

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM082418\  
 Data File : BM016592.D  
 Acq On : 24 Aug 2018 17:27  
 Operator : SJ/JU  
 Sample : PB112017BL  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB112017BL

Quant Time: Aug 24 21:57:14 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  | 125729   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 401672   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.64 | 164  | 289821   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.39 | 188  | 928802   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.53 | 240  | 1113996  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.81 | 264  | 1261189  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 641032   | 99.91  | ng    | 0.00     |
| 7) Phenol-d6                | 7.18  | 99   | 779246   | 91.78  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 653358   | 74.27  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 869934   | 107.38 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.26 | 172  | 2228139  | 73.90  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 5319109  | 101.06 | ng    | 0.00     |

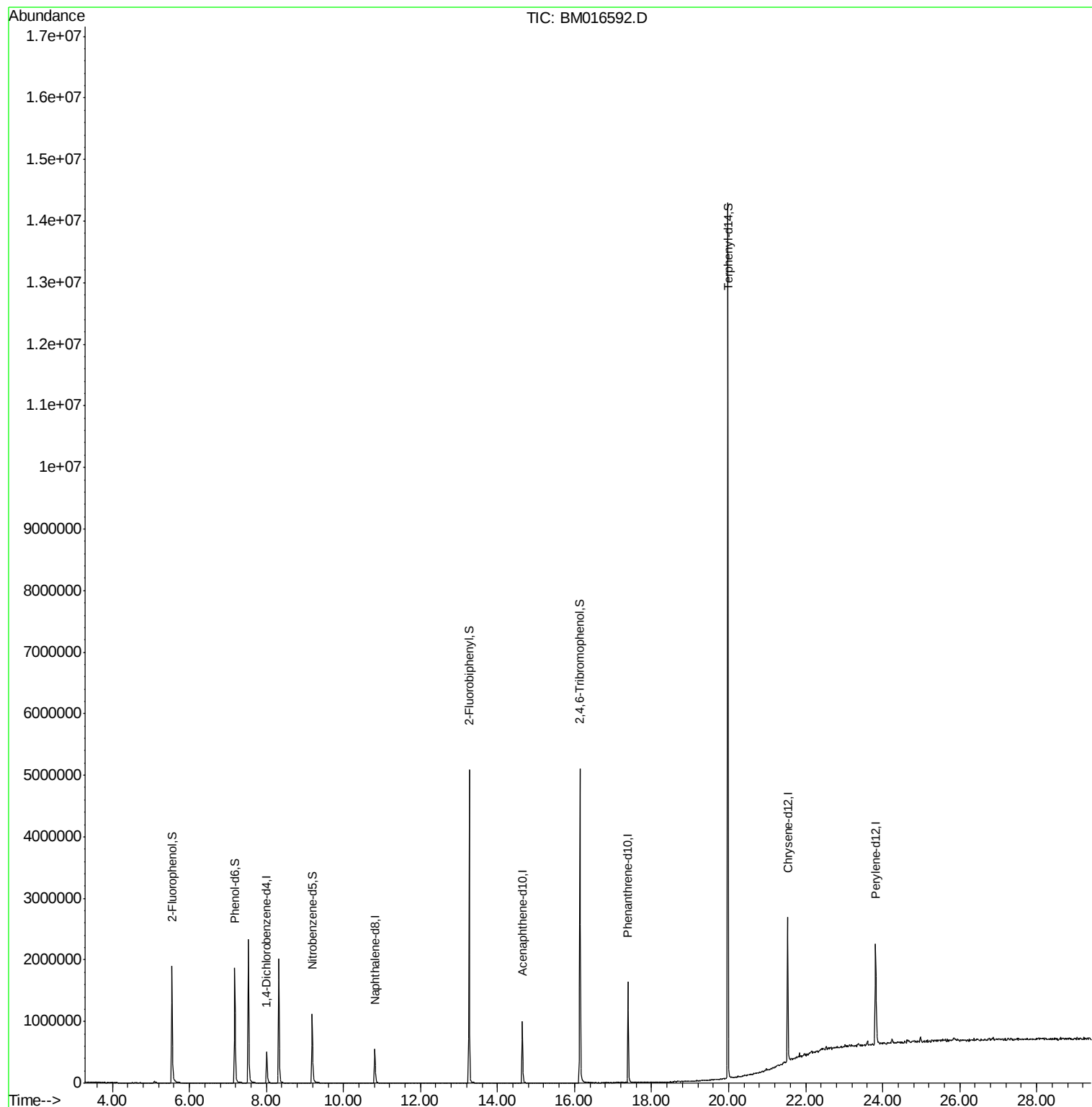
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

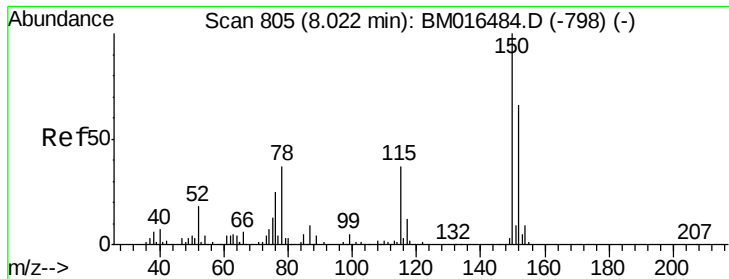
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 24 Aug 2018 17:27  
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Sample : PB112017BL  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB112017BL

Quant Time: Aug 24 21:57:14 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



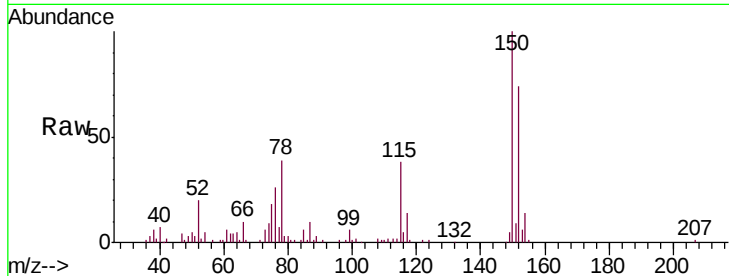


#1

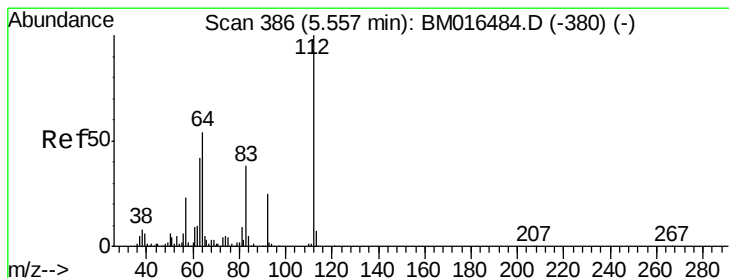
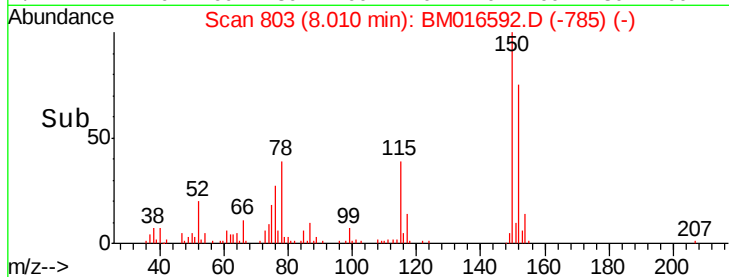
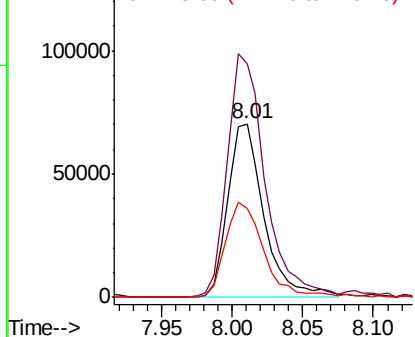
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.01 min Scan# 803  
Delta R.T. 0.01 min  
Lab File: BM016592.D  
Acq: 24 Aug 2018 17:27

Instrument :  
BNA\_M  
ClientSampleId :  
PB112017BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 134.4 | 119.5 | 179.3 |
| 115     | 51.2  | 43.0  | 64.4  |



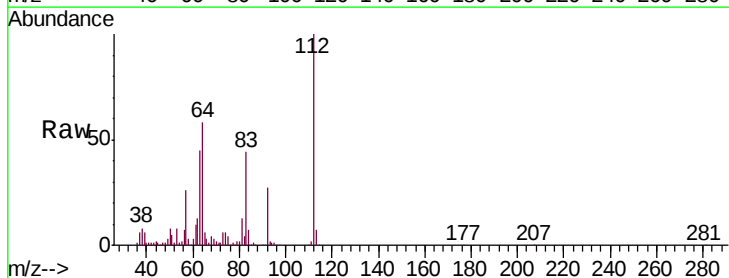
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



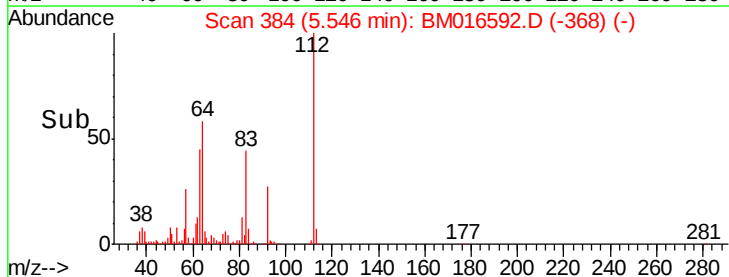
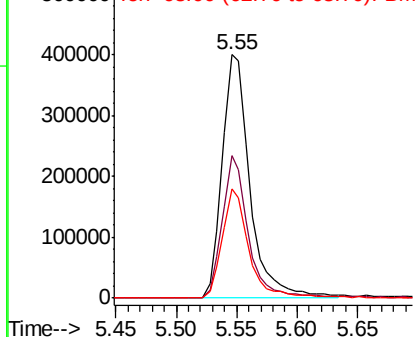
#5

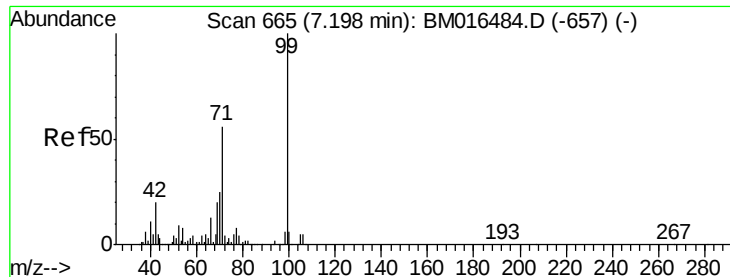
2-Fluorophenol  
Concen: 99.910 ng  
RT: 5.55 min Scan# 384  
Delta R.T. -0.01 min  
Lab File: BM016592.D  
Acq: 24 Aug 2018 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.4  | 38.6  | 57.8# |
| 63      | 44.8  | 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: 91.781 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.00 min

Lab File: BM016592.D

Acq: 24 Aug 2018 17:27

Instrument :

BNA\_M

ClientSampleId :

PB112017BL

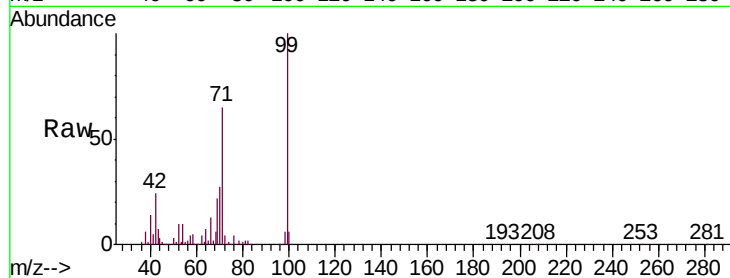
Tgt Ion: 99 Resp: 779246

Ion Ratio Lower Upper

99 100

42 23.7 11.0 16.4#

71 64.8 23.4 35.2#

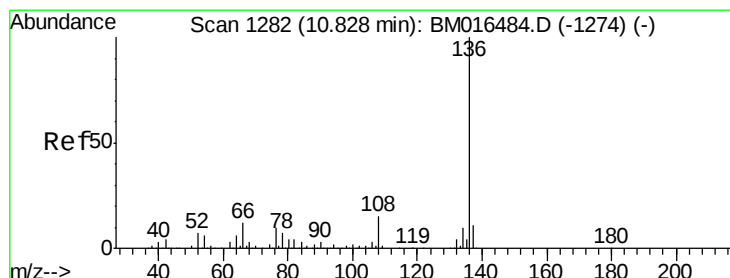
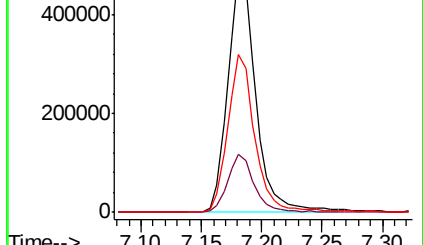
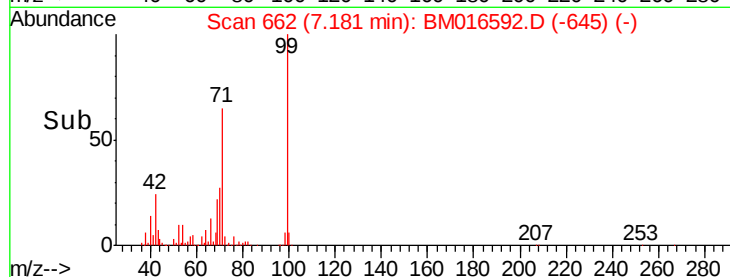


Abundance Ion 99.00 (98.70 to 99.70): BM016484.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016484.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016484.D (-657) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1280

Delta R.T. 0.01 min

Lab File: BM016592.D

Acq: 24 Aug 2018 17:27

Tgt Ion: 136 Resp: 401672

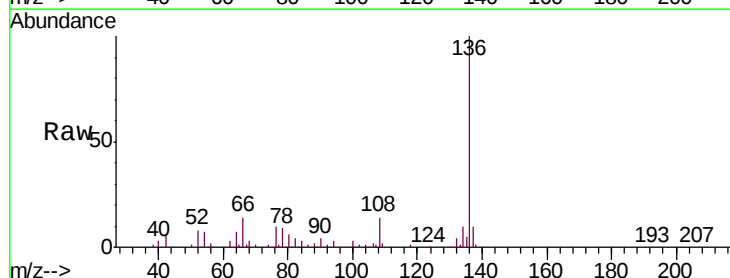
Ion Ratio Lower Upper

136 100

137 9.6 8.7 13.1

54 7.2 4.6 6.8#

68 2.8 3.7 5.5#



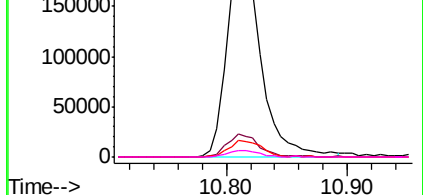
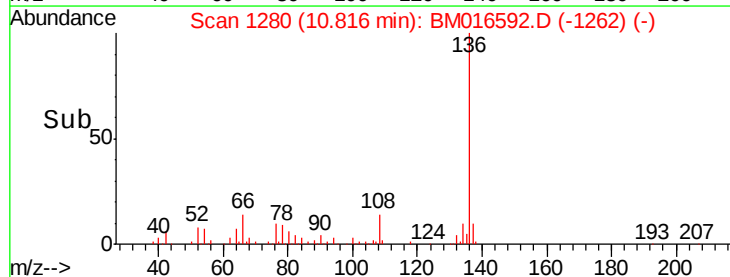
Abundance Ion 136.00 (135.70 to 136.70): BM016484.D (-1274) (-)

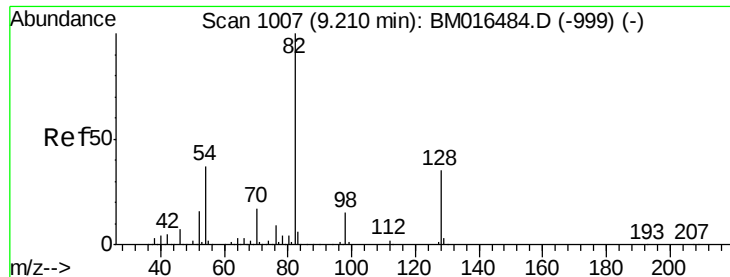
Ion 137.00 (136.70 to 137.70): BM016484.D (-1274) (-)

Ion 54.00 (53.70 to 54.70): BM016484.D (-1274) (-)

Ion 68.00 (67.70 to 68.70): BM016484.D (-1274) (-)

Time-->

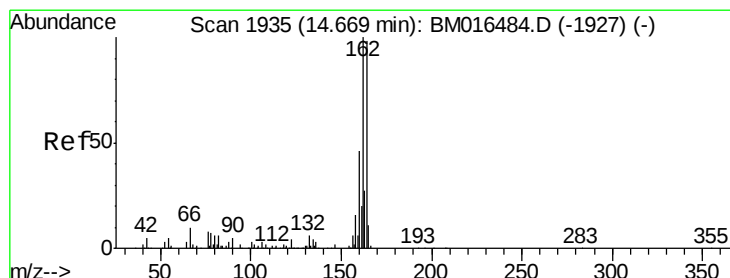
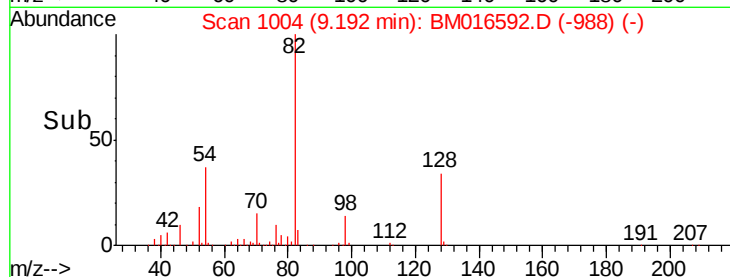
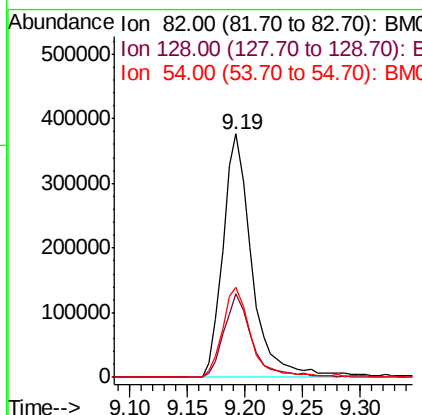
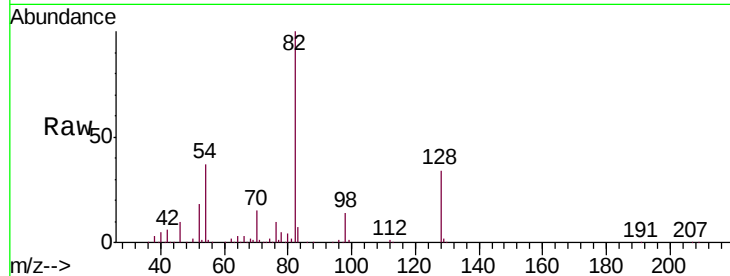




#23  
 Nitrobenzene-d5  
 Concen: 74.269 ng  
 RT: 9.19 min Scan# 1004  
 Delta R.T. -0.01 min  
 Lab File: BM016592.D  
 Acq: 24 Aug 2018 17:27

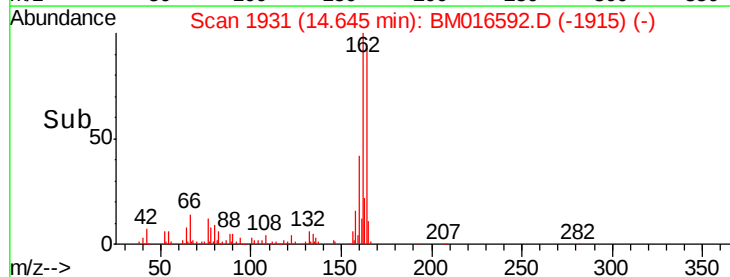
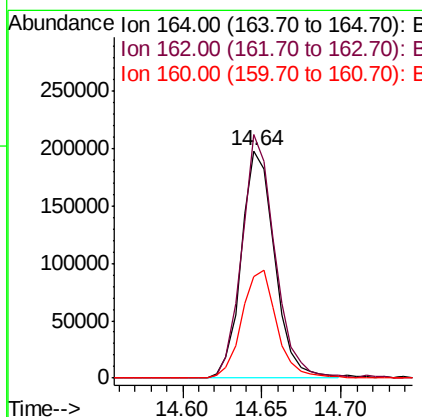
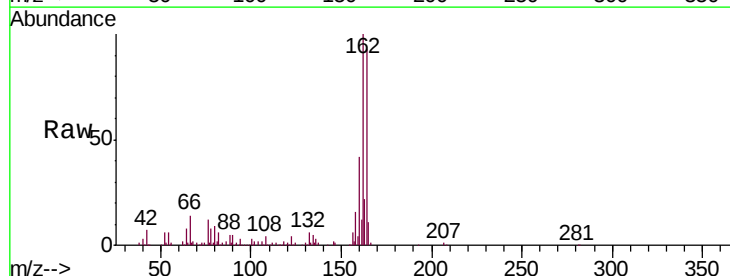
Instrument :  
 BNA\_M  
 ClientSampleID :  
 PB112017BL

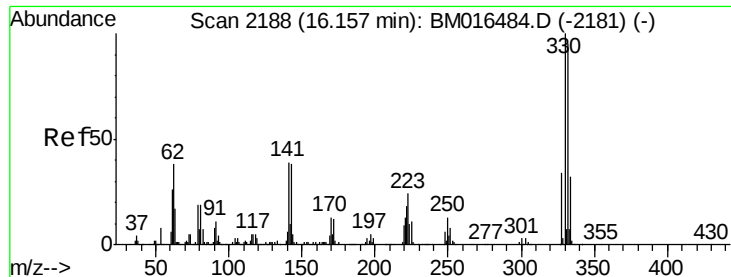
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 34.2  | 32.8  | 49.2  |
| 54      | 37.2  | 40.6  | 60.8# |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.64 min Scan# 1931  
 Delta R.T. -0.01 min  
 Lab File: BM016592.D  
 Acq: 24 Aug 2018 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 107.2 | 82.4  | 123.6 |
| 160     | 44.9  | 35.8  | 53.6  |

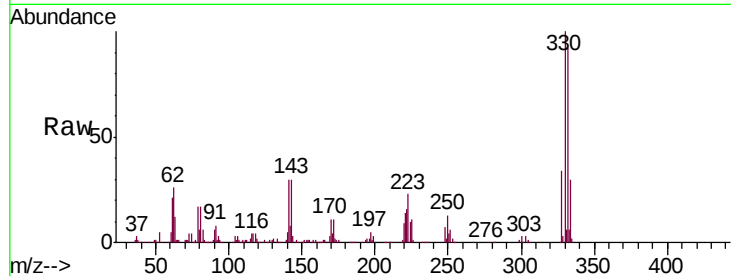




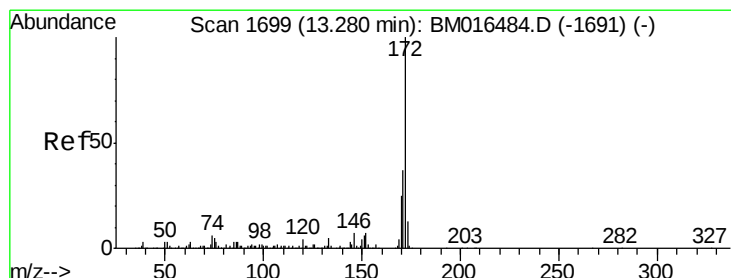
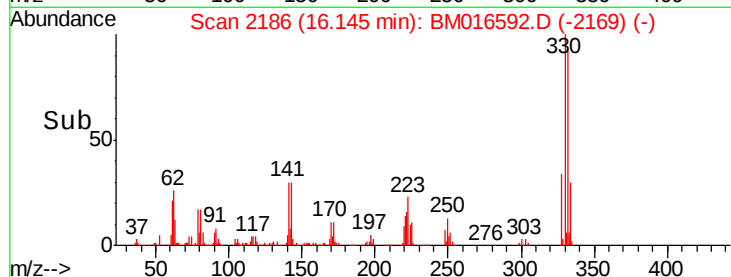
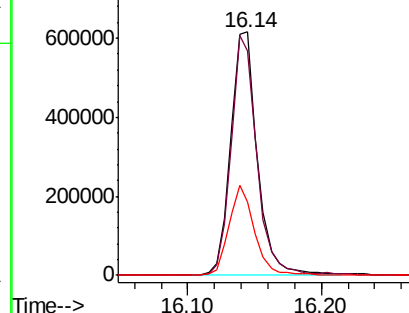
#41  
 2,4,6-Tribromophenol  
 Concen: 107.376 ng  
 RT: 16.14 min Scan# 2186  
 Delta R.T. -0.00 min  
 Lab File: BM016592.D  
 Acq: 24 Aug 2018 17:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB112017BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 869934 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 94.6  | 0.0   | 0.0#   |
| 141      | 35.3  | 0.0   | 0.0#   |

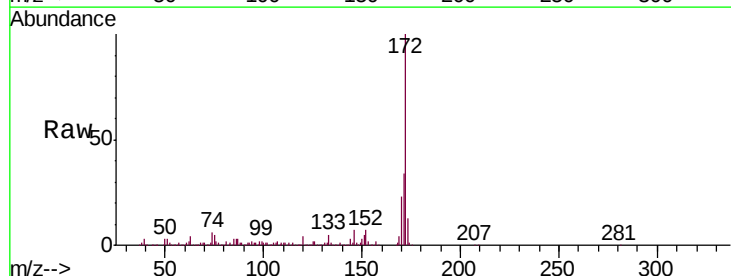


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

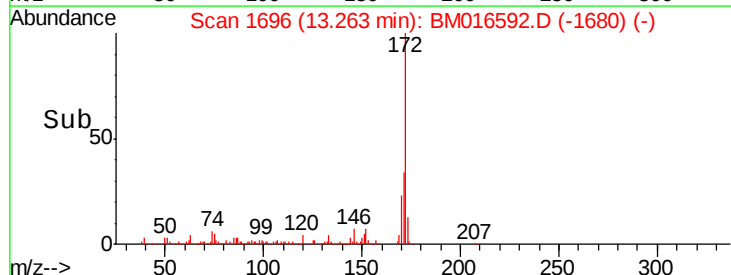
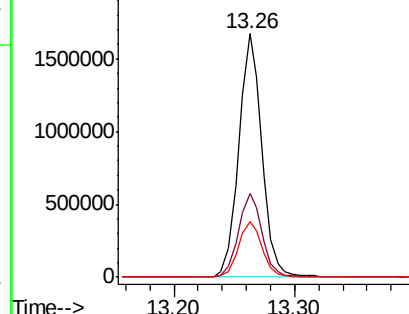


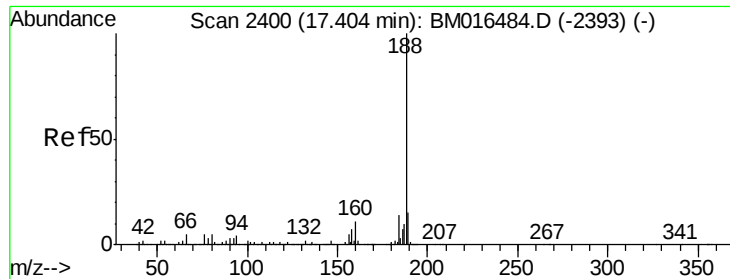
#44  
 2-Fluorobiphenyl  
 Concen: 73.899 ng  
 RT: 13.26 min Scan# 1696  
 Delta R.T. -0.01 min  
 Lab File: BM016592.D  
 Acq: 24 Aug 2018 17:27

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 172   | Resp: | 2228139 |
| Ion      | Ratio | Lower | Upper   |
| 172      | 100   |       |         |
| 171      | 34.5  | 28.5  | 42.7    |
| 170      | 22.5  | 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

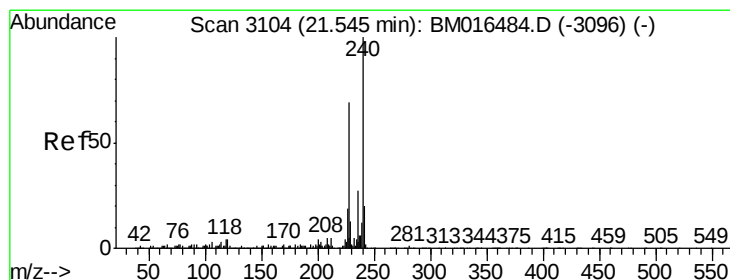
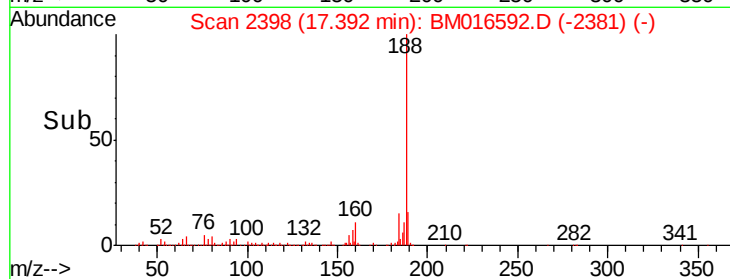
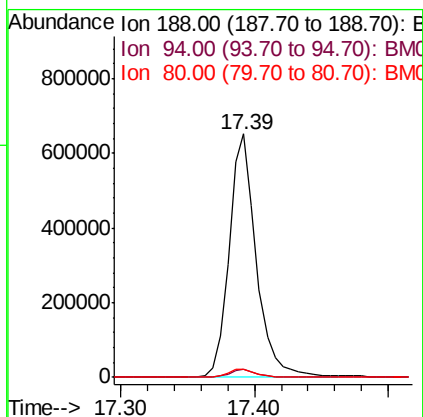
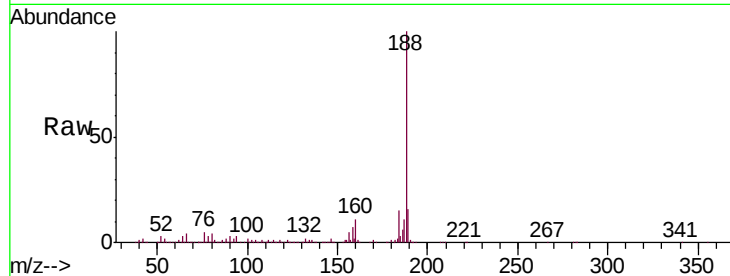




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2398  
Delta R.T. -0.00 min  
Lab File: BM016592.D  
Acq: 24 Aug 2018 17:27

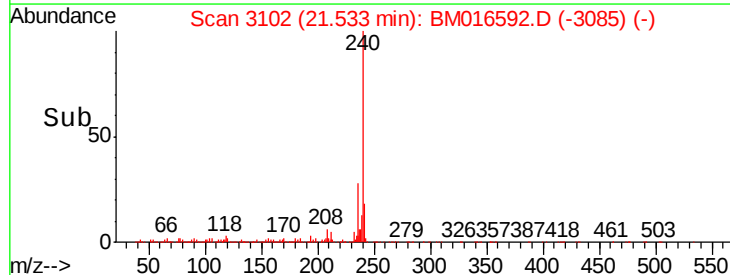
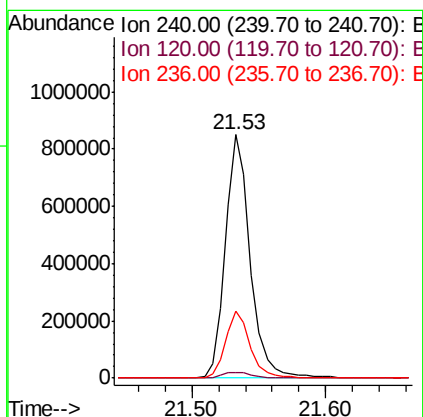
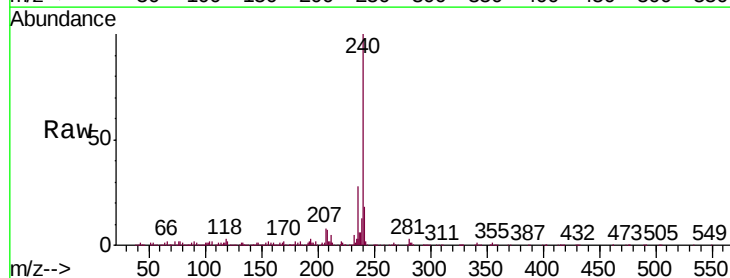
Instrument :  
BNA\_M  
ClientSampleId :  
PB112017BL

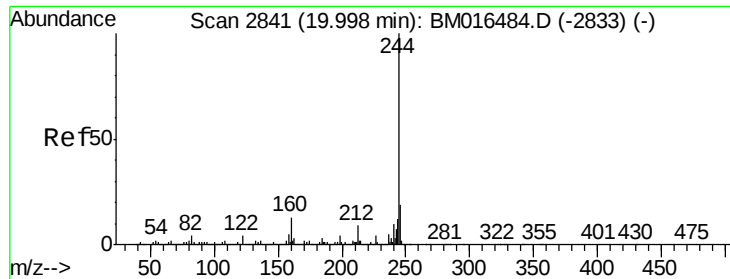
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 3.2   | 8.7   | 13.1# |
| 80      | 3.6   | 9.3   | 13.9# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.53 min Scan# 3102  
Delta R.T. -0.00 min  
Lab File: BM016592.D  
Acq: 24 Aug 2018 17:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 2.3   | 8.2   | 12.2# |
| 236     | 27.6  | 20.0  | 30.0  |





#78

Terphenyl-d14

Concen: 101.062 ng

RT: 19.98 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BM016592.D

Acq: 24 Aug 2018 17:27

Instrument :

BNA\_M

ClientSampleId :

PB112017BL

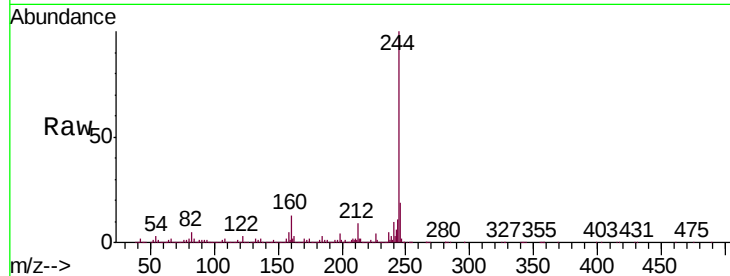
Tgt Ion:244 Resp: 5319109

Ion Ratio Lower Upper

244 100

212 9.3 4.9 7.3#

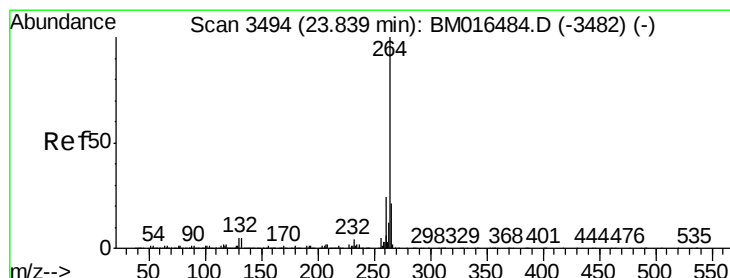
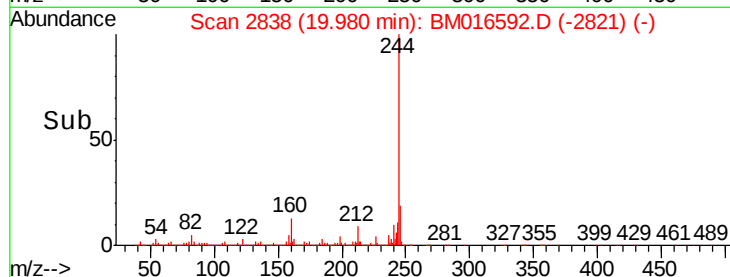
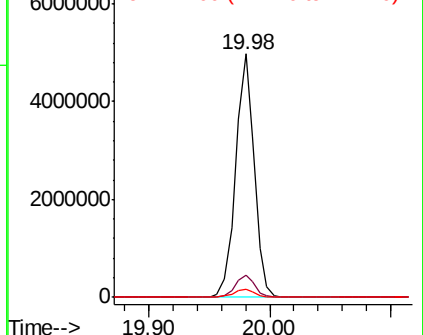
122 3.2 6.2 9.4#



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: 23.81 min Scan# 3490

Delta R.T. -0.00 min

Lab File: BM016592.D

Acq: 24 Aug 2018 17:27

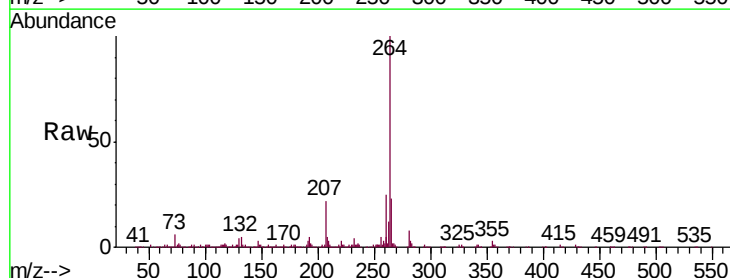
Tgt Ion:264 Resp: 1261189

Ion Ratio Lower Upper

264 100

260 24.7 18.6 27.8

265 23.0 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

