

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\  
 Data File : BM016198.D  
 Acq On : 06 Aug 2018 19:20  
 Operator : SJ/JU  
 Sample : J4333-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SOIL-1

Quant Time: Aug 07 00:54:02 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

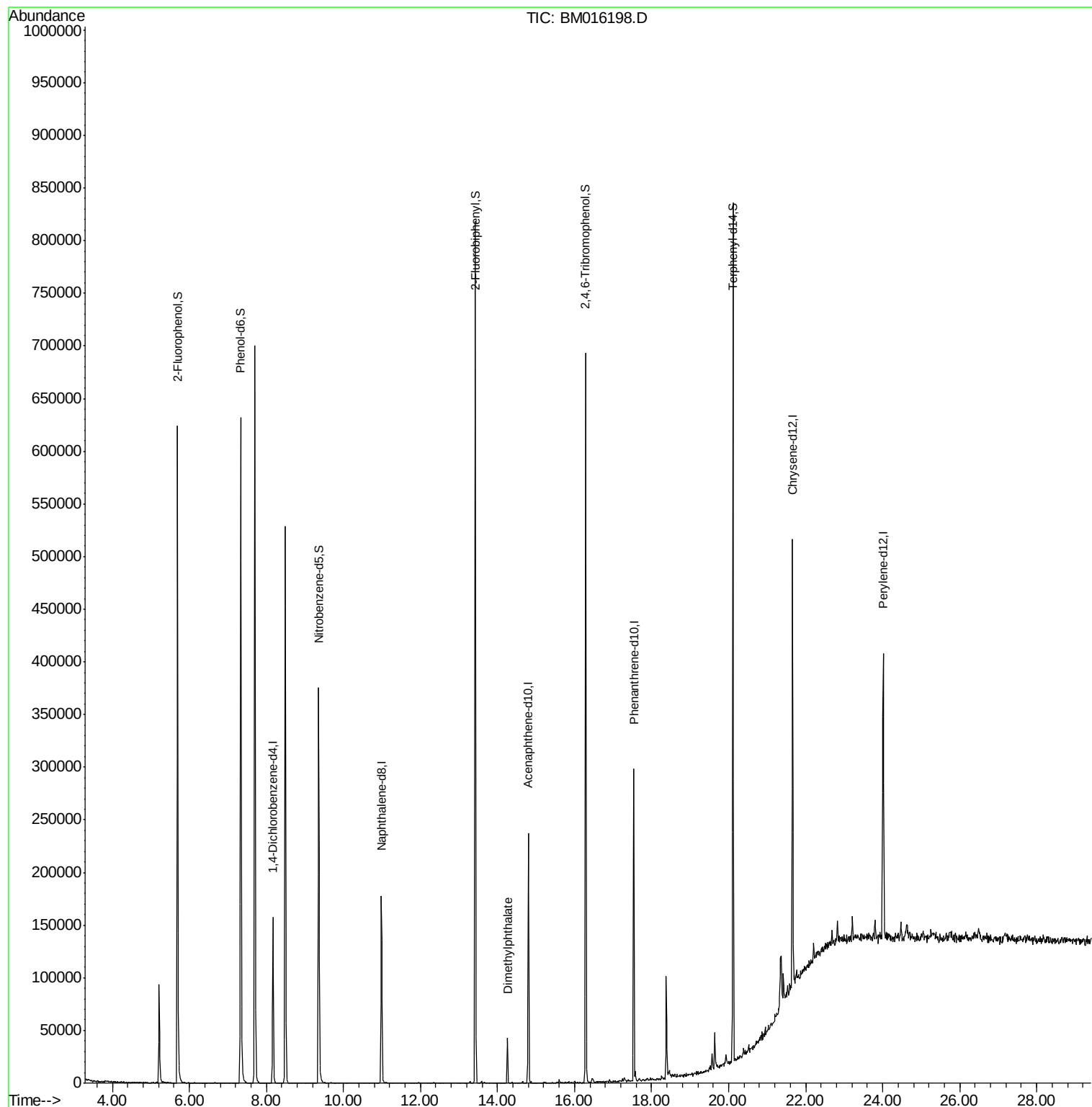
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 33592    | 20.00 | ng    | -0.07    |
| 21) Naphthalene-d8          | 10.99 | 136  | 128244   | 20.00 | ng    | -0.07    |
| 38) Acenaphthene-d10        | 14.80 | 164  | 67140    | 20.00 | ng    | -0.05    |
| 63) Phenanthrene-d10        | 17.54 | 188  | 143993   | 20.00 | ng    | -0.05    |
| 75) Chrysene-d12            | 21.66 | 240  | 160247   | 20.00 | ng    | -0.04    |
| 86) Perylene-d12            | 24.01 | 264  | 167930   | 20.00 | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.69  | 112  | 202132   | 99.95 | ng    | -0.05    |
| 7) Phenol-d6                | 7.33  | 99   | 256613   | 97.17 | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 9.36  | 82   | 188463   | 68.35 | ng    | -0.06    |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 67417    | 79.17 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 315397   | 57.16 | ng    | -0.06    |
| 78) Terphenyl-d14           | 20.11 | 244  | 252964   | 33.04 | ng    | -0.05    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 14.26 | 163  | 24037    | 4.091 | ng    | 97       |

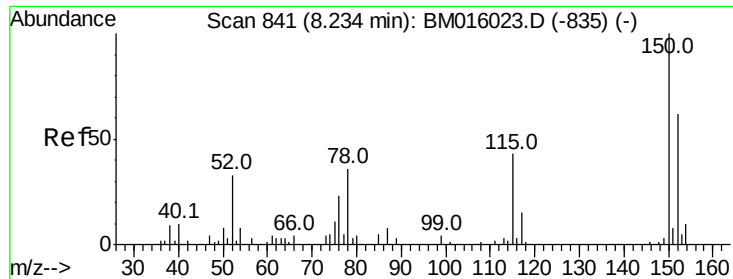
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080618\  
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Instrument :  
BNA\_M  
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SOIL-1

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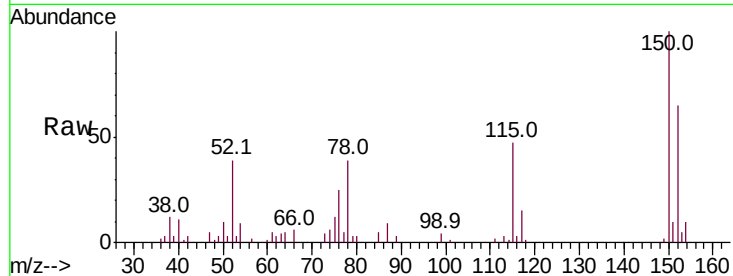


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.07 min  
Lab File: BM016198.D  
Acq: 06 Aug 2018 19:20

Instrument :  
BNA\_M  
ClientSampled :  
SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.6 | 119.5 | 179.3 |
| 115     | 72.1  | 43.0  | 64.4# |

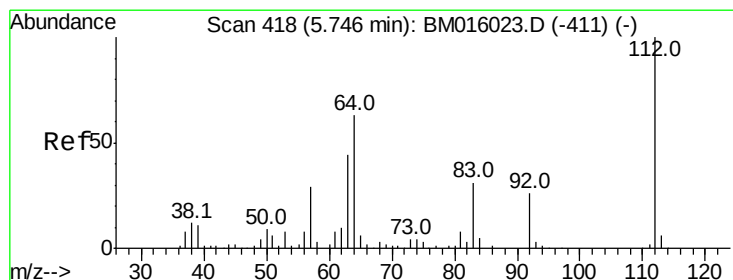
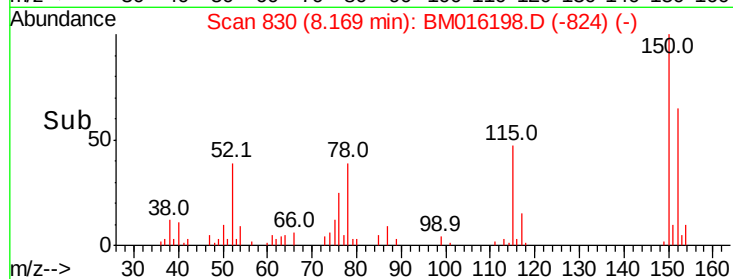
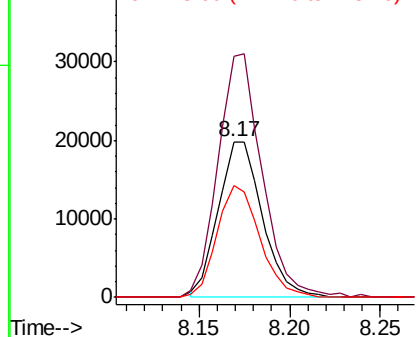


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

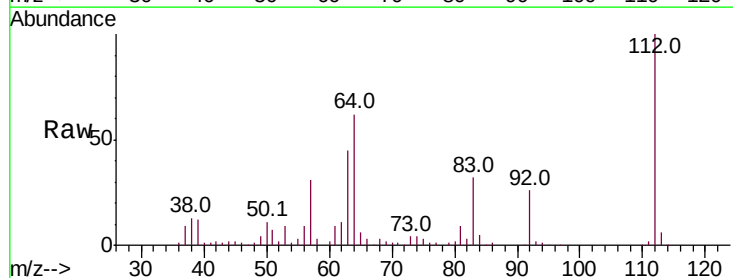
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: Below ng  
RT: 5.69 min Scan# 409  
Delta R.T. -0.05 min  
Lab File: BM016198.D  
Acq: 06 Aug 2018 19:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.0  | 38.6  | 57.8# |
| 63      | 45.4  | 19.3  | 28.9# |

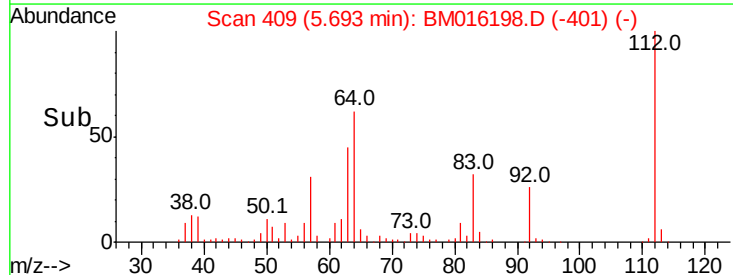
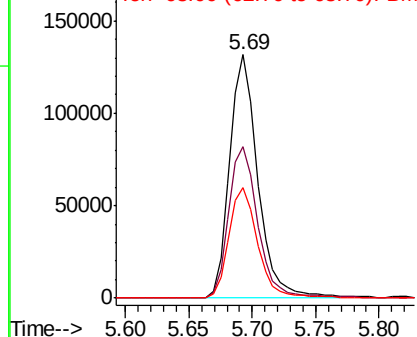


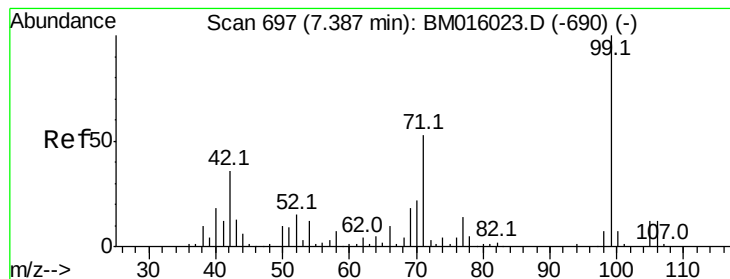
Abundance

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: BM016198.D

Acq: 06 Aug 2018 19:20

Instrument :

BNA\_M

ClientSampled :

SOIL-1

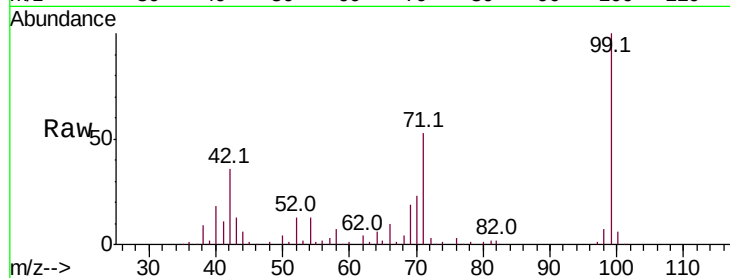
Tot Ion: 99 Resp: 256613

Ion Ratio Lower Upper

99 100

42 35.9 11.0 16.4#

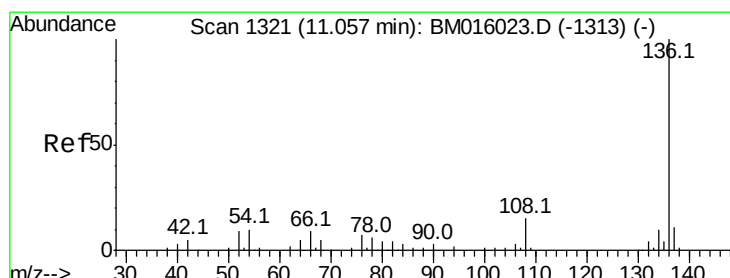
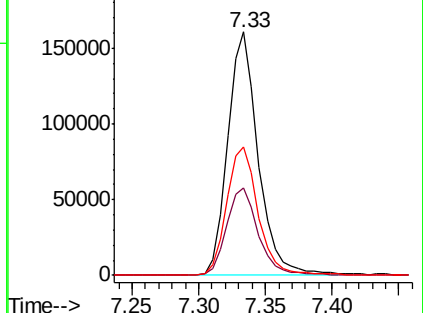
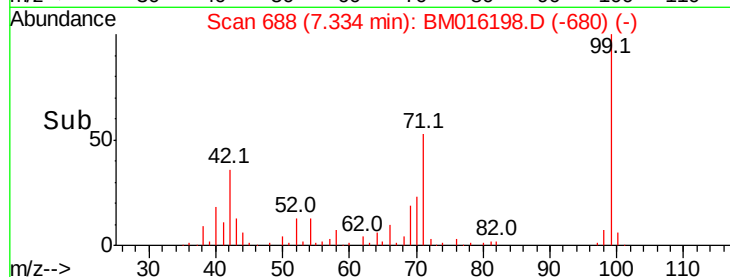
71 52.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016198.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016198.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016198.D (-680) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.99 min Scan# 1309

Delta R.T. -0.07 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

Tgt Ion: 136 Resp: 128244

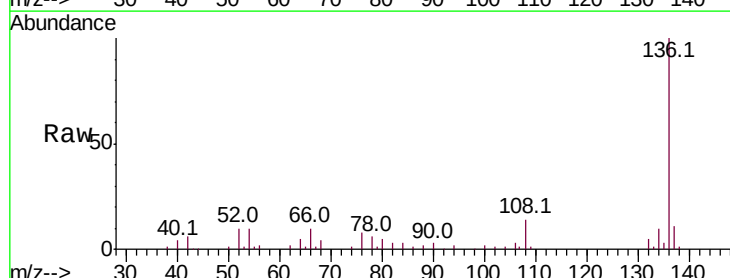
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.0 4.6 6.8#

68 4.0 3.7 5.5

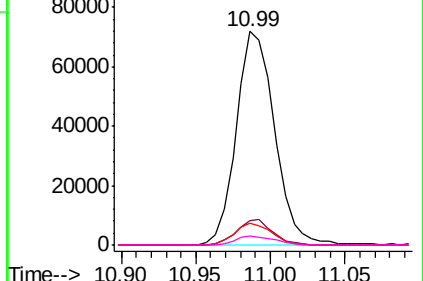
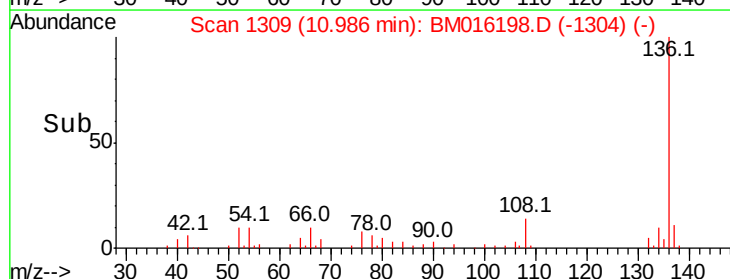


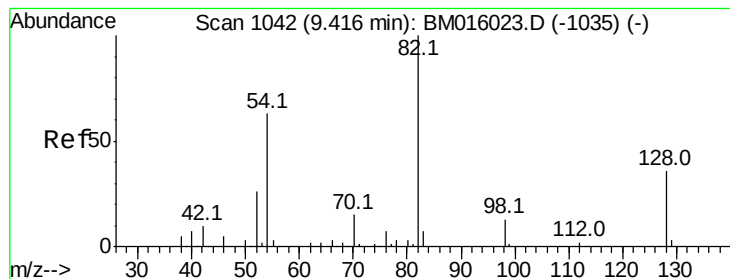
Abundance Ion 136.00 (135.70 to 136.70): BM016198.D (-1304) (-)

Ion 137.00 (136.70 to 137.70): BM016198.D (-1304) (-)

Ion 54.00 (53.70 to 54.70): BM016198.D (-1304) (-)

Ion 68.00 (67.70 to 68.70): BM016198.D (-1304) (-)





#23

Nitrobenzene-d5

Concen: N.D. ng

RT: 9.36 min Scan# 1032

Delta R.T. -0.06 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

Instrument :

BNA\_M

ClientSampleId :

SOIL-1

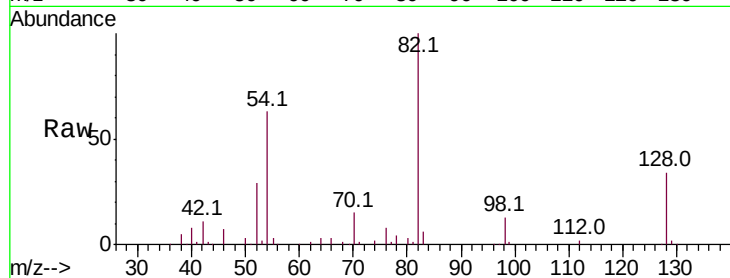
Tot Ion: 82 Resp: 188463

Ion Ratio Lower Upper

82 100

128 34.5 32.8 49.2

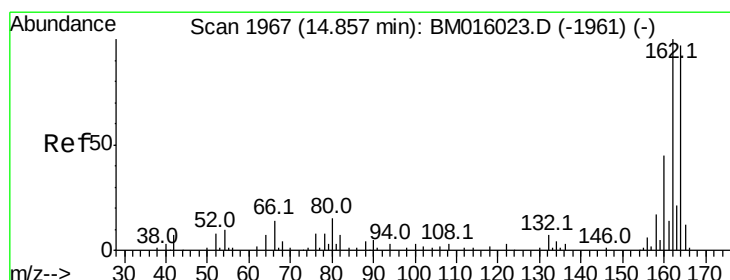
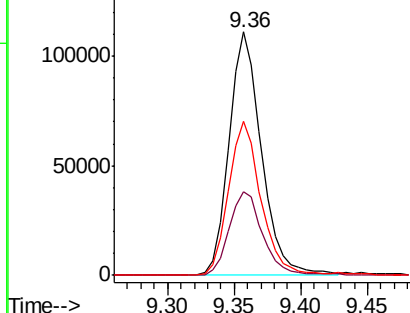
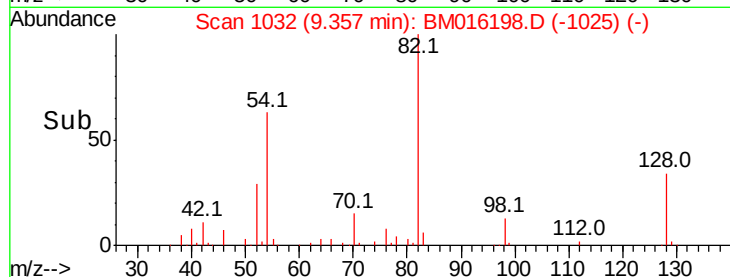
54 63.2 40.6 60.8#



Abundance Ion 82.00 (81.70 to 82.70): BM016198.D (-1025) (-)

Ion 128.00 (127.70 to 128.70): BM016198.D (-1025) (-)

Ion 54.00 (53.70 to 54.70): BM016198.D (-1025) (-)



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1958

Delta R.T. -0.05 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

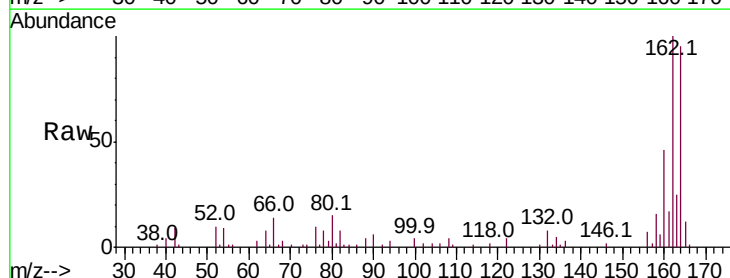
Tgt Ion:164 Resp: 67140

Ion Ratio Lower Upper

164 100

162 104.9 82.4 123.6

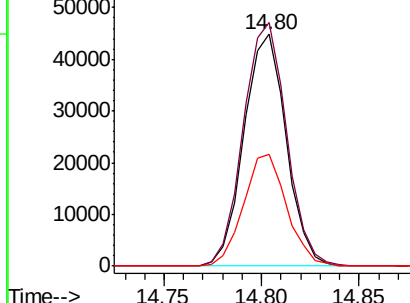
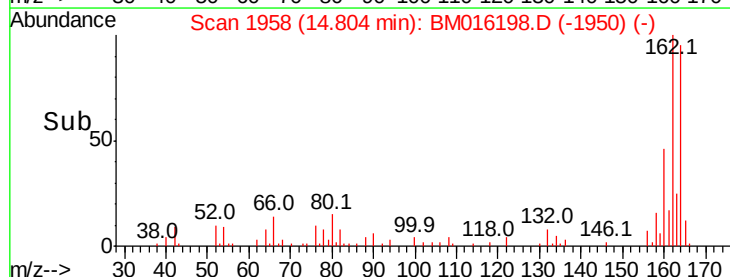
160 48.2 35.8 53.6

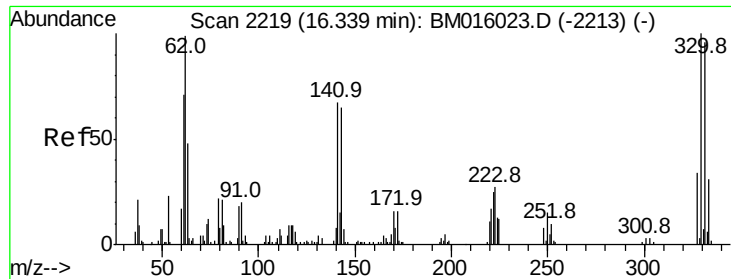


Abundance Ion 164.00 (163.70 to 164.70): BM016198.D (-1950) (-)

Ion 162.00 (161.70 to 162.70): BM016198.D (-1950) (-)

Ion 160.00 (159.70 to 160.70): BM016198.D (-1950) (-)

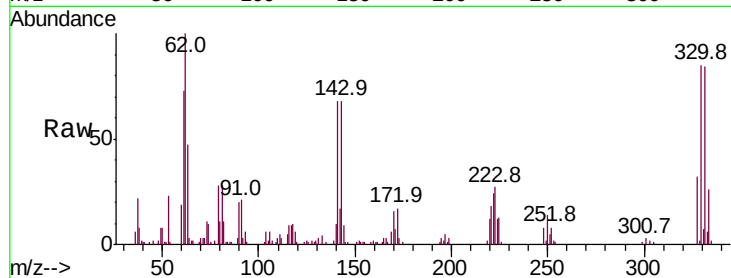




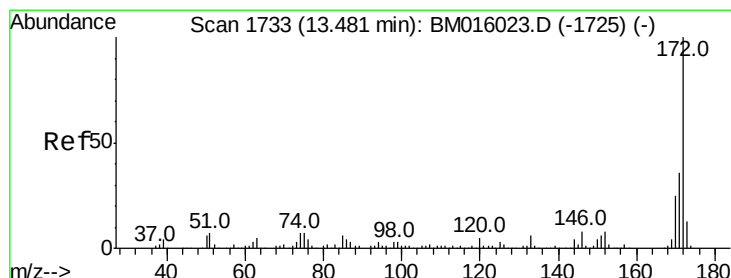
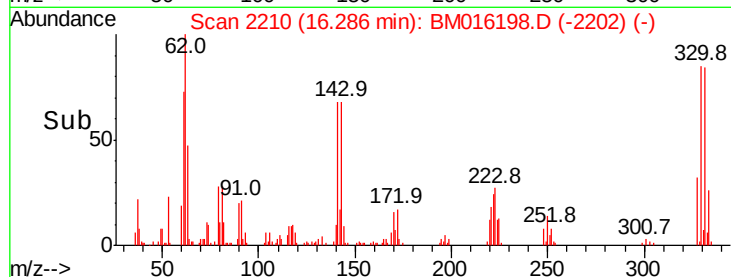
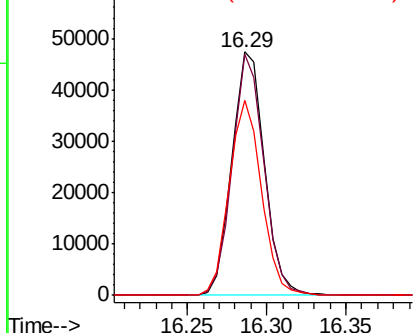
#41  
 2,4,6-Tribromophenol  
 Concen: N.D. ng  
 RT: 16.29 min Scan# 2210  
 Delta R.T. -0.05 min  
 Lab File: BM016198.D  
 Acq: 06 Aug 2018 19:20

Instrument :  
 BNA\_M  
 ClientSampled :  
 SOIL-1

Tot Ion:330 Resp: 67417  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 0.0 0.0#  
 141 79.2 0.0 0.0#

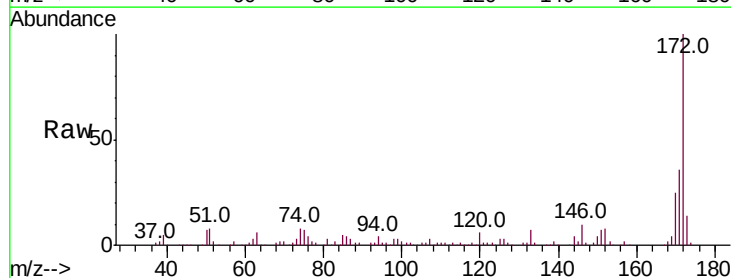


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

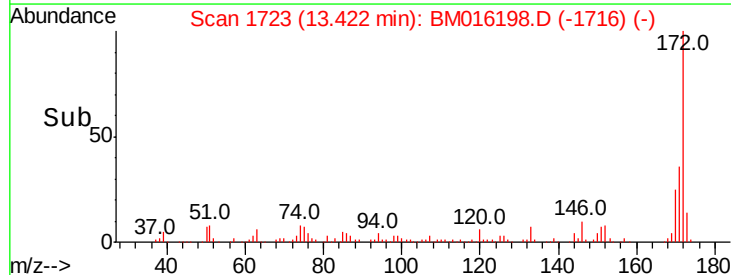
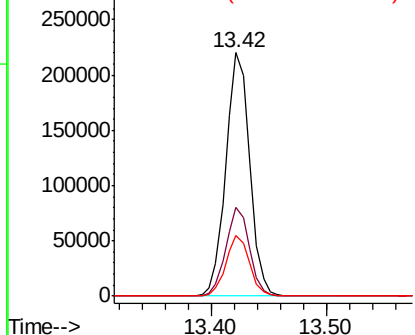


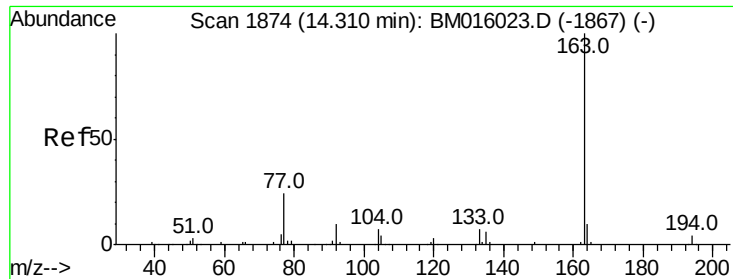
#44  
 2-Fluorobiphenyl  
 Concen: N.D. ng  
 RT: 13.42 min Scan# 1723  
 Delta R.T. -0.06 min  
 Lab File: BM016198.D  
 Acq: 06 Aug 2018 19:20

Tgt Ion:172 Resp: 315397  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 28.5 42.7  
 170 24.7 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: 4.091 ng

RT: 14.26 min Scan# 1865

Delta R.T. -0.05 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

Instrument :

BNA\_M

ClientSampleId :

SOIL-1

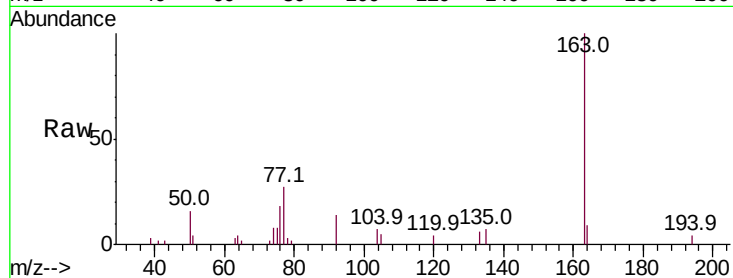
Tot Ion:163 Resp: 24037

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

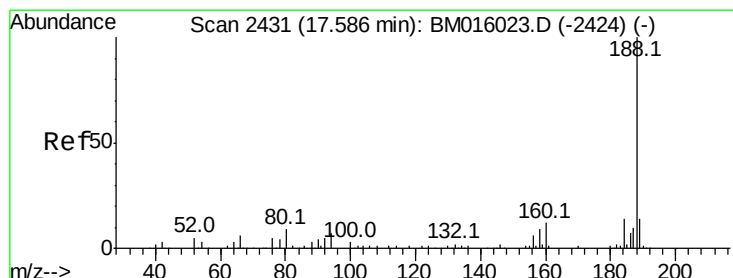
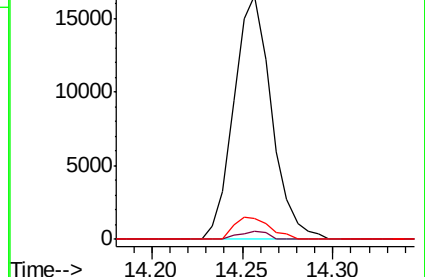
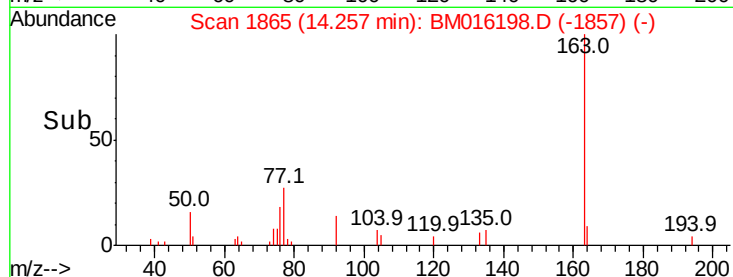
164 8.7 8.2 12.2



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: 17.54 min Scan# 2423

Delta R.T. -0.05 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

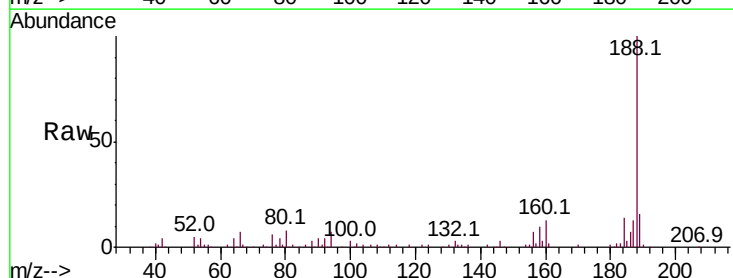
Tgt Ion:188 Resp: 143993

Ion Ratio Lower Upper

188 100

94 7.2 8.7 13.1#

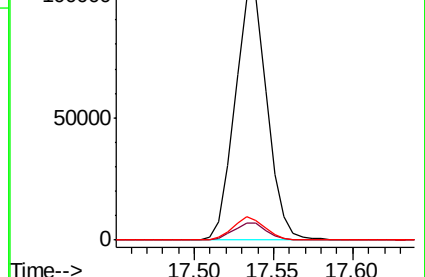
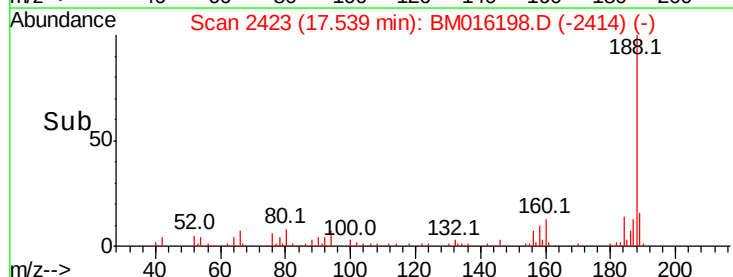
80 8.3 9.3 13.9#

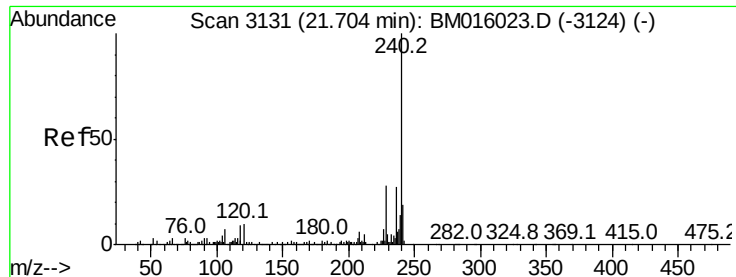


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3124

Delta R.T. -0.04 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

Instrument :

BNA\_M

ClientSampleId :

SOIL-1

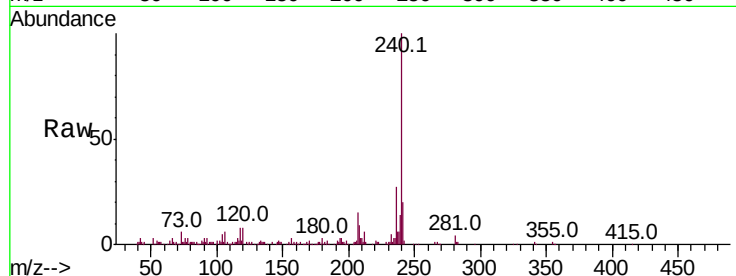
Tot Ion:240 Resp: 160247

Ion Ratio Lower Upper

240 100

120 8.1 8.2 12.2#

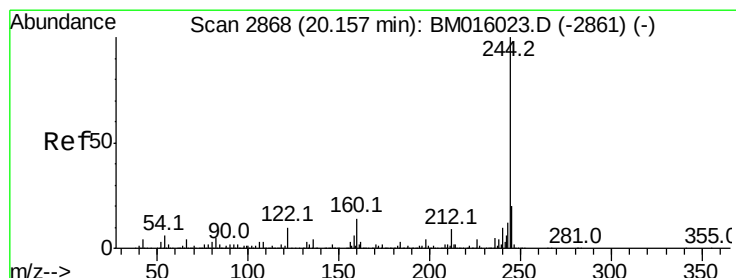
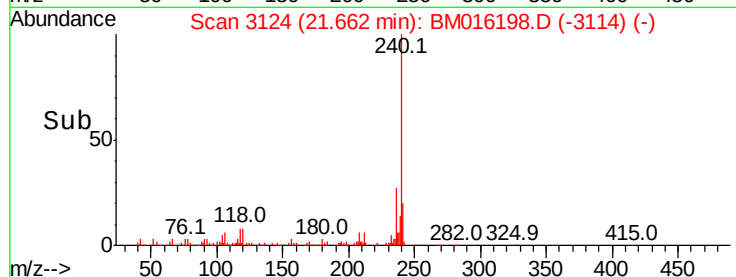
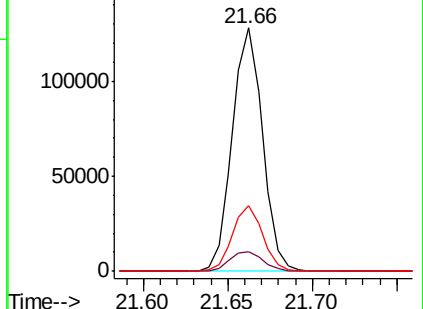
236 27.1 20.0 30.0



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: Below ng

RT: 20.11 min Scan# 2860

Delta R.T. -0.05 min

Lab File: BM016198.D

Acq: 06 Aug 2018 19:20

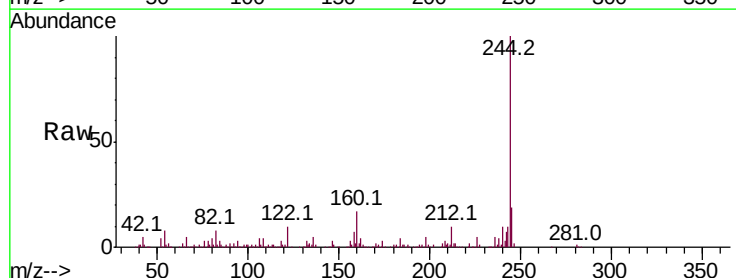
Tgt Ion:244 Resp: 252964

Ion Ratio Lower Upper

244 100

212 10.3 4.9 7.3#

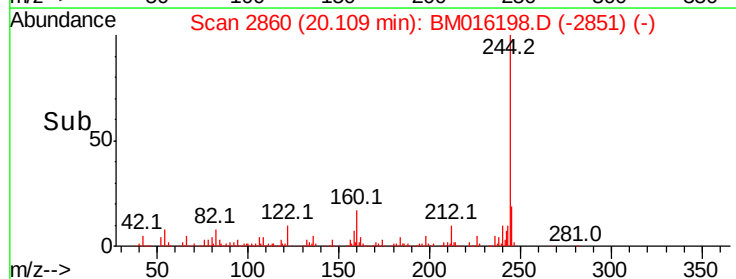
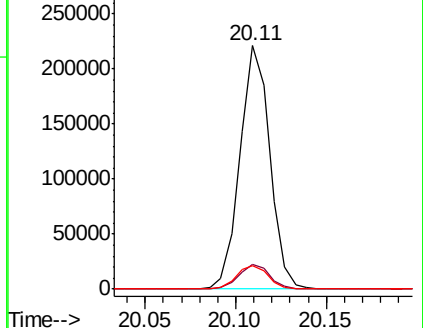
122 9.9 6.2 9.4#



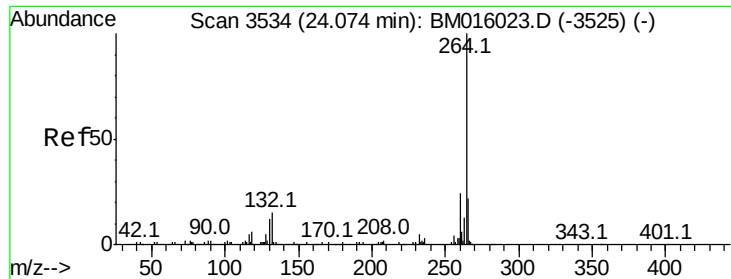
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



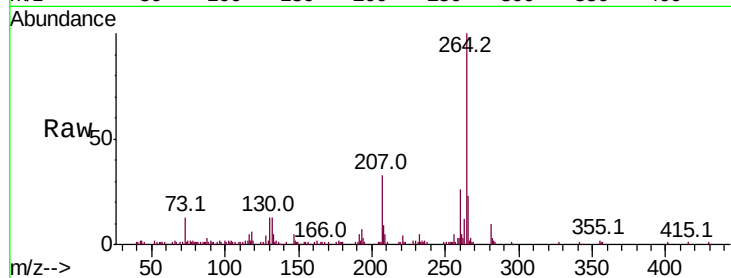




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.01 min Scan# 3524  
 Delta R.T. -0.06 min  
 Lab File: BM016198.D  
 Acq: 06 Aug 2018 19:20

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SOIL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 26.0  | 18.6  | 27.8  |
| 265     | 23.3  | 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

