

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM081318\  
 Data File : BM016323.D  
 Acq On : 13 Aug 2018 13:22  
 Operator : SJ/JU  
 Sample : J4272-16RE  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-080918-HRE

Quant Time: Aug 14 04:20:32 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 10 18:44:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 23827    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.94 | 136  | 78102    | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 36771    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.49 | 188  | 73611    | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.63 | 240  | 90736    | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.96 | 264  | 102172   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 221214   | 154.22 | ng    | 0.00     |
| 7) Phenol-d6                | 7.30  | 99   | 219867   | 117.37 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 226568   | 134.93 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 76786    | 164.64 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 402126   | 133.06 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.07 | 244  | 619451   | 142.91 | ng    | -0.01    |

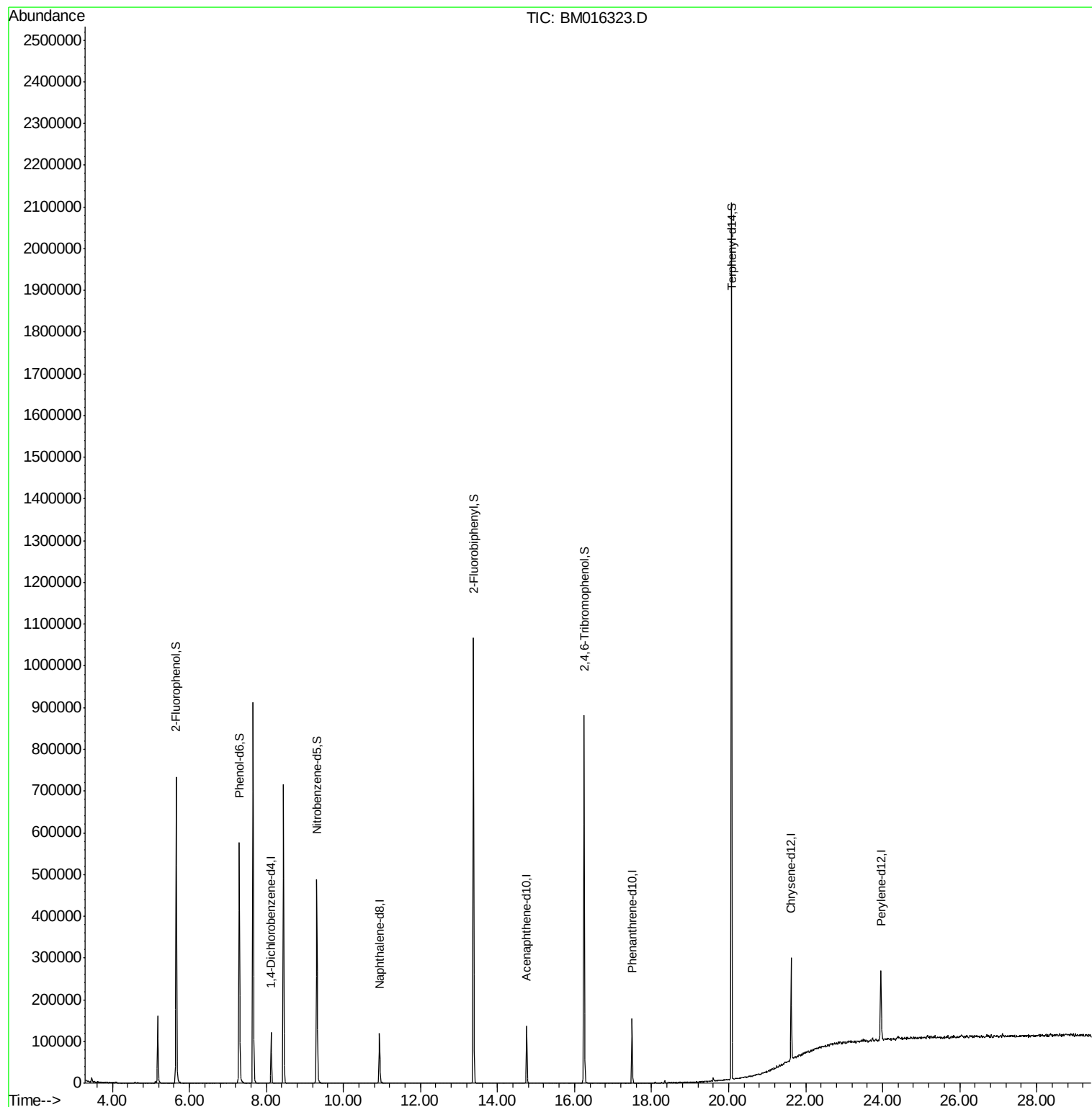
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

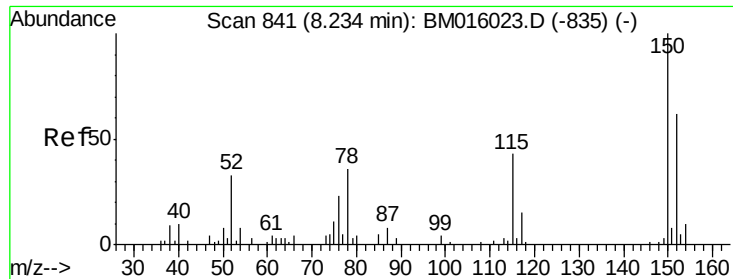
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 7 Sample Multiplier: 1

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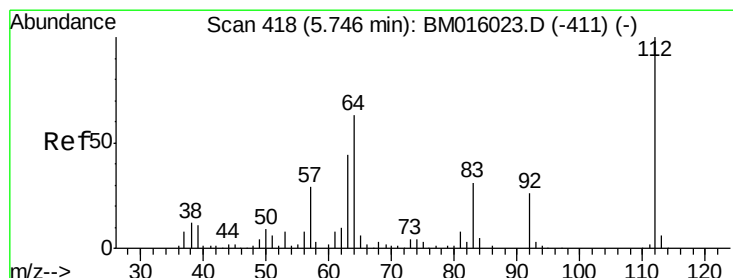
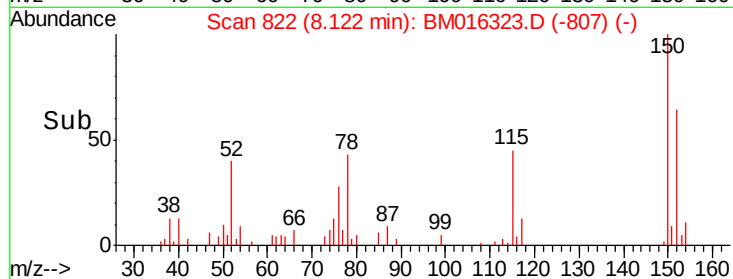
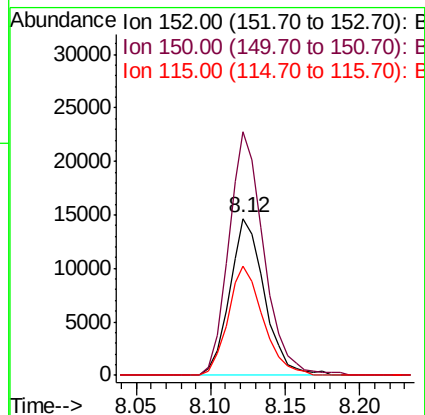
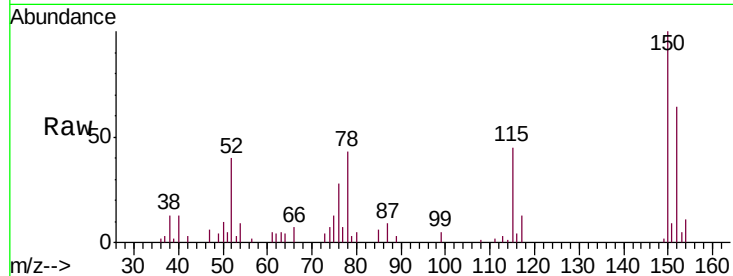


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.12 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-080918-HRE

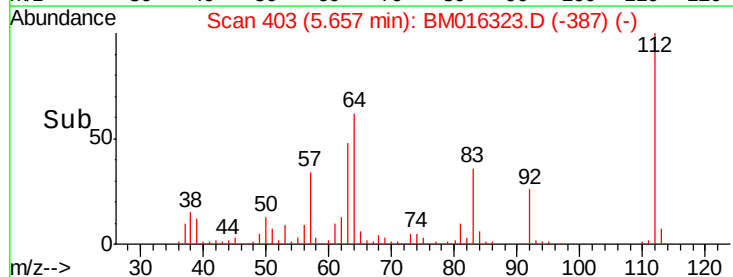
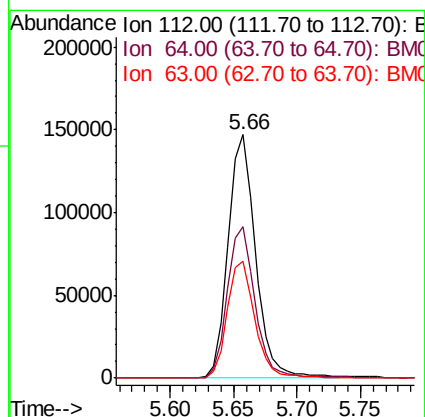
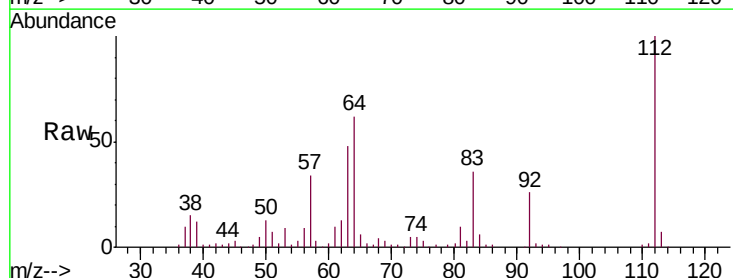
Tgt Ion:152 Resp: 23827  
 Ion Ratio Lower Upper  
 152 100  
 150 155.5 119.5 179.3  
 115 70.0 43.0 64.4#

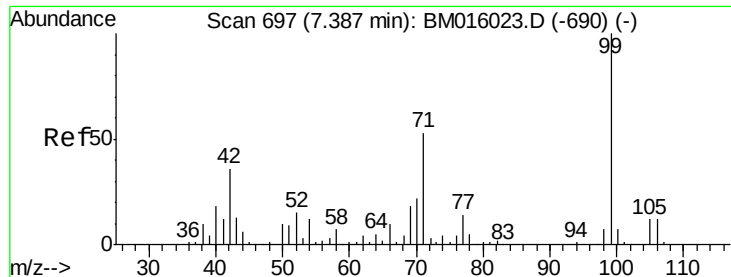


#5

2-Fluorophenol  
 Concen: Below ng  
 RT: 5.66 min Scan# 403  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Tgt Ion:112 Resp: 221214  
 Ion Ratio Lower Upper  
 112 100  
 64 62.1 38.6 57.8#  
 63 48.0 19.3 28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM016323.D

Acq: 13 Aug 2018 13:22

Instrument :

BNA\_M

ClientSampleId :

JC-03-080918-HRE

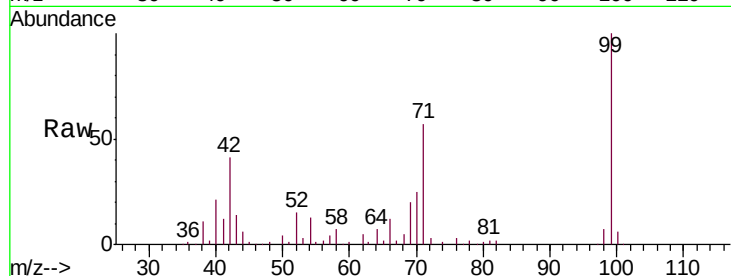
Tgt Ion: 99 Resp: 219867

Ion Ratio Lower Upper

99 100

42 40.9 11.0 16.4#

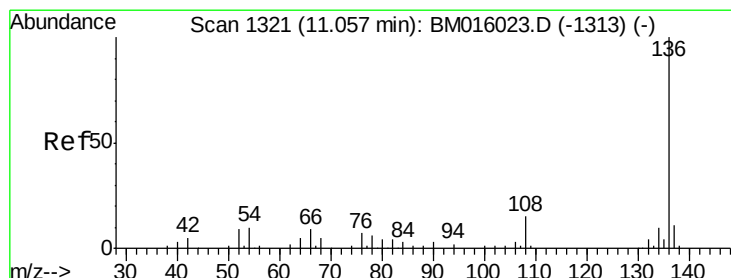
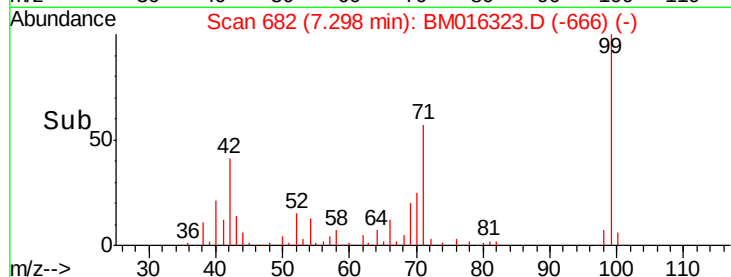
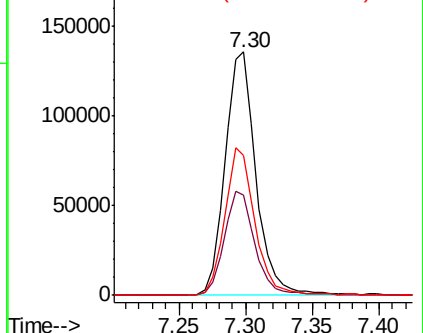
71 57.5 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016323.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016323.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016323.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.94 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BM016323.D

Acq: 13 Aug 2018 13:22

Tgt Ion: 136 Resp: 78102

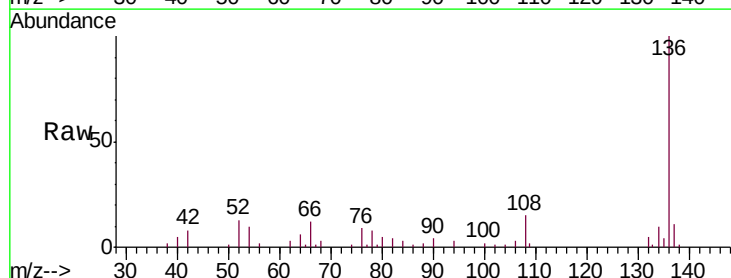
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 10.3 4.6 6.8#

68 3.1 3.7 5.5#

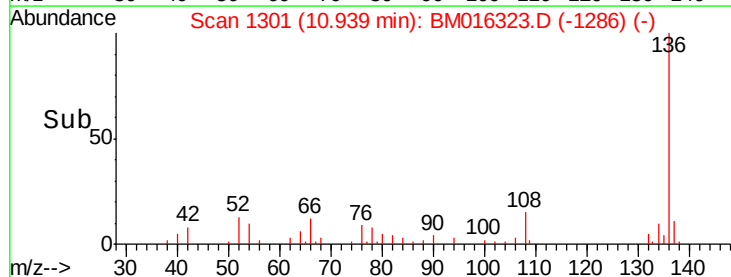
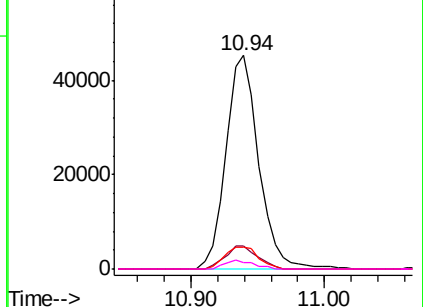


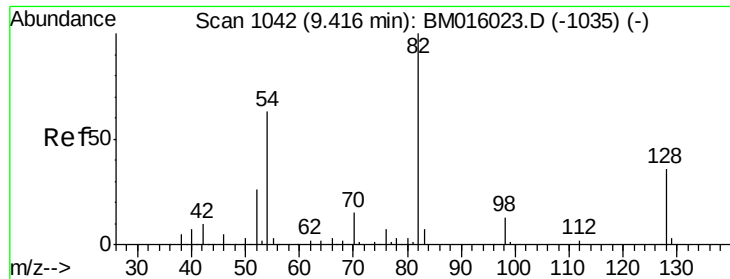
Abundance Ion 136.00 (135.70 to 136.70): BM016323.D (-1286) (-)

Ion 137.00 (136.70 to 137.70): BM016323.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BM016323.D (-1286) (-)

Ion 68.00 (67.70 to 68.70): BM016323.D (-1286) (-)

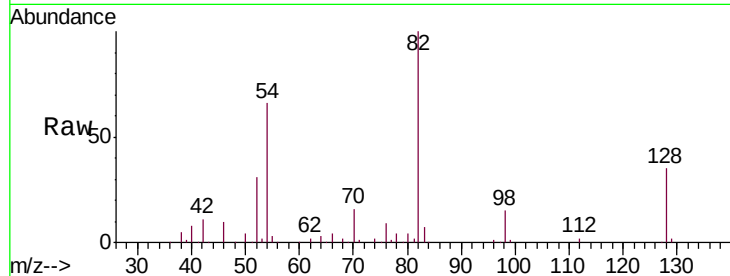




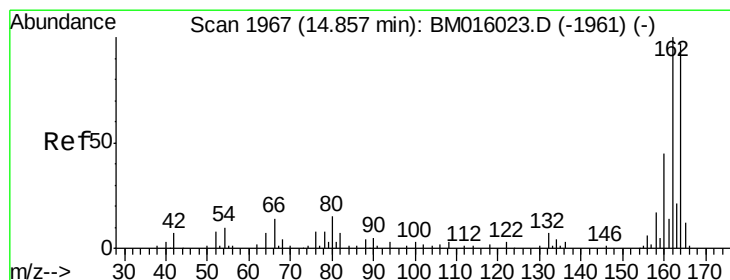
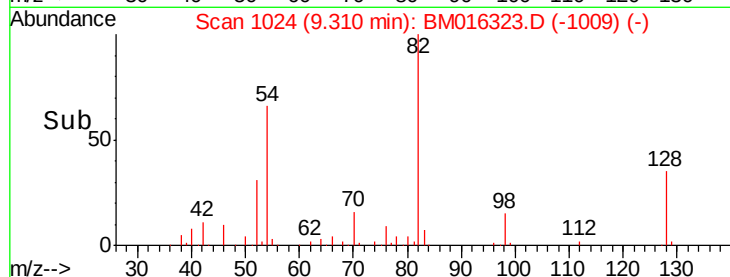
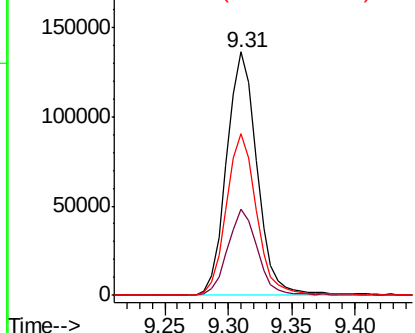
#23  
 Nitrobenzene-d5  
 Concen: N.D. ng  
 RT: 9.31 min Scan# 1024  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Instrument :  
 BNA\_M  
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 JC-03-080918-HRE

Tgt Ion: 82 Resp: 226568  
 Ion Ratio Lower Upper  
 82 100  
 128 35.3 32.8 49.2  
 54 66.3 40.6 60.8#

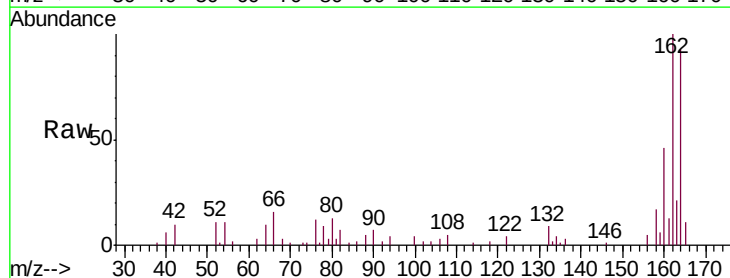


Abundance Ion 82.00 (81.70 to 82.70): BM016323.D (-1009) (-)  
 Ion 128.00 (127.70 to 128.70): BM016323.D (-1009) (-)  
 Ion 54.00 (53.70 to 54.70): BM016323.D (-1009) (-)

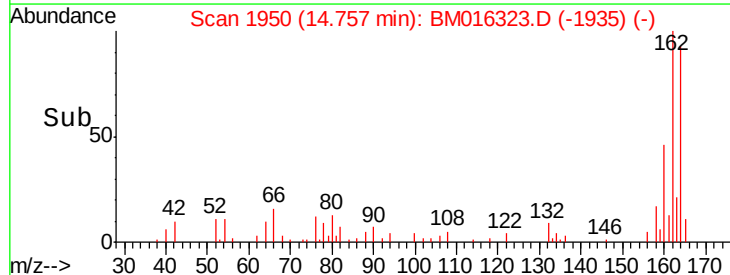
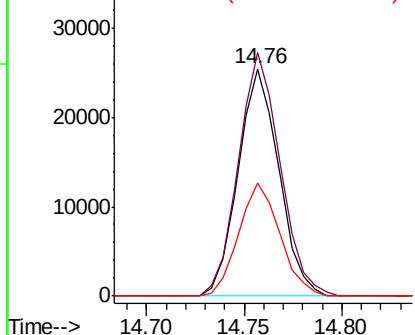


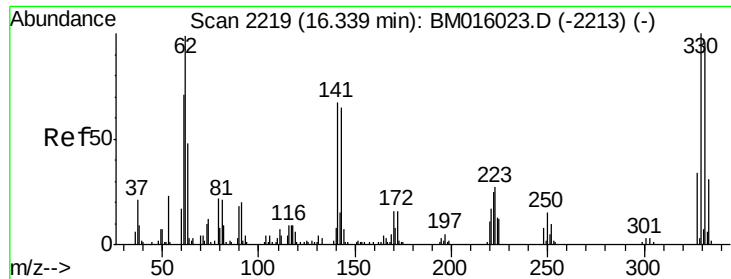
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Tgt Ion: 164 Resp: 36771  
 Ion Ratio Lower Upper  
 164 100  
 162 107.0 82.4 123.6  
 160 49.5 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BM016323.D (-1935) (-)  
 Ion 162.00 (161.70 to 162.70): BM016323.D (-1935) (-)  
 Ion 160.00 (159.70 to 160.70): BM016323.D (-1935) (-)

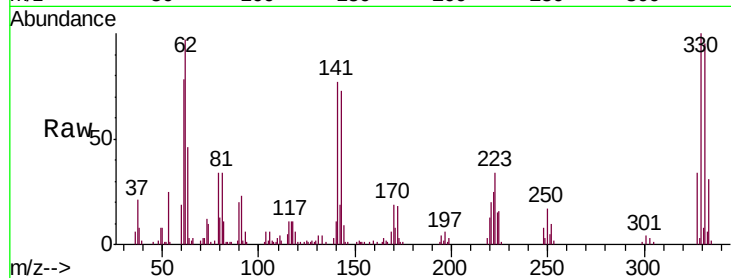




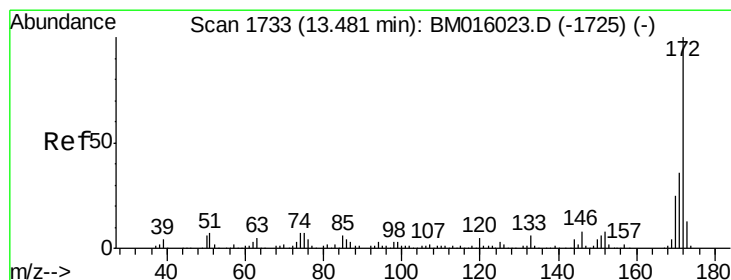
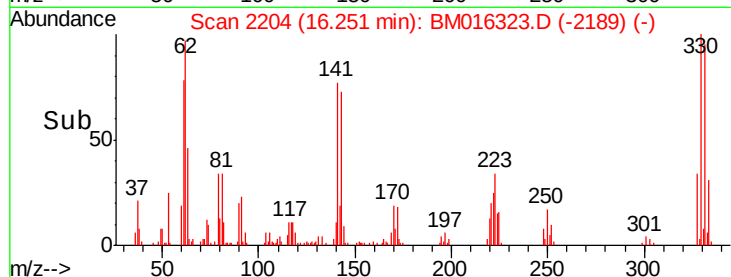
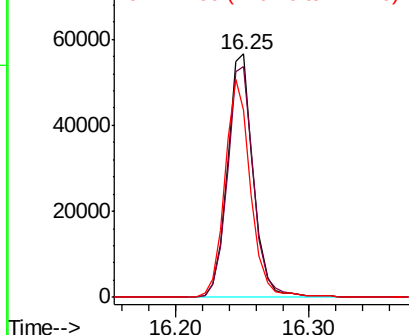
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.25 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-080918-HRE

Tgt Ion: 330 Resp: 76786  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 0.0 0.0#  
 141 89.4 0.0 0.0#

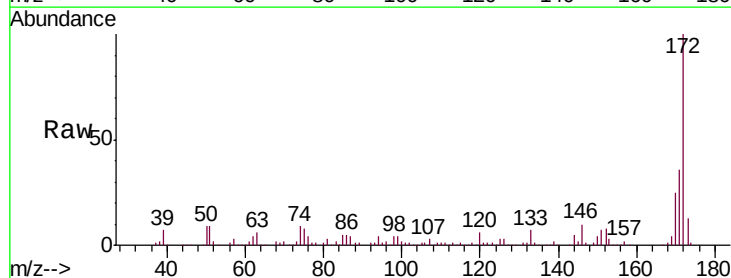


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

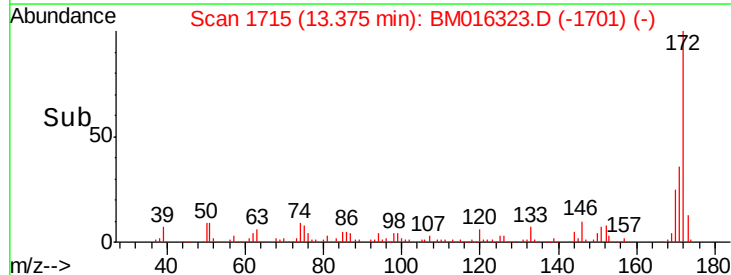
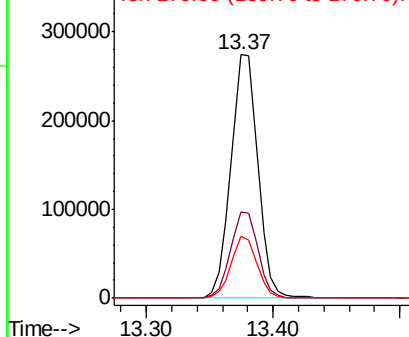


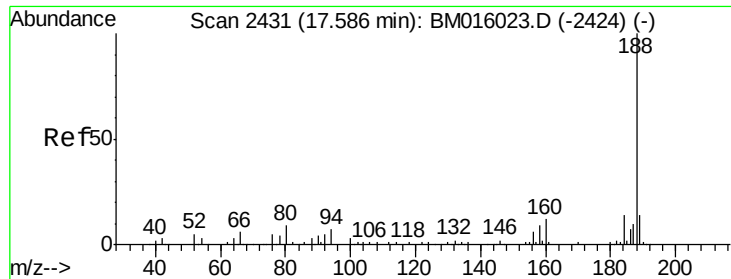
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.37 min Scan# 1715  
 Delta R.T. -0.02 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Tgt Ion: 172 Resp: 402126  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.5 42.7  
 170 25.2 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

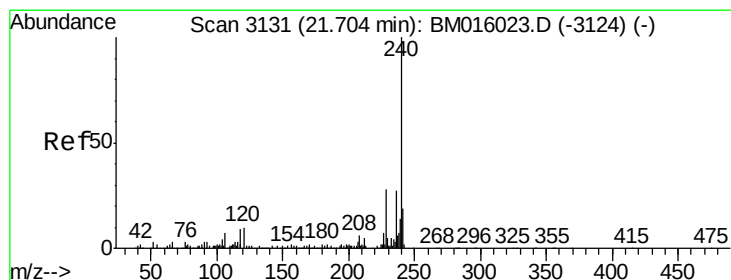
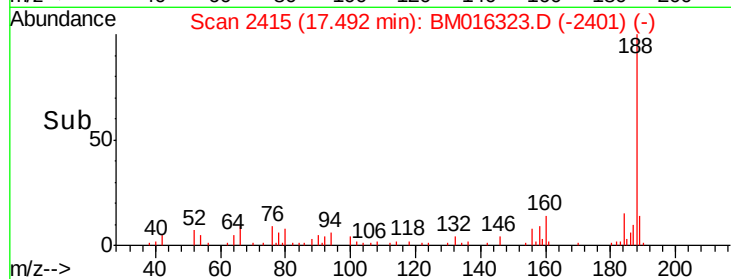
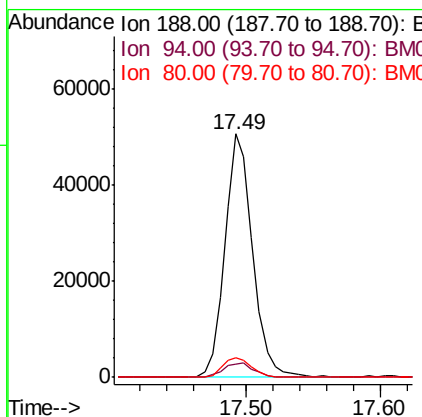
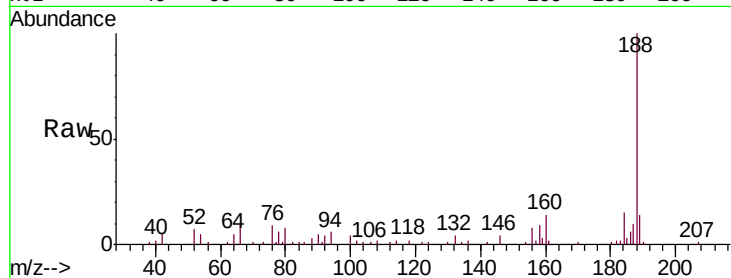




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.49 min Scan# 2415  
Delta R.T. -0.02 min  
Lab File: BM016323.D  
Acq: 13 Aug 2018 13:22

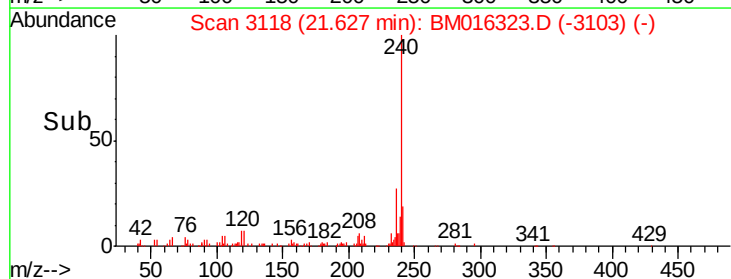
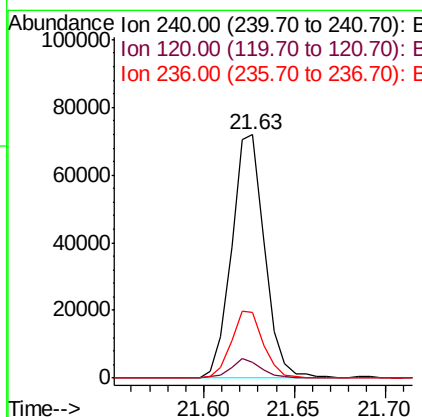
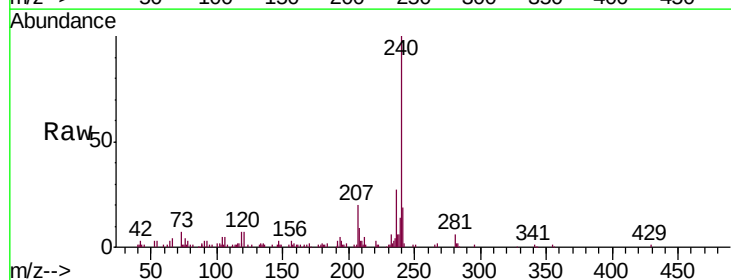
Instrument :  
BNA\_M  
ClientSampleId :  
JC-03-080918-HRE

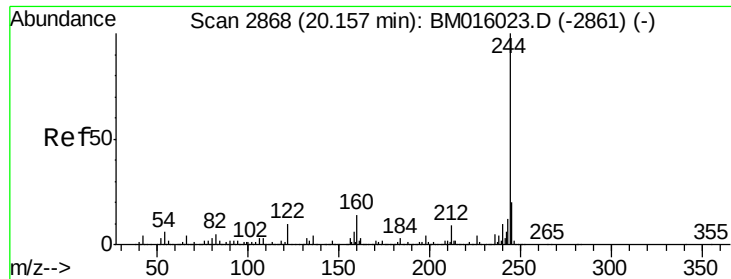
Tgt Ion:188 Resp: 73611  
Ion Ratio Lower Upper  
188 100  
94 5.6 8.7 13.1#  
80 8.1 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.63 min Scan# 3118  
Delta R.T. -0.01 min  
Lab File: BM016323.D  
Acq: 13 Aug 2018 13:22

Tgt Ion:240 Resp: 90736  
Ion Ratio Lower Upper  
240 100  
120 6.6 8.2 12.2#  
236 26.9 20.0 30.0

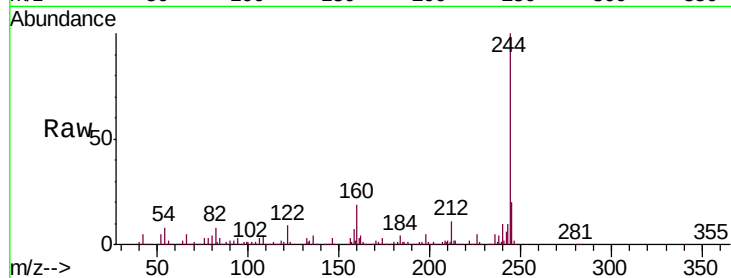




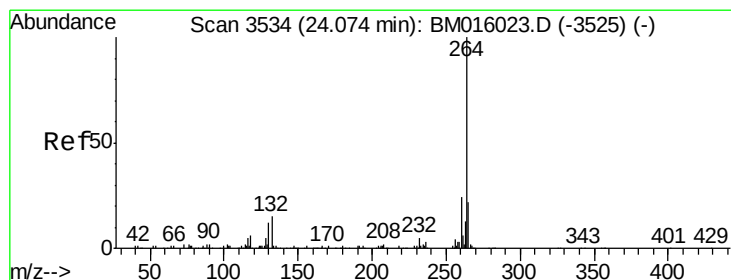
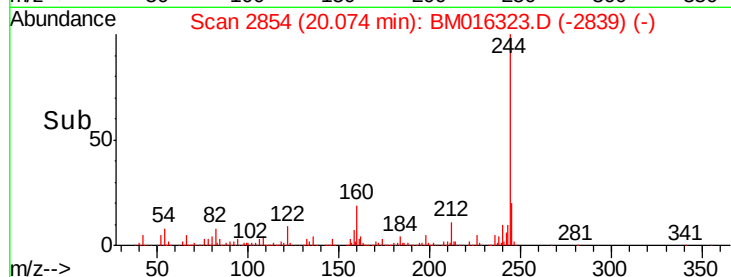
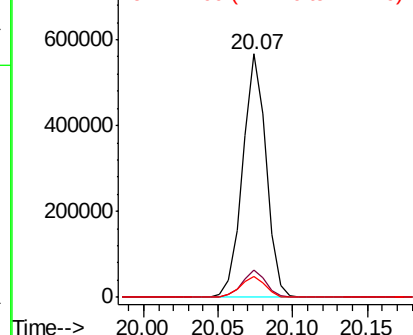
#78  
 Terphenyl-d14  
 Concen: N.D. ng  
 RT: 20.07 min Scan# 2854  
 Delta R.T. -0.01 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

Instrument :  
 BNA\_M  
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 JC-03-080918-HRE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 11.2  | 4.9   | 7.3#  |
| 122     | 8.8   | 6.2   | 9.4   |

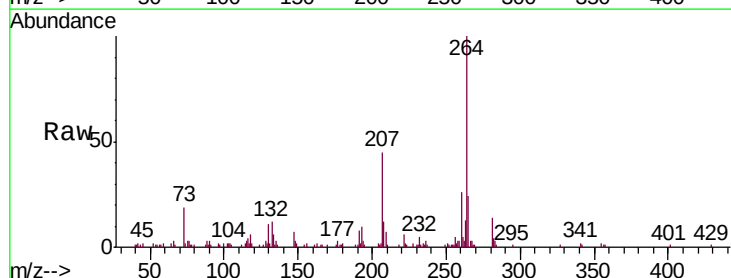


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.96 min Scan# 3514  
 Delta R.T. -0.02 min  
 Lab File: BM016323.D  
 Acq: 13 Aug 2018 13:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.8  | 18.6  | 27.8  |
| 265     | 23.9  | 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

