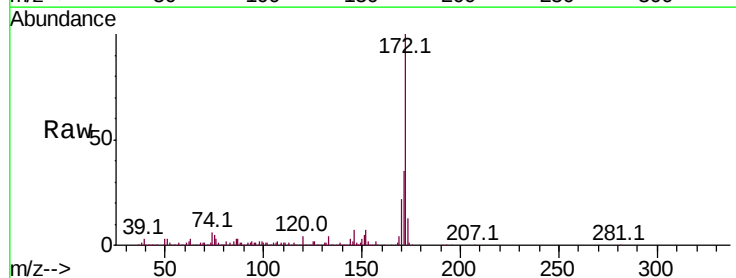


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

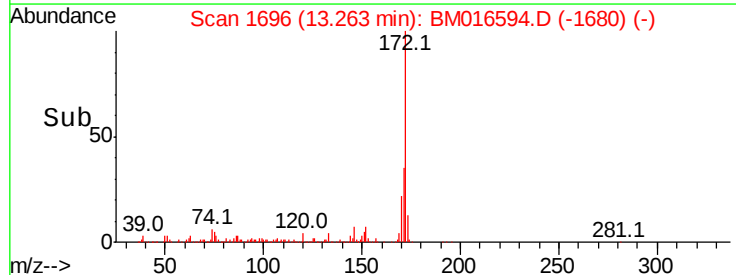
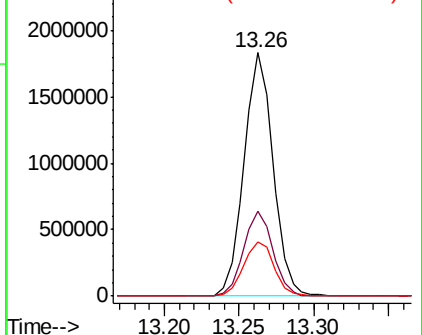


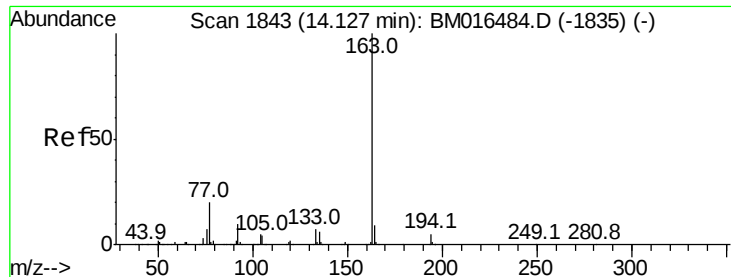
#44  
 2-Fluorobiphenyl  
 Concen: 77.897 ng  
 RT: 13.26 min Scan# 1696  
 Delta R.T. -0.01 min  
 Lab File: BM016594.D  
 Acq: 24 Aug 2018 18:39

Tgt Ion:172 Resp: 2457976  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.5 42.7  
 170 22.4 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

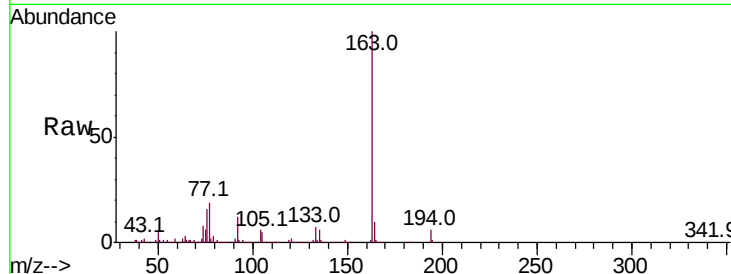




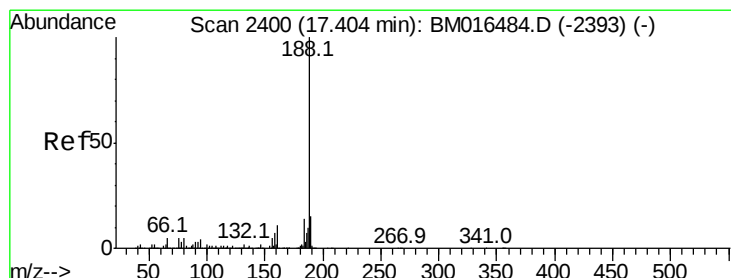
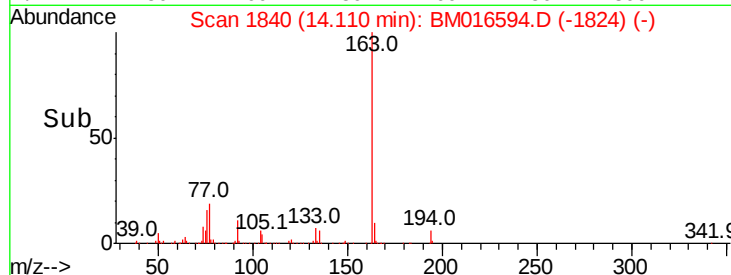
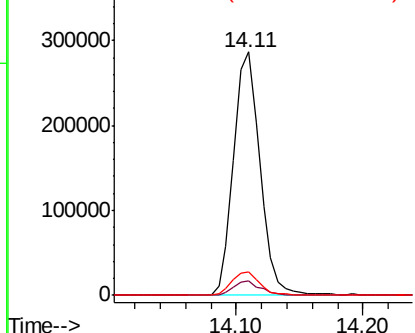
#49  
Dimethylphthalate  
Concen: 14.247 ng  
RT: 14.11 min Scan# 1840  
Delta R.T. -0.01 min  
Lab File: BM016594.D  
Acq: 24 Aug 2018 18:39

Instrument :  
BNA\_M  
ClientSampleId :  
VB27184

Tot Ion:163 Resp: 415143  
Ion Ratio Lower Upper  
163 100  
194 6.0 2.7 4.1#  
164 9.9 8.2 12.2

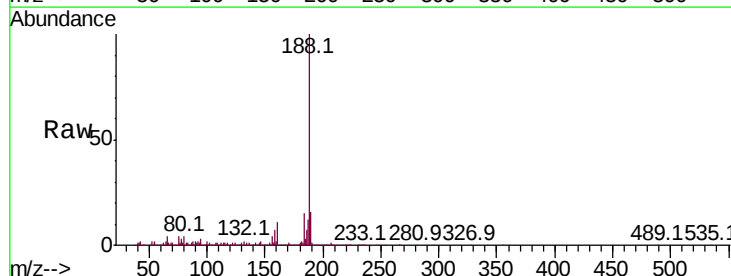


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

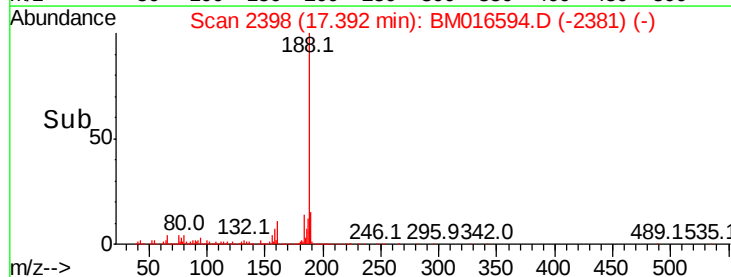
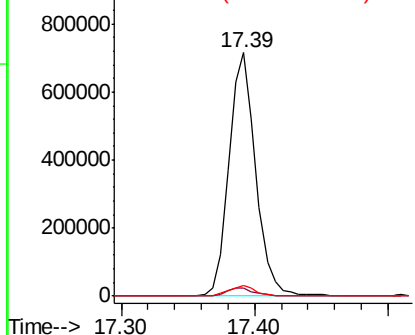


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2398  
Delta R.T. -0.00 min  
Lab File: BM016594.D  
Acq: 24 Aug 2018 18:39

Tgt Ion:188 Resp: 1000231  
Ion Ratio Lower Upper  
188 100  
94 3.2 8.7 13.1#  
80 4.2 9.3 13.9#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM016594.D

Acq: 24 Aug 2018 18:39

Instrument :

BNA\_M

ClientSampled :

VB27184

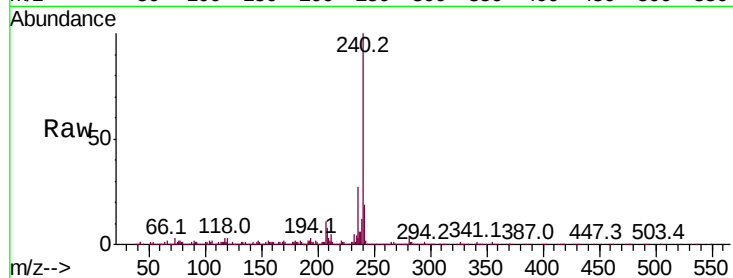
Tot Ion:240 Resp: 1301261

Ion Ratio Lower Upper

240 100

120 2.8 8.2 12.2#

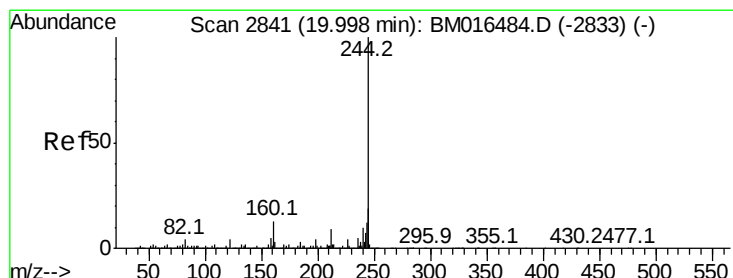
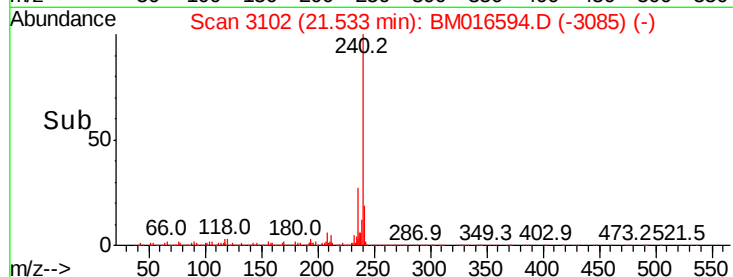
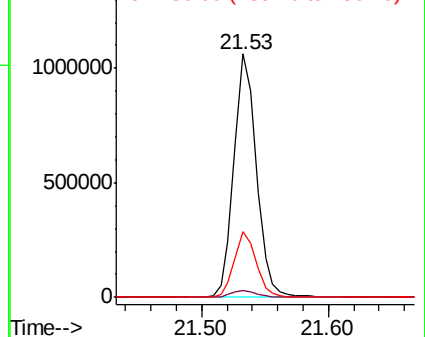
236 27.2 20.0 30.0



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: 91.745 ng

RT: 19.98 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BM016594.D

Acq: 24 Aug 2018 18:39

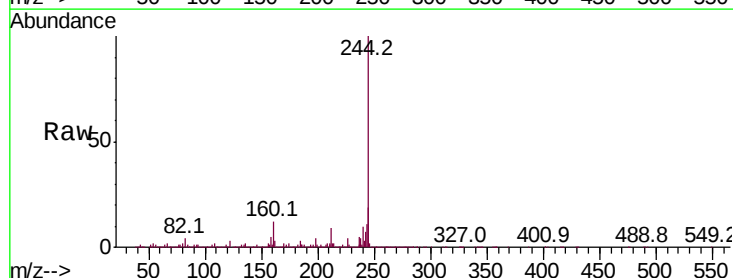
Tgt Ion:244 Resp: 5640436

Ion Ratio Lower Upper

244 100

212 9.0 4.9 7.3#

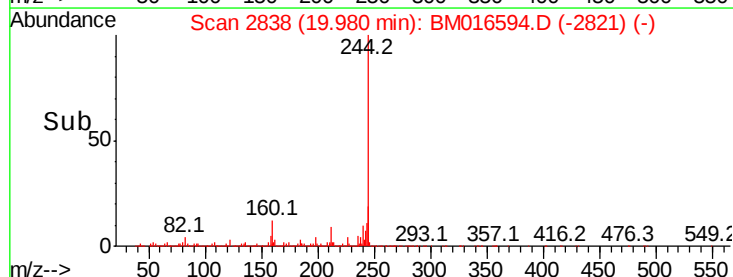
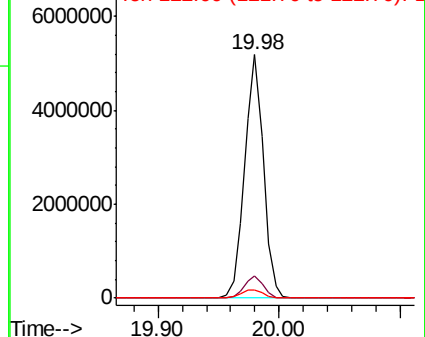
122 3.5 6.2 9.4#

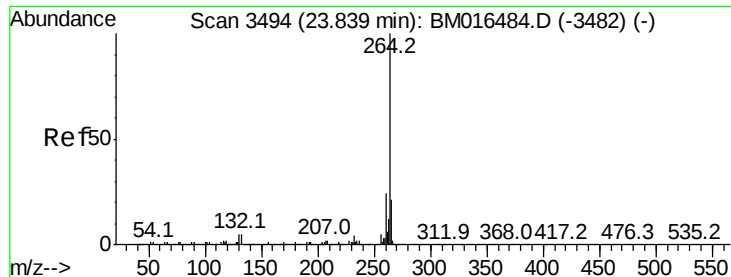


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 23.81 min Scan# 3490  
 Delta R.T. -0.00 min  
 Lab File: BM016594.D  
 Acq: 24 Aug 2018 18:39

Instrument :  
 BNA\_M  
 ClientSampleId :  
 VB27184

Tot Ion:264 Resp: 1427313  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 27.8  |
| 265 | 22.0  | 17.3  | 25.9  |

