

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082218\  
 Data File : BM016548.D  
 Acq On : 23 Aug 2018 10:16  
 Operator : SJ/JU  
 Sample : J4278-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-01-082118-A

Quant Time: Aug 23 11:37:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 21 16:31:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 120749   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.82 | 136  | 380478   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.66 | 164  | 294066   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.40 | 188  | 943601   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.54 | 240  | 1146154  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.83 | 264  | 1307745  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.55  | 112  | 658523   | 106.87 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 790823   | 96.99  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 639393   | 76.73  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 922169   | 112.18 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 2272555  | 74.28  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.99 | 244  | 5463116  | 100.89 | ng    | -0.01    |

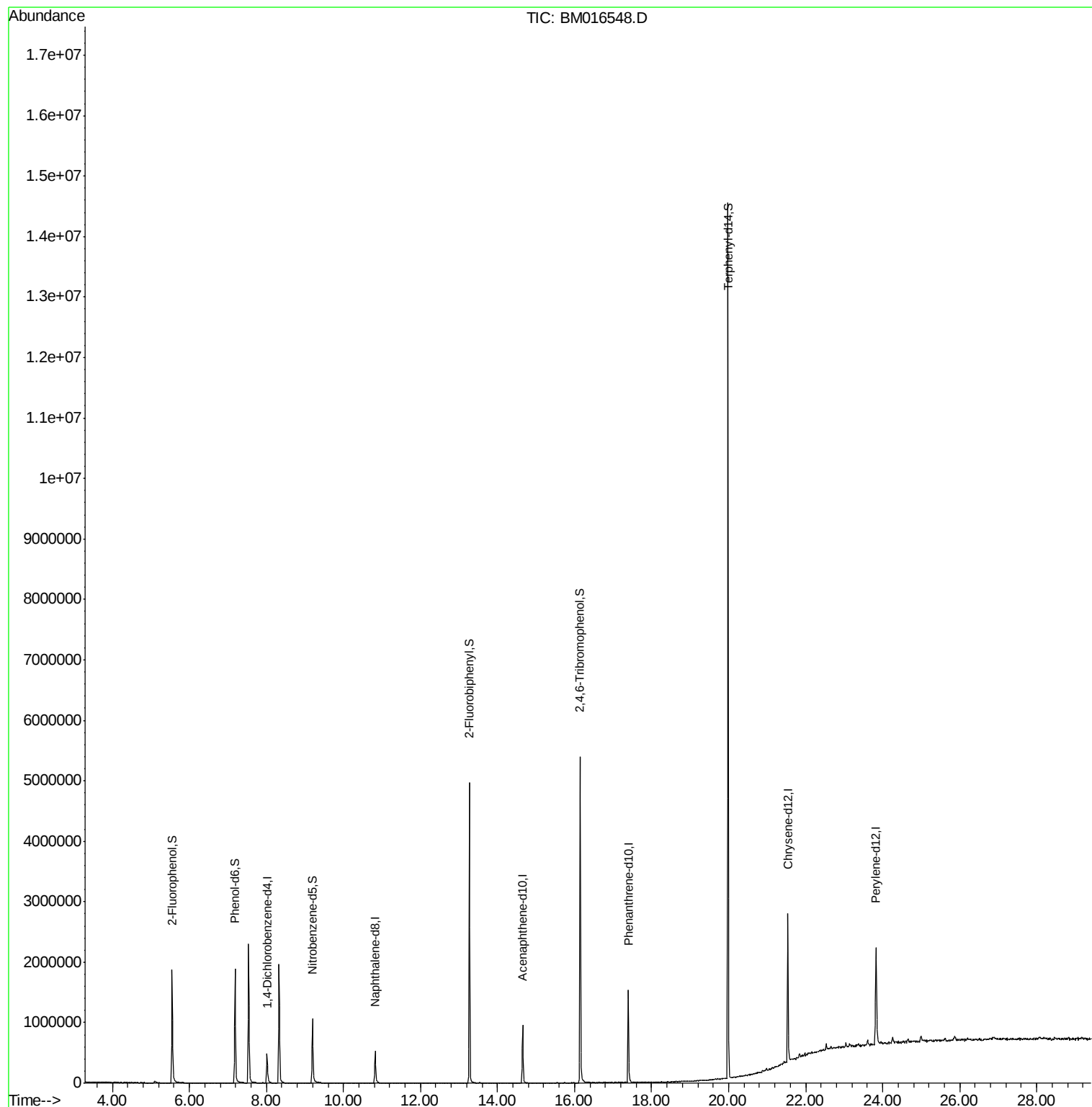
Target Compounds Qvalue

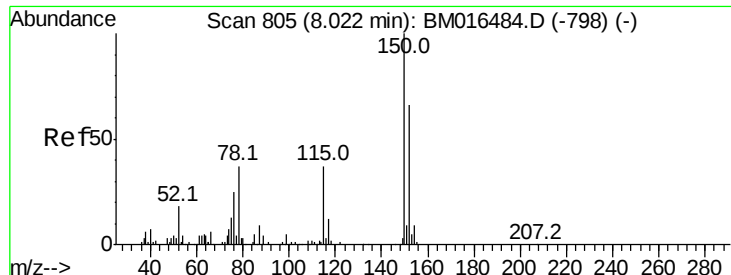
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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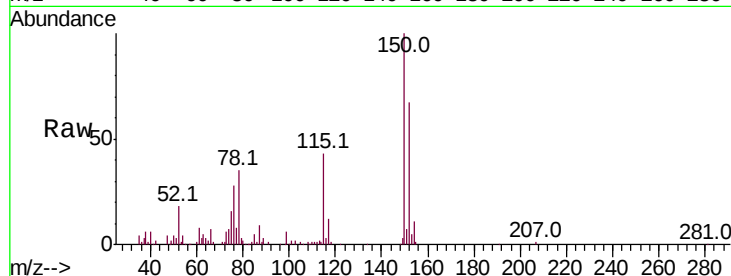


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 804  
Delta R.T. -0.01 min  
Lab File: BM016548.D  
Acq: 23 Aug 2018 10:16

Instrument :  
BNA\_M  
ClientSampleId :  
EO-01-082118-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.7 | 119.5 | 179.3 |
| 115     | 63.6  | 43.0  | 64.4  |

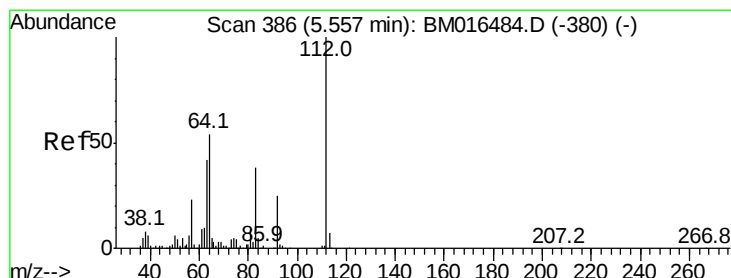
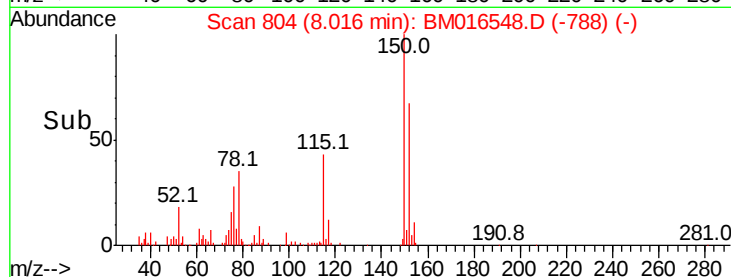
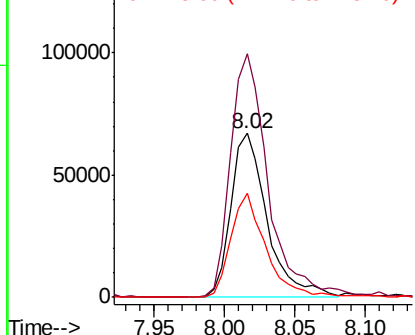


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

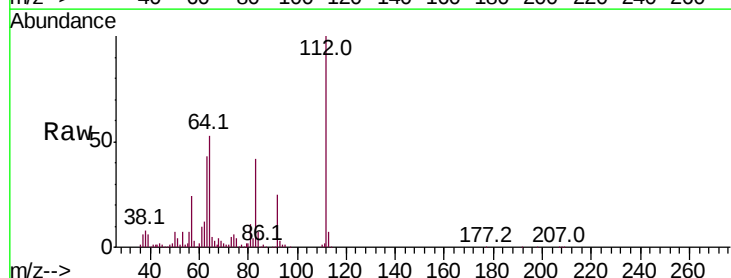
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 106.869 ng  
RT: 5.55 min Scan# 385  
Delta R.T. -0.01 min  
Lab File: BM016548.D  
Acq: 23 Aug 2018 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 52.8  | 38.6  | 57.8  |
| 63      | 43.3  | 19.3  | 28.9  |

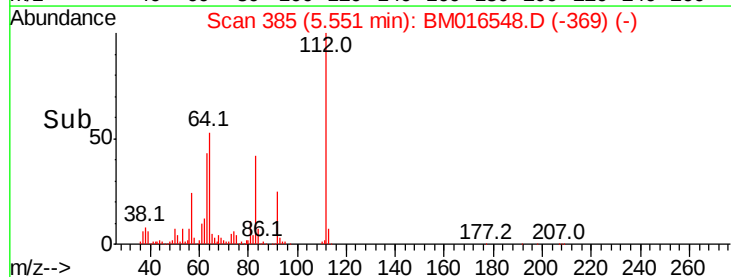
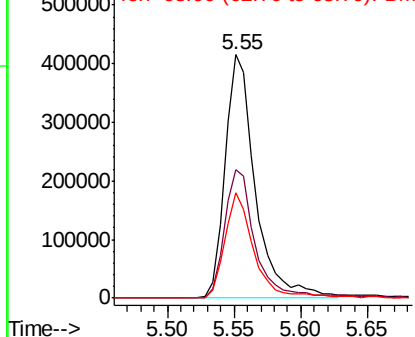


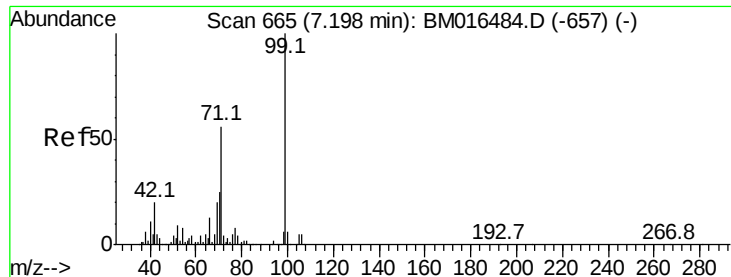
Abundance

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: 96.986 ng

RT: 7.19 min Scan# 663

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

Instrument :

BNA\_M

ClientSampleId :

EO-01-082118-A

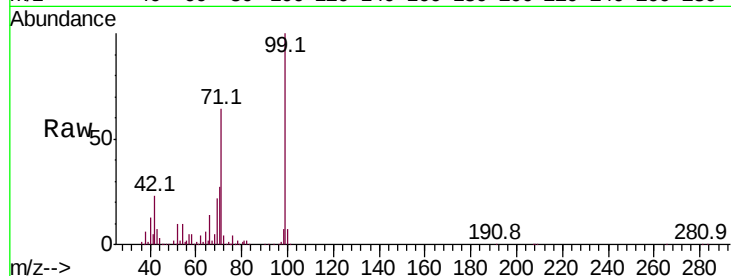
Tot Ion: 99 Resp: 790823

Ion Ratio Lower Upper

99 100

42 22.7 11.0 16.4#

71 64.3 23.4 35.2#

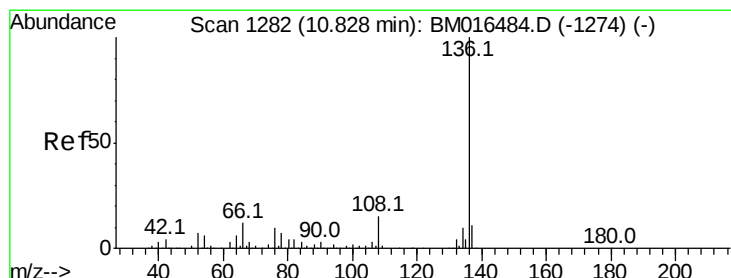
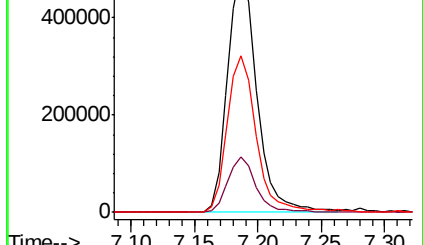
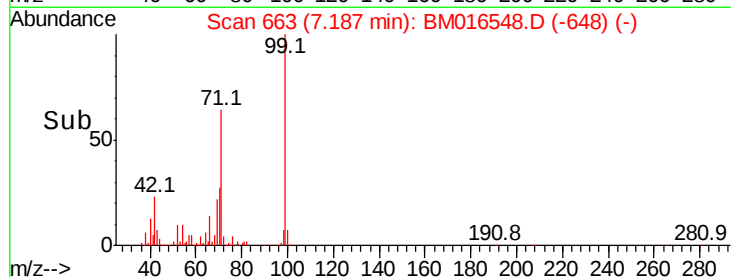


Abundance Ion 99.00 (98.70 to 99.70): BM016548.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM016548.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM016548.D (-657) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

Tgt Ion: 136 Resp: 380478

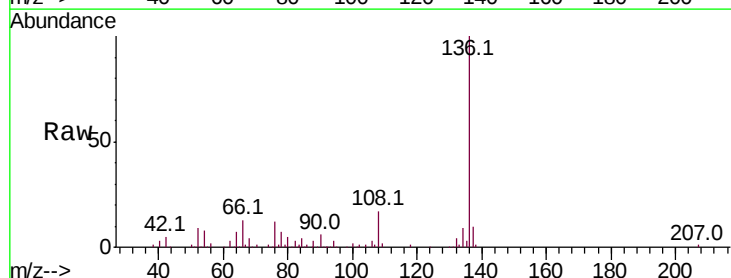
Ion Ratio Lower Upper

136 100

137 10.3 8.7 13.1

54 7.7 4.6 6.8#

68 4.0 3.7 5.5



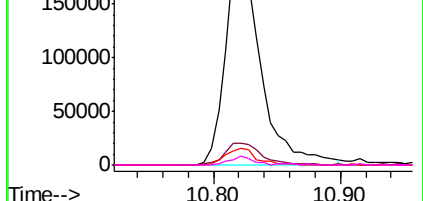
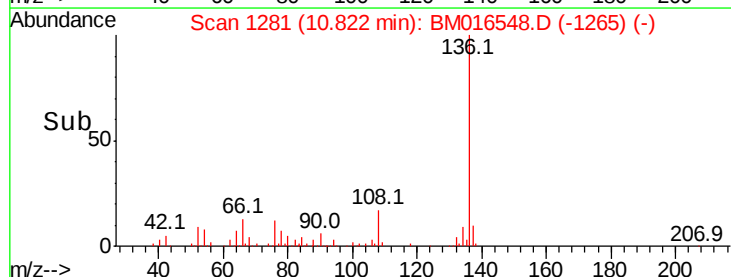
Abundance Ion 136.00 (135.70 to 136.70): BM016548.D (-1274) (-)

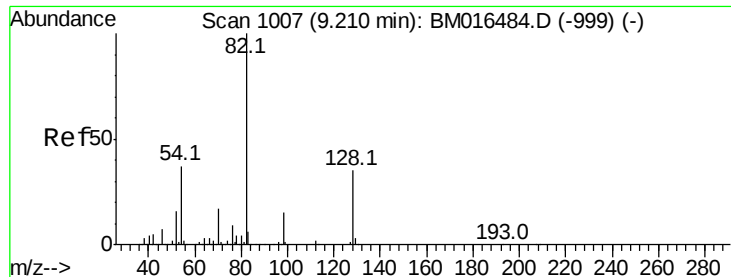
Ion 137.00 (136.70 to 137.70): BM016548.D (-1274) (-)

Ion 54.00 (53.70 to 54.70): BM016548.D (-1274) (-)

Ion 68.00 (67.70 to 68.70): BM016548.D (-1274) (-)

Time-->

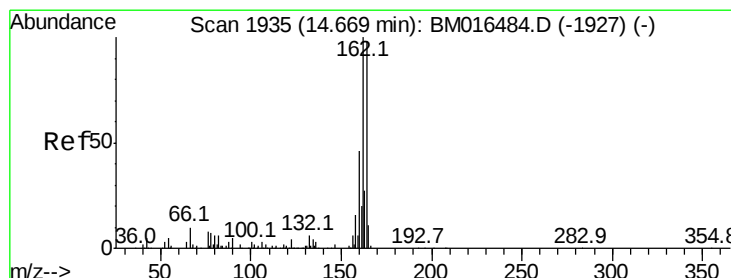
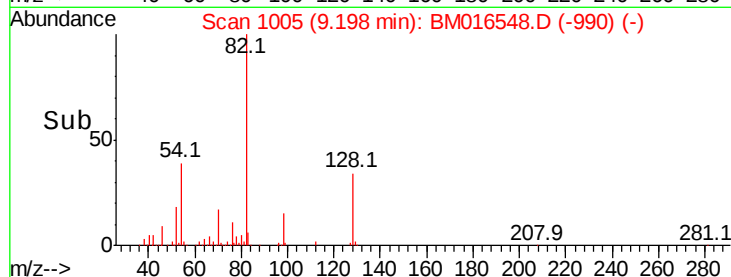
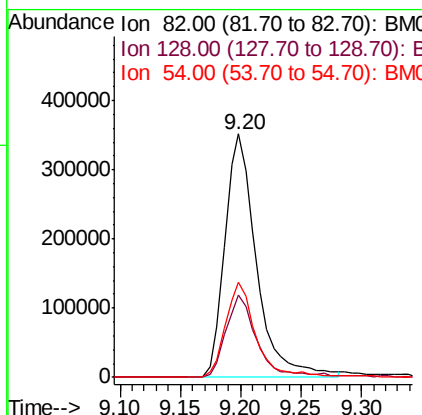
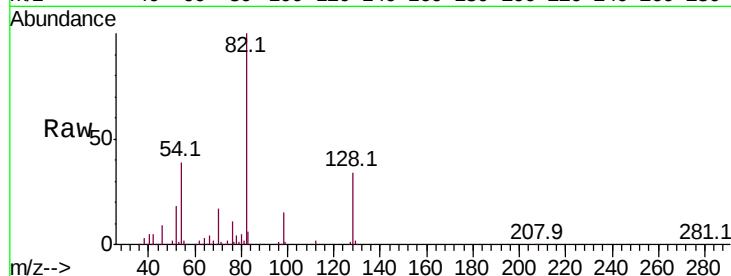




#23  
Nitrobenzene-d5  
Concen: 76.730 ng  
RT: 9.20 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BM016548.D  
Acq: 23 Aug 2018 10:16

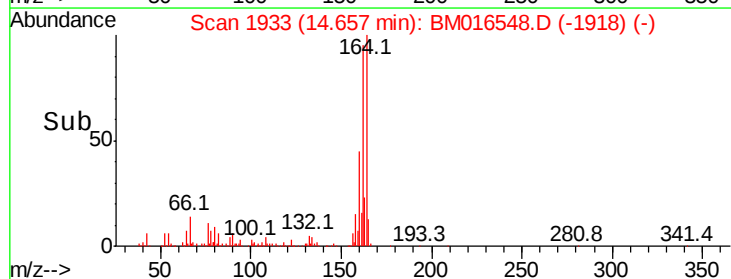
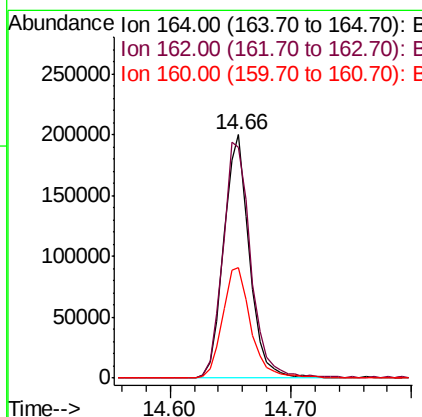
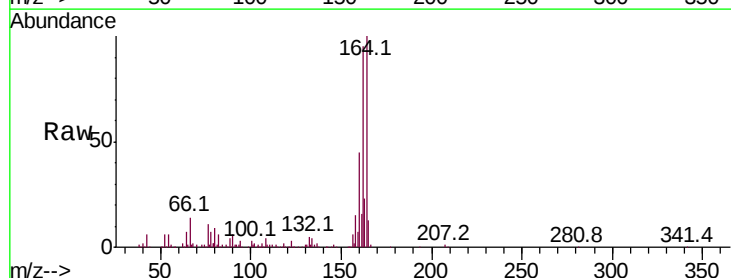
Instrument :  
BNA\_M  
ClientSampleId :  
EO-01-082118-A

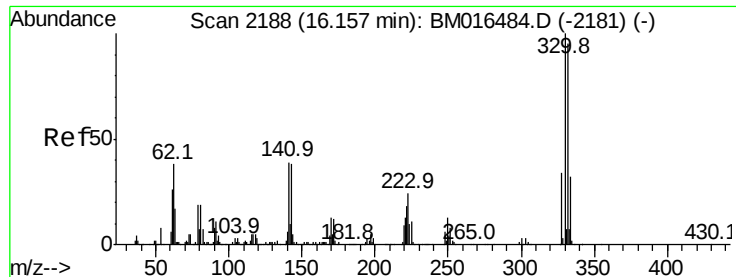
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 33.7  | 32.8  | 49.2  |
| 54      | 39.2  | 40.6  | 60.8# |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1933  
Delta R.T. -0.01 min  
Lab File: BM016548.D  
Acq: 23 Aug 2018 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.7  | 82.4  | 123.6 |
| 160     | 45.4  | 35.8  | 53.6  |

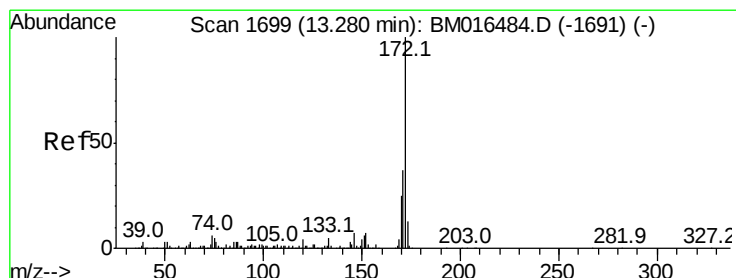
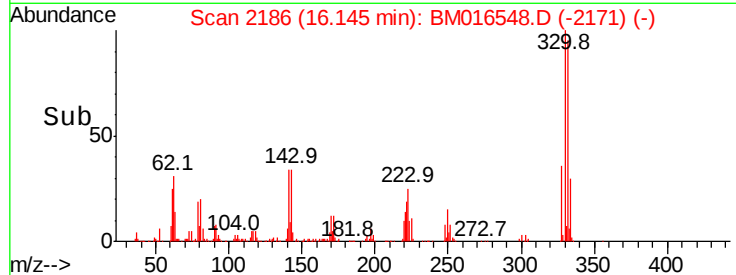
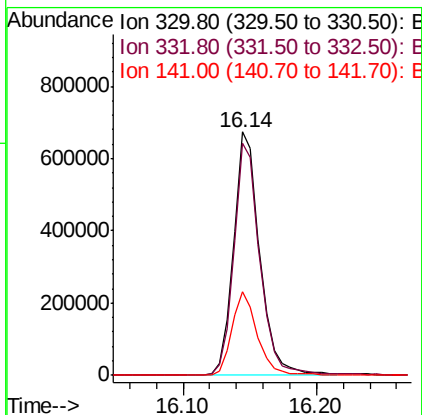
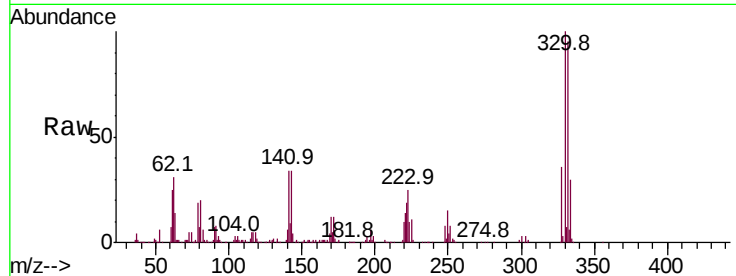




#41  
 2,4,6-Tribromophenol  
 Concen: 112.181 ng  
 RT: 16.14 min Scan# 2186  
 Delta R.T. -0.01 min  
 Lab File: BM016548.D  
 Acq: 23 Aug 2018 10:16

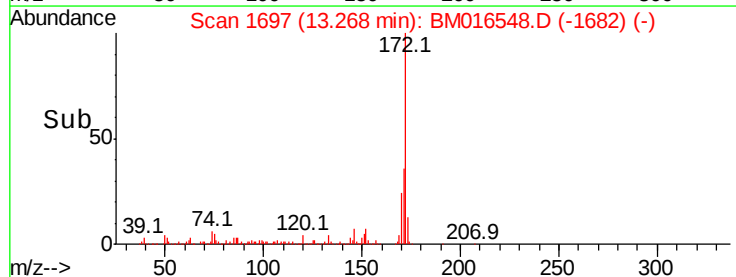
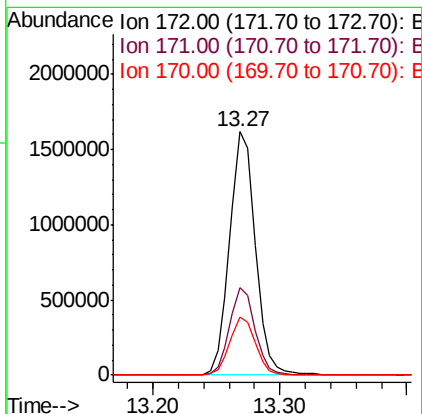
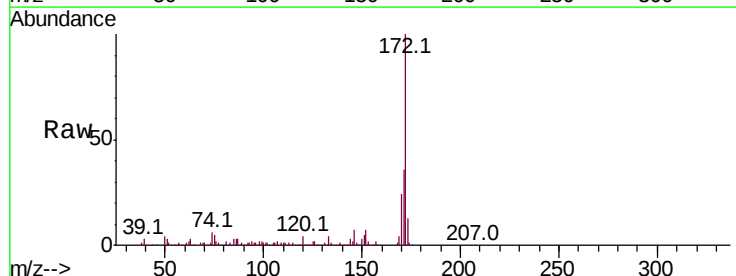
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EO-01-082118-A

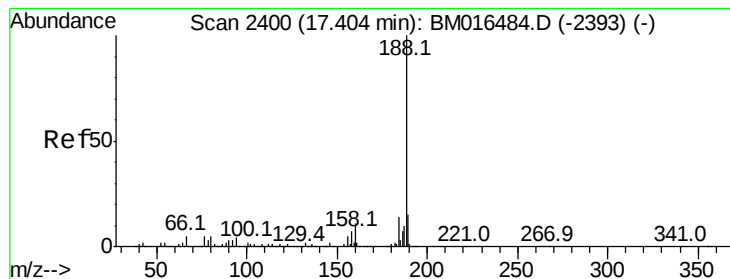
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 0.0   | 0.0#  |
| 141     | 33.6  | 0.0   | 0.0#  |



#44  
 2-Fluorobiphenyl  
 Concen: 74.284 ng  
 RT: 13.27 min Scan# 1697  
 Delta R.T. -0.01 min  
 Lab File: BM016548.D  
 Acq: 23 Aug 2018 10:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.8  | 28.5  | 42.7  |
| 170     | 23.8  | 18.8  | 28.2  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

Instrument :

BNA\_M

ClientSampleId :

EO-01-082118-A

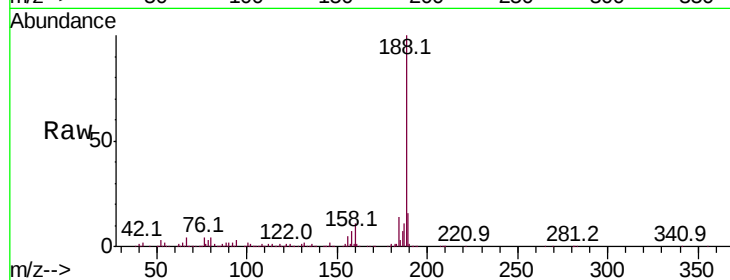
Tot Ion:188 Resp: 943601

Ion Ratio Lower Upper

188 100

94 3.3 8.7 13.1#

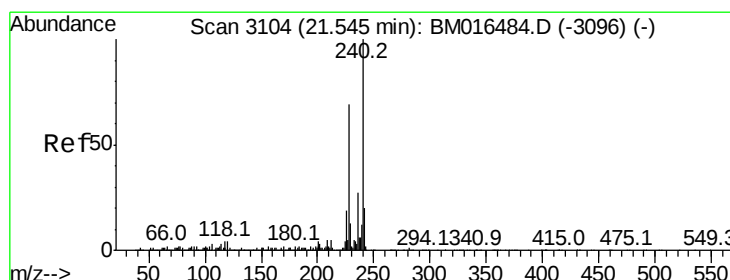
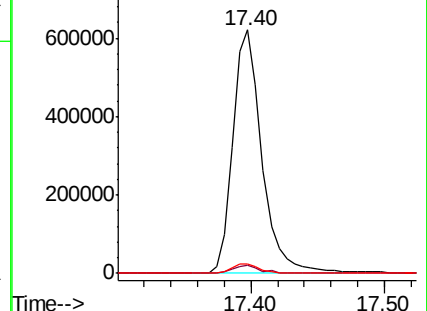
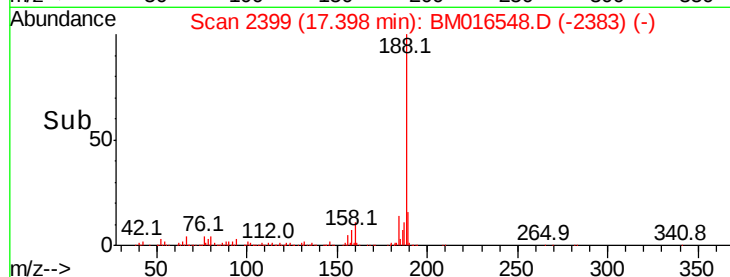
80 3.8 9.3 13.9#



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: 21.54 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

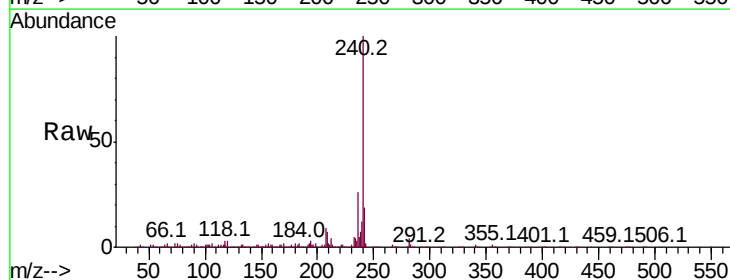
Tgt Ion:240 Resp: 1146154

Ion Ratio Lower Upper

240 100

120 2.6 8.2 12.2#

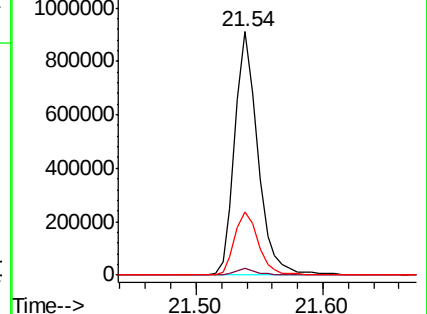
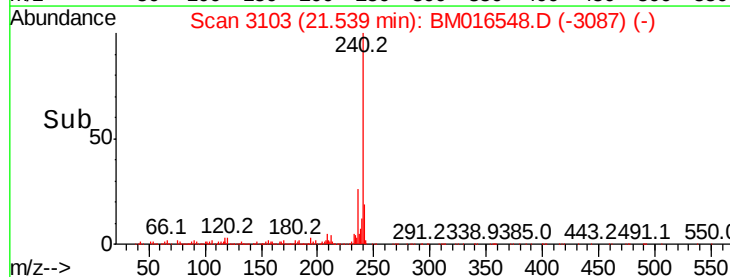
236 25.7 20.0 30.0

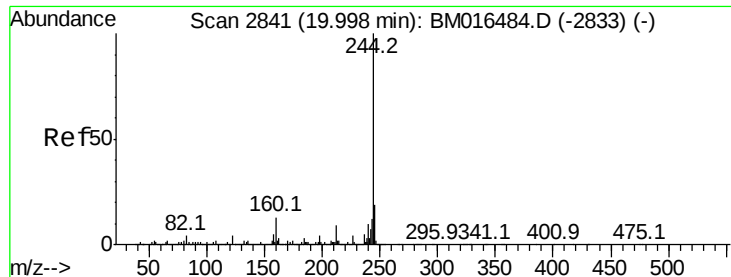


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.886 ng

RT: 19.99 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

Instrument :

BNA\_M

ClientSampleId :

EO-01-082118-A

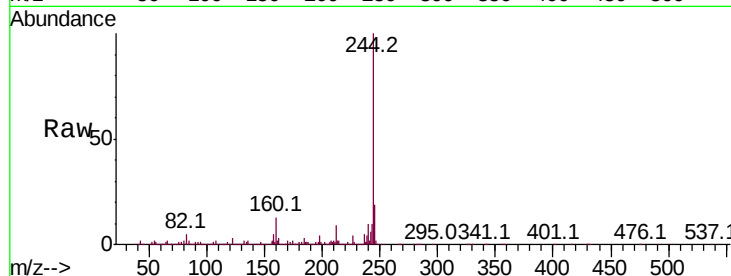
Tot Ion:244 Resp: 5463116

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

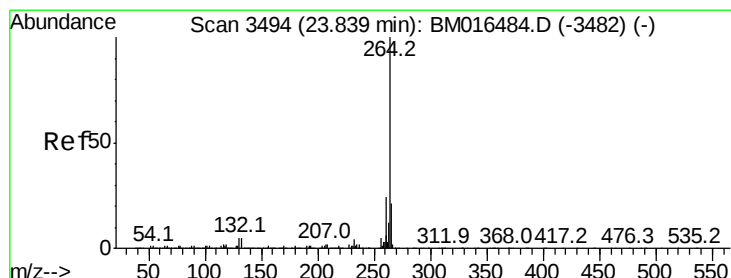
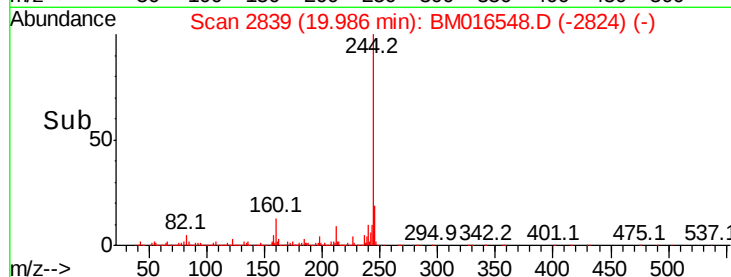
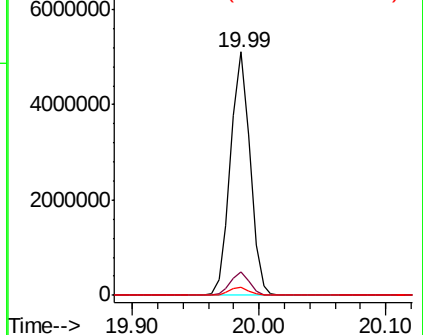
122 3.2 6.2 9.4#



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: 23.83 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BM016548.D

Acq: 23 Aug 2018 10:16

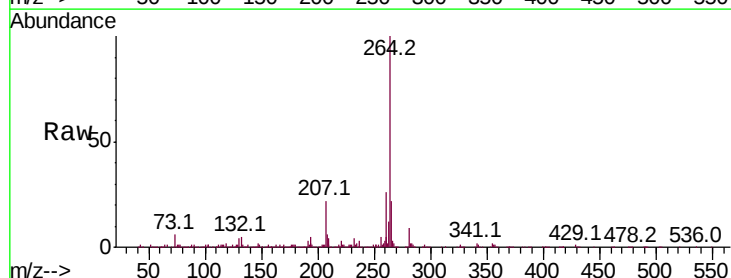
Tgt Ion:264 Resp: 1307745

Ion Ratio Lower Upper

264 100

260 25.9 18.6 27.8

265 21.9 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

