

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\  
 Data File : BM016195.D  
 Acq On : 06 Aug 2018 17:30  
 Operator : SJ/JU  
 Sample : PB111777BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111777BL

Quant Time: Aug 07 02:07:42 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 23 16:08:38 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.18  | 152  | 29945    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 10.99 | 136  | 109548   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 14.80 | 164  | 54627    | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 17.53 | 188  | 119535   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 21.66 | 240  | 129487   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 24.01 | 264  | 139027   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 250203   | 138.79 | ng    | -0.05    |
| 7) Phenol-d6                | 7.33  | 99   | 302123   | 128.33 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 9.36  | 82   | 217898   | 92.51  | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 89993    | 129.89 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 410991   | 91.54  | ng    | -0.06    |
| 78) Terphenyl-d14           | 20.12 | 244  | 656389   | 106.11 | ng    | -0.04    |

Target Compounds Qvalue

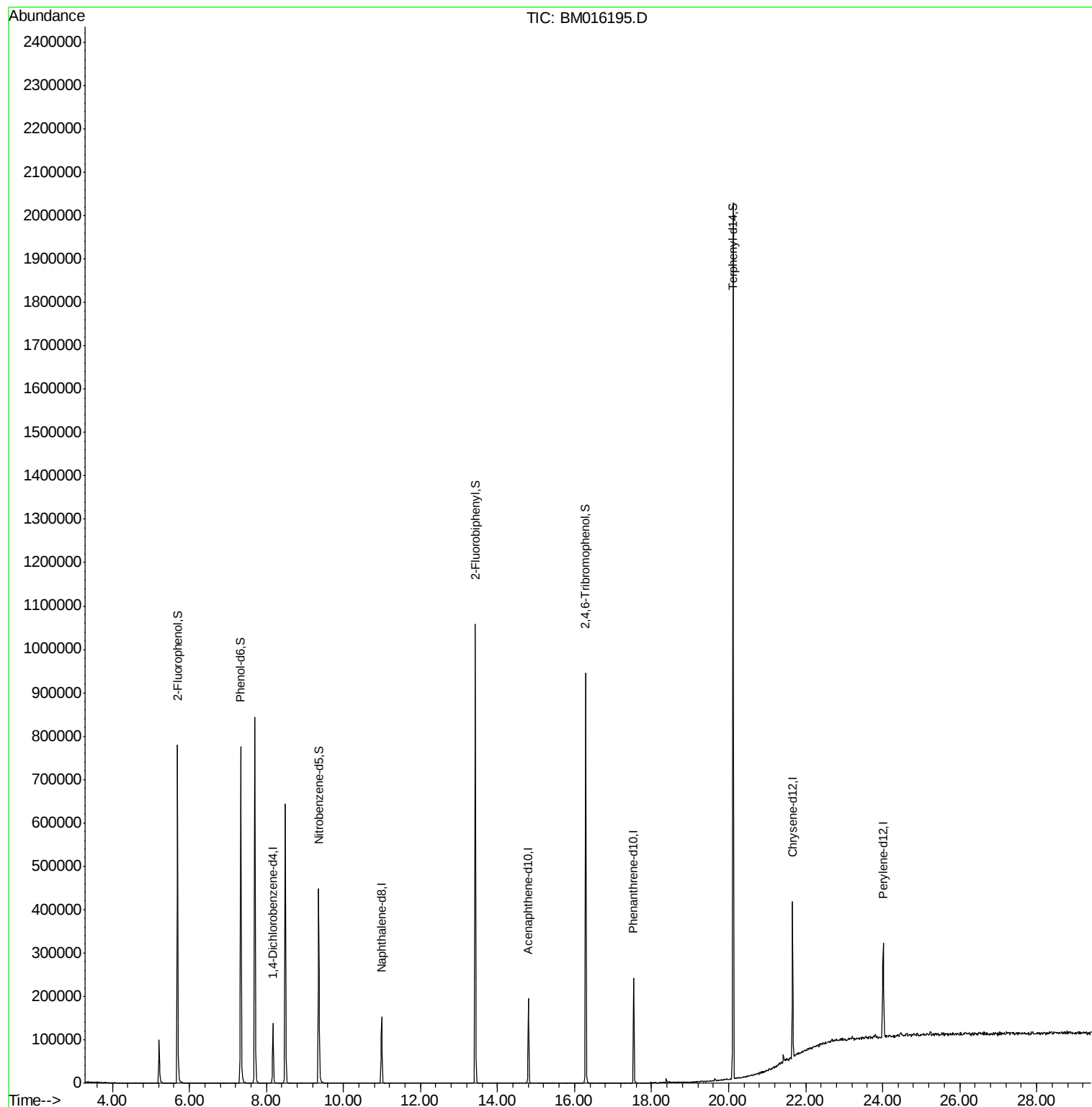
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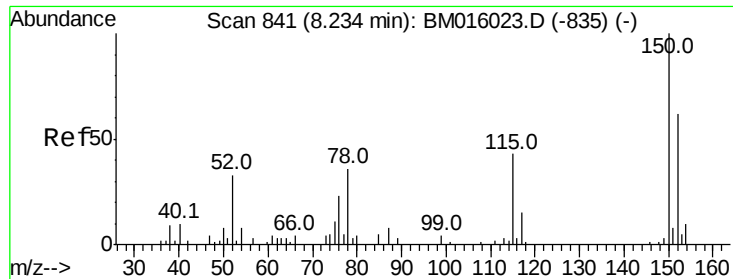
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jul 23 16:08:38 2018  
Response via : Initial Calibration



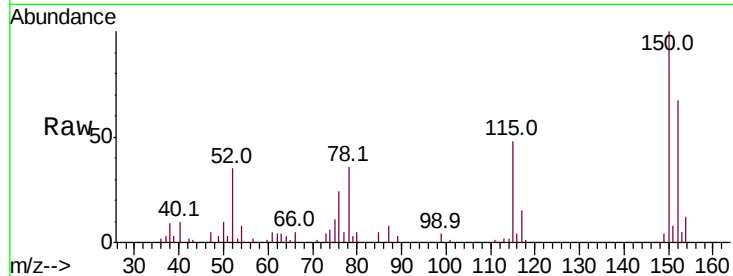


#1

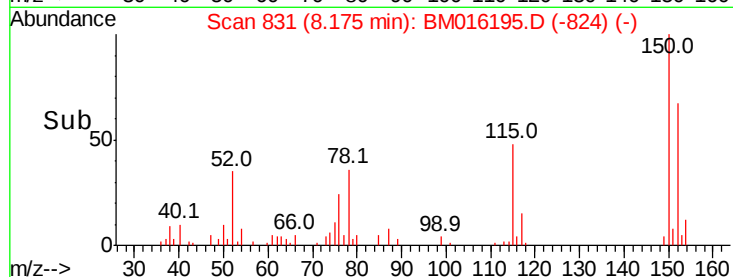
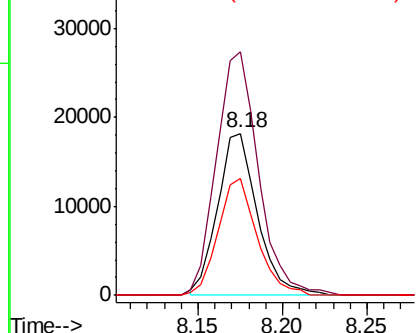
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.18 min Scan# 831  
 Delta R.T. -0.06 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111777BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.0 | 119.5 | 179.3 |
| 115     | 72.2  | 43.0  | 64.4# |



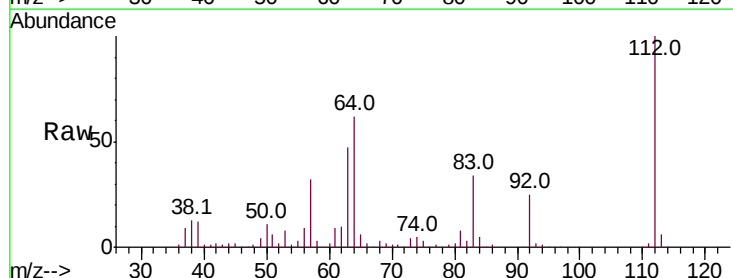
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



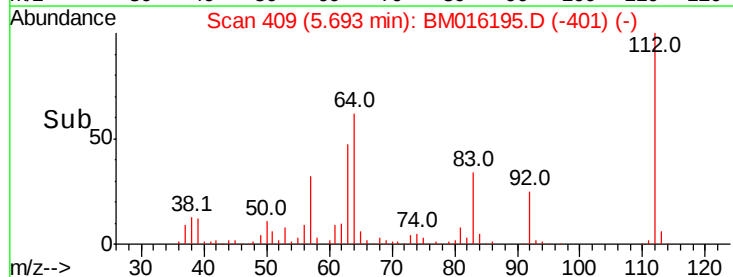
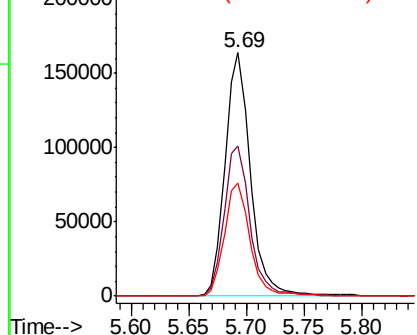
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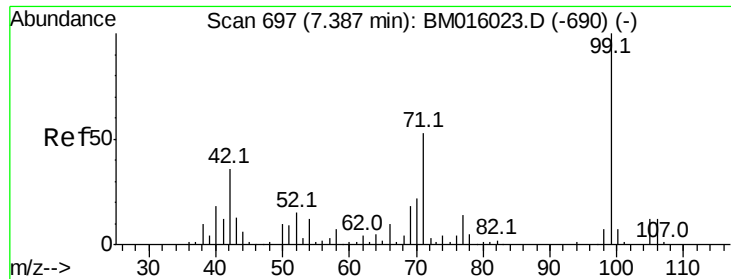
2-Fluorophenol  
 Concen: N.D. ng  
 RT: 5.69 min Scan# 409  
 Delta R.T. -0.05 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.8  | 38.6  | 57.8# |
| 63      | 46.6  | 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: N.D. ng

RT: 7.33 min Scan# 688

Delta R.T. -0.05 min

Lab File: BM016195.D

Acq: 06 Aug 2018 17:30

Instrument :

BNA\_M

ClientSampleId :

PB111777BL

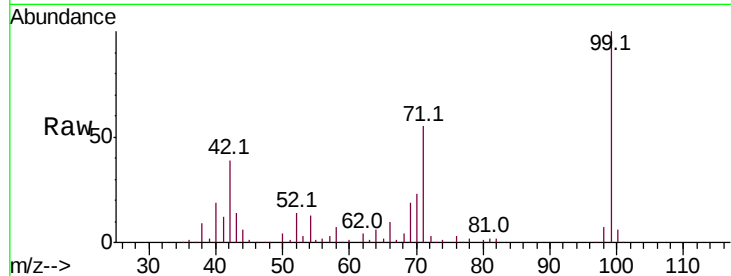
Tot Ion: 99 Resp: 302123

Ion Ratio Lower Upper

99 100

42 38.6 11.0 16.4#

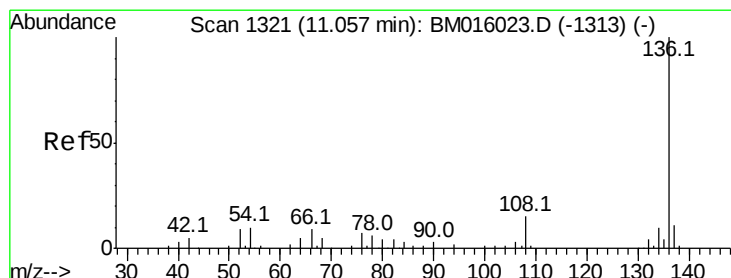
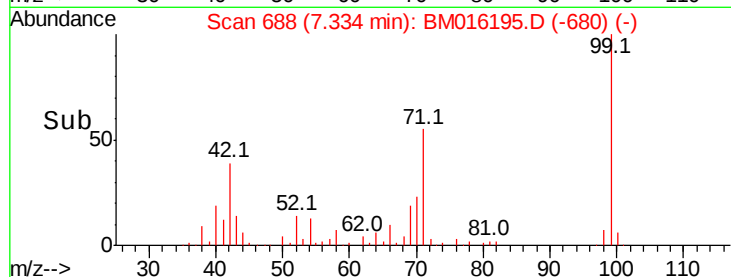
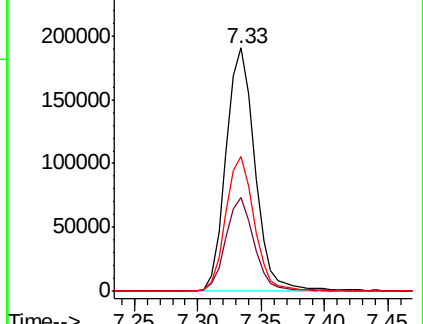
71 55.3 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016195.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016195.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016195.D (-680) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1310

Delta R.T. -0.06 min

Lab File: BM016195.D

Acq: 06 Aug 2018 17:30

Tgt Ion: 136 Resp: 109548

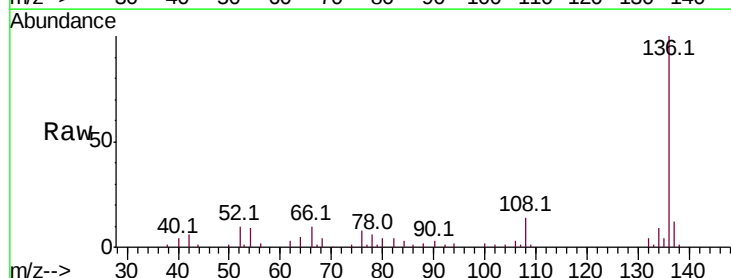
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 9.5 4.6 6.8#

68 4.0 3.7 5.5

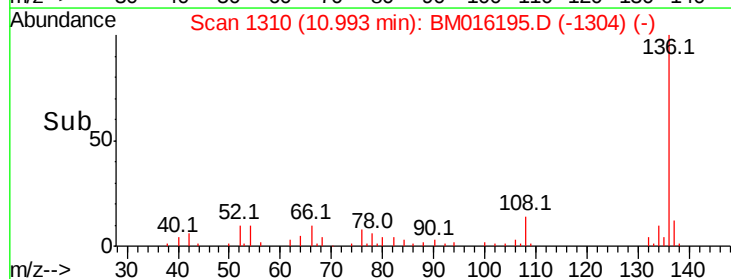
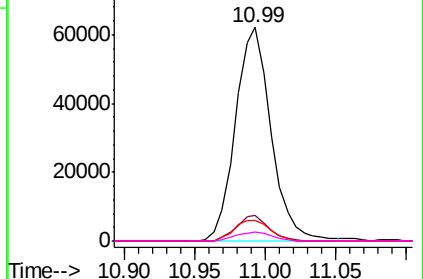


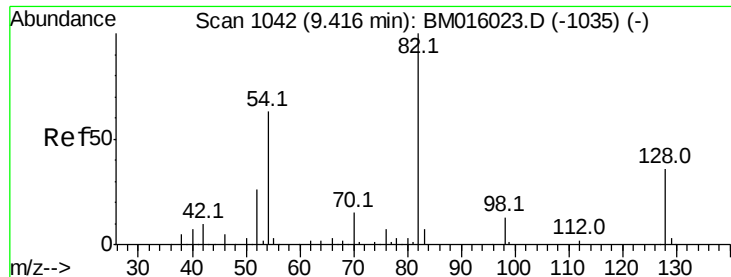
Abundance Ion 136.00 (135.70 to 136.70): BM016195.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016195.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016195.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016195.D (-1304) (-)

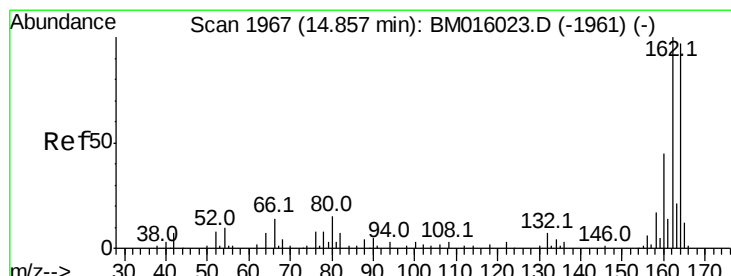
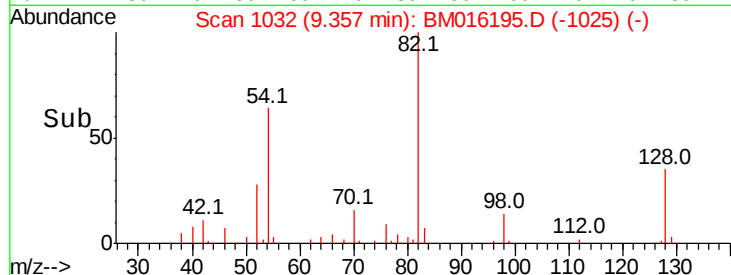
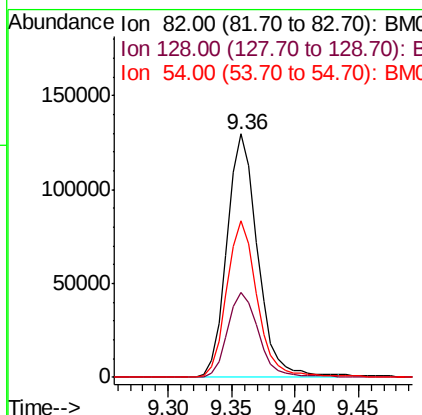
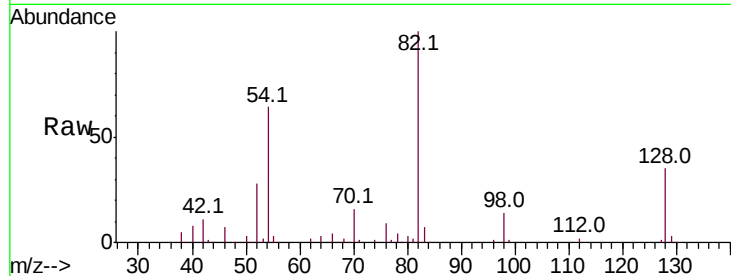




#23  
Nitrobenzene-d5  
Concen: N.D. ng  
RT: 9.36 min Scan# 1032  
Delta R.T. -0.06 min  
Lab File: BM016195.D  
Acq: 06 Aug 2018 17:30

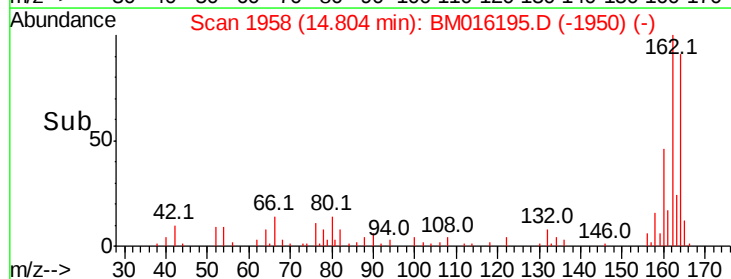
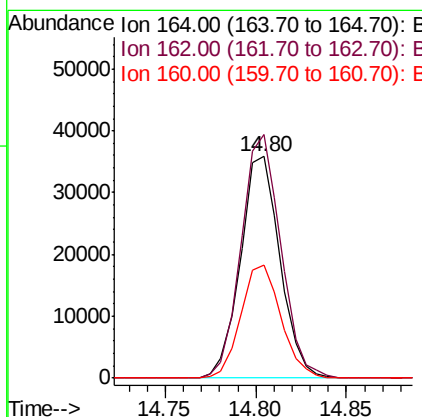
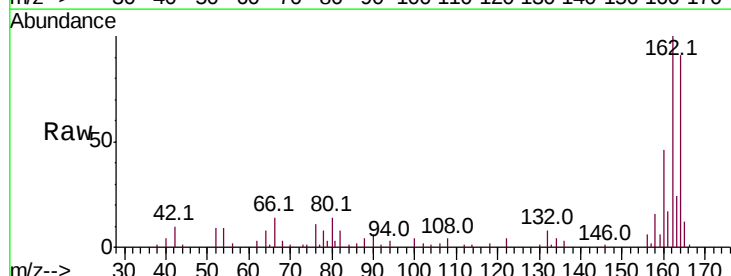
Instrument :  
BNA\_M  
ClientSampleId :  
PB111777BL

Tot Ion: 82 Resp: 217898  
Ion Ratio Lower Upper  
82 100  
128 34.7 32.8 49.2  
54 64.1 40.6 60.8#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1958  
Delta R.T. -0.05 min  
Lab File: BM016195.D  
Acq: 06 Aug 2018 17:30

Tgt Ion: 164 Resp: 54627  
Ion Ratio Lower Upper  
164 100  
162 109.9 82.4 123.6  
160 50.8 35.8 53.6

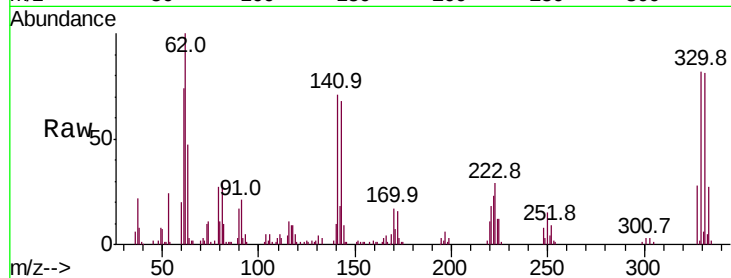




#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.29 min Scan# 2210  
 Delta R.T. -0.05 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111777BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.1  | 0.0   | 0.0#  |
| 141     | 82.0  | 0.0   | 0.0#  |

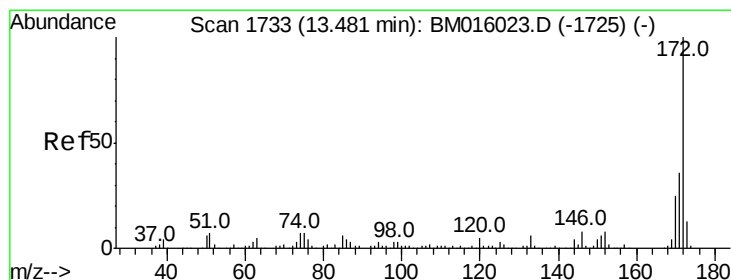
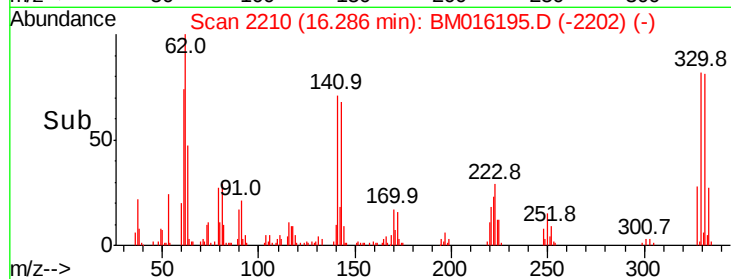
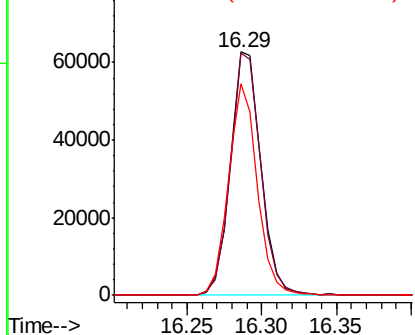


Abundance

Ion 329.80 (329.50 to 330.50): E

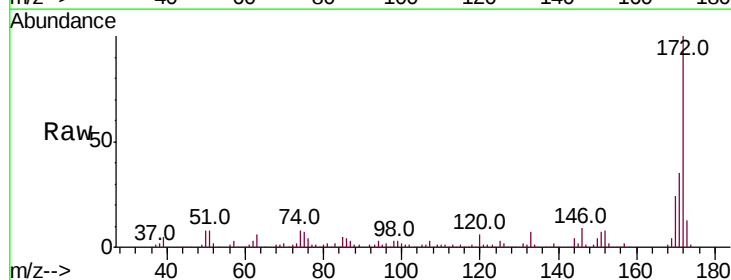
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.42 min Scan# 1723  
 Delta R.T. -0.06 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 28.5  | 42.7  |
| 170     | 24.2  | 18.8  | 28.2  |

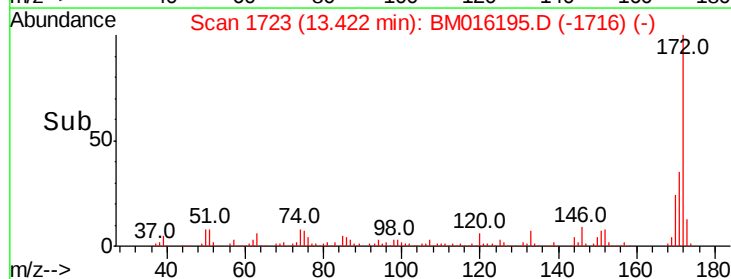
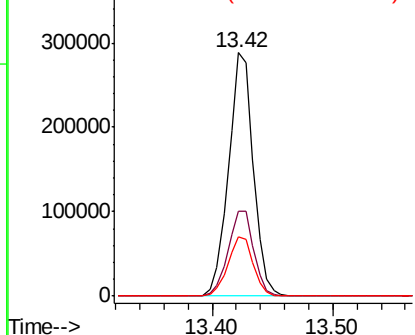


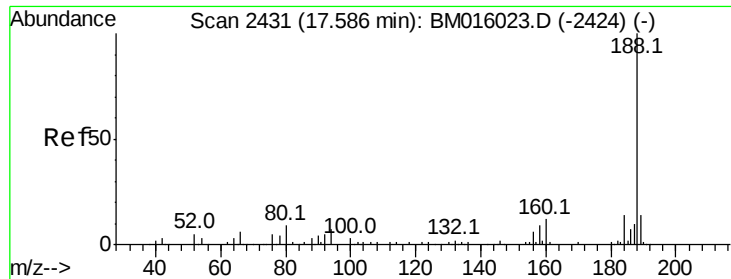
Abundance

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

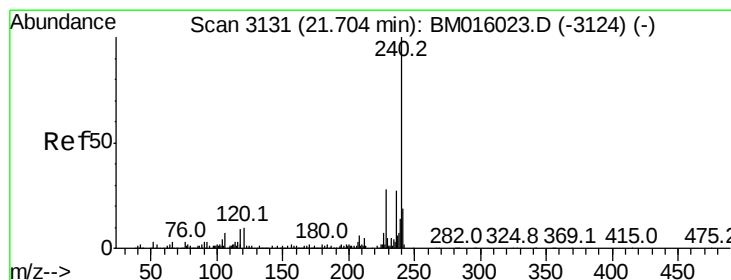
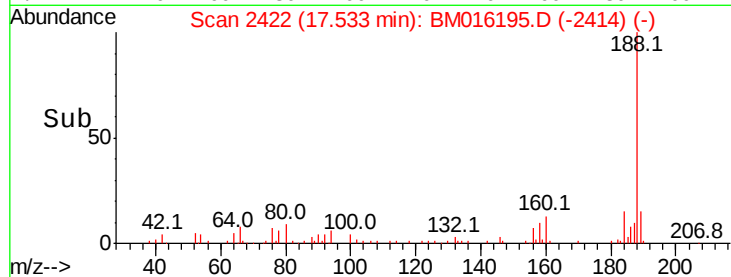
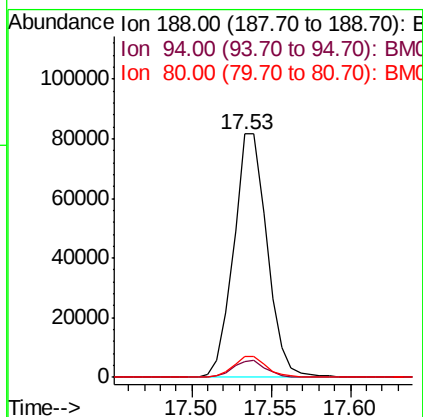
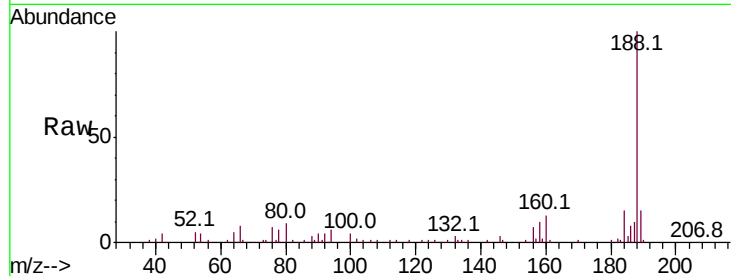




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.53 min Scan# 2422  
Delta R.T. -0.05 min  
Lab File: BM016195.D  
Acq: 06 Aug 2018 17:30

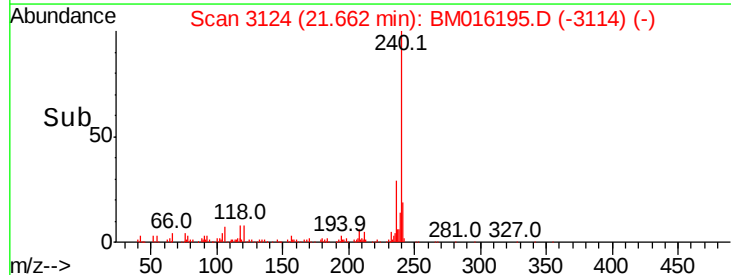
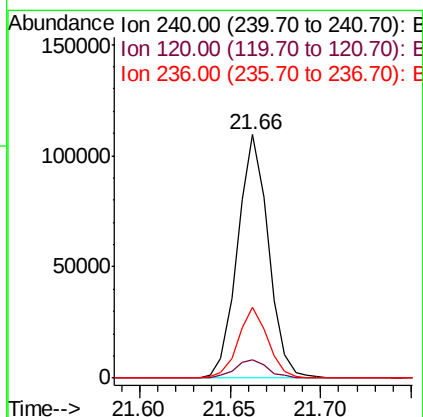
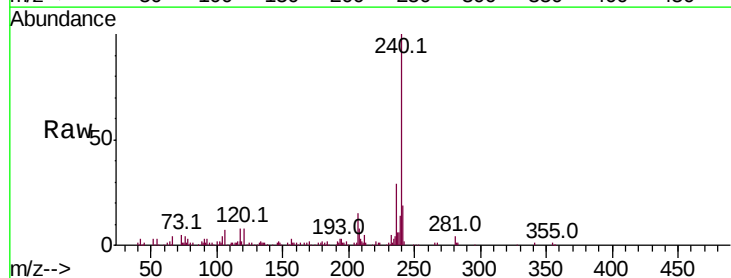
Instrument :  
BNA\_M  
ClientSampleId :  
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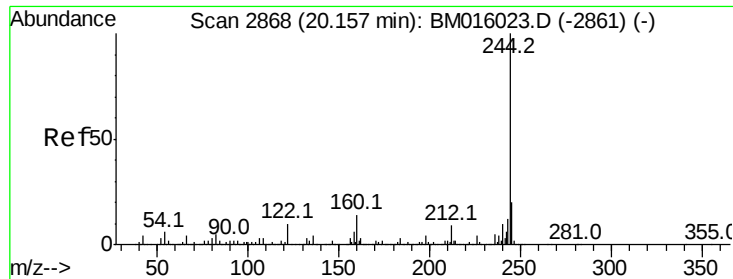
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 8.7   | 13.1# |
| 80      | 8.8   | 9.3   | 13.9# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3124  
Delta R.T. -0.04 min  
Lab File: BM016195.D  
Acq: 06 Aug 2018 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 7.6   | 8.2   | 12.2# |
| 236     | 29.1  | 20.0  | 30.0  |

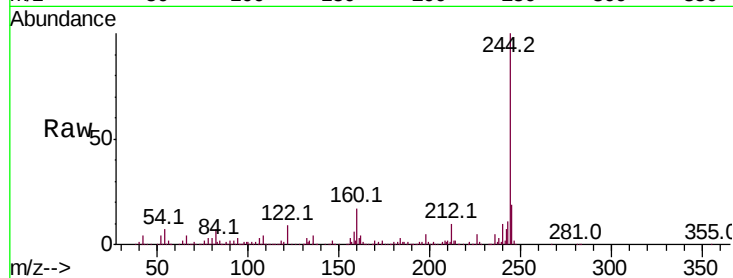




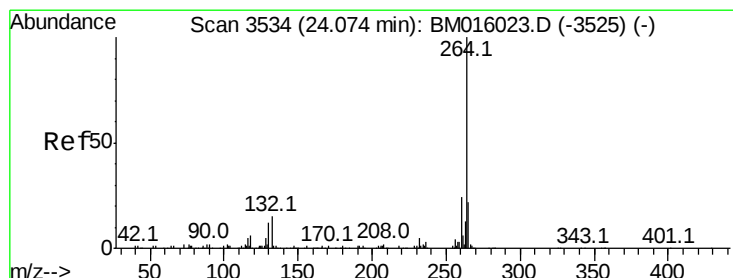
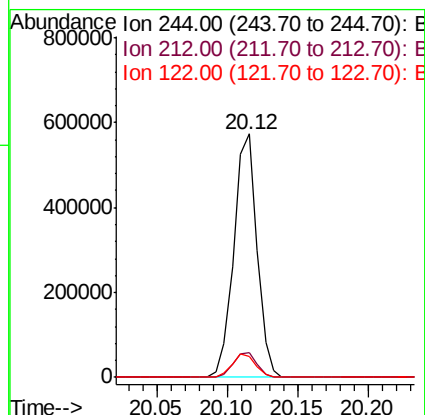
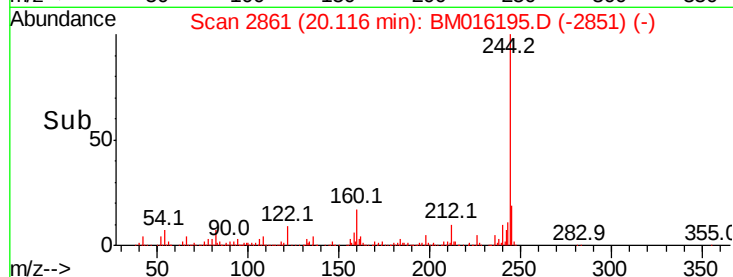
#78  
 Terphenyl-d14  
 Concen: Below na  
 RT: 20.12 min Scan# 2861  
 Delta R.T. -0.04 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB111777BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.3  | 4.9   | 7.3#  |
| 122     | 8.8   | 6.2   | 9.4   |

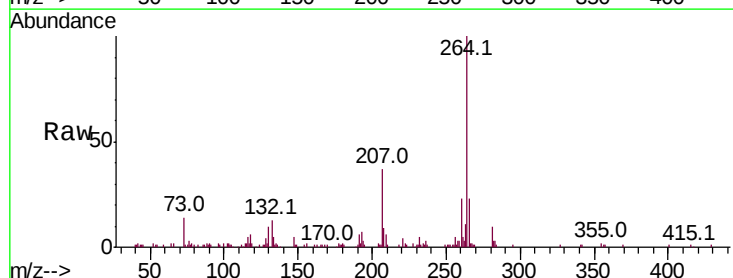


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.01 min Scan# 3523  
 Delta R.T. -0.06 min  
 Lab File: BM016195.D  
 Acq: 06 Aug 2018 17:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.6  | 27.8  |
| 265     | 23.1  | 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

