

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122018\  
 Data File : BM018346.D  
 Acq On : 21 Dec 2018 00:48  
 Operator : JU/SJ  
 Sample : J6347-04  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SD002-0006-01

Quant Time: Dec 21 03:38:00 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 15 21:39:37 2018  
 Response via : Initial Calibration

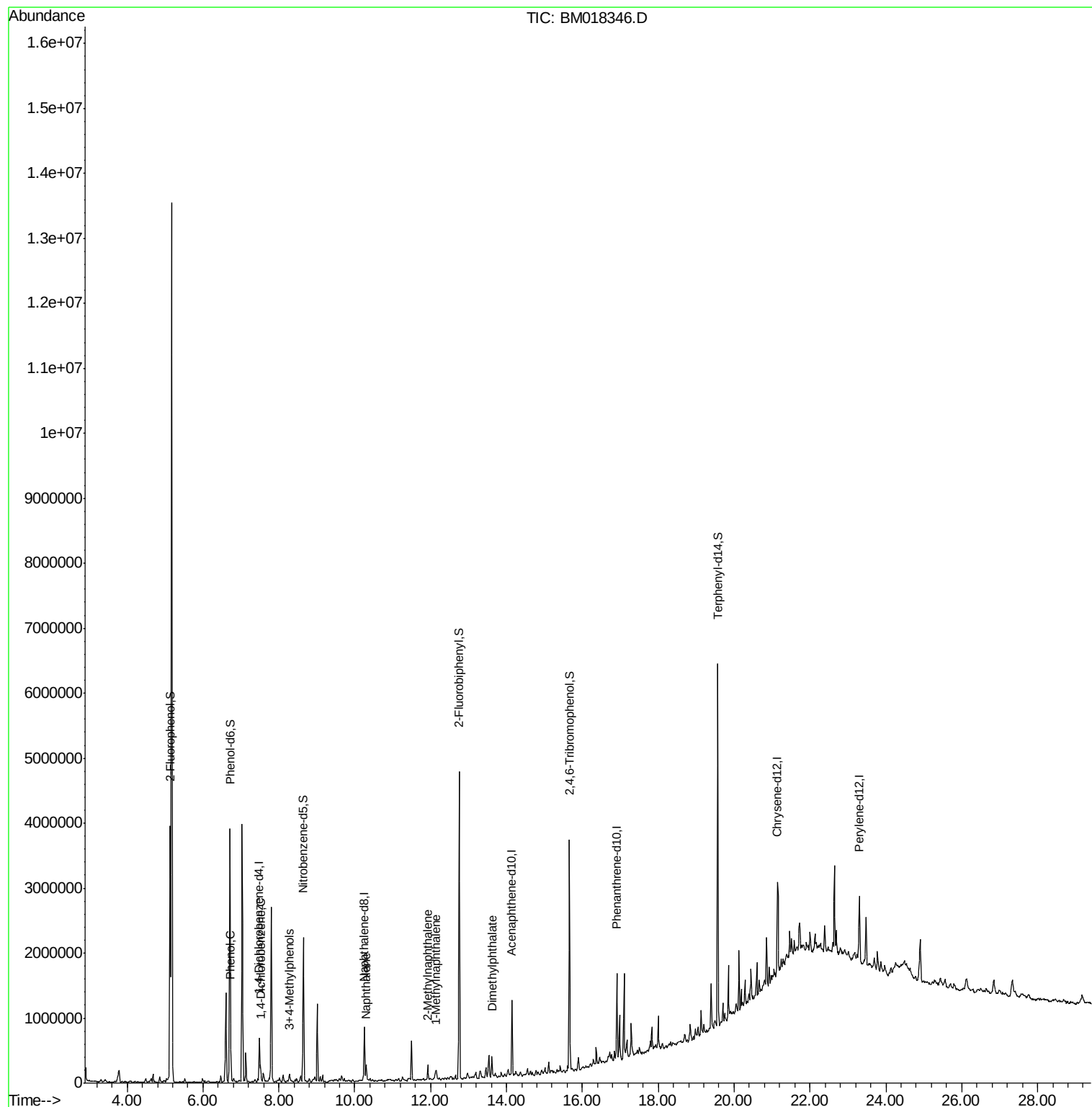
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.49  | 152  | 160657   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.25 | 136  | 638843   | 20.00  | ng    | -0.02     |
| 39) Acenaphthene-d10        | 14.14 | 164  | 352930   | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 16.92 | 188  | 676711   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 21.13 | 240  | 630744   | 20.00  | ng    | -0.01     |
| 87) Perylene-d12            | 23.30 | 264  | 672859   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.13  | 112  | 1473293  | 153.19 | ng    | 0.00      |
| 7) Phenol-d6                | 6.71  | 99   | 2025777  | 151.55 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.65  | 82   | 1290727  | 103.63 | ng    | -0.01     |
| 42) 2,4,6-Tribromophenol    | 15.66 | 330  | 572593   | 110.54 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 12.76 | 172  | 2263376  | 83.06  | ng    | -0.01     |
| 79) Terphenyl-d14           | 19.57 | 244  | 2308887  | 82.79  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.73  | 94   | 155355   | 10.974 | ng    | Qvalue 93 |
| 13) 1,4-Dichlorobenzene     | 7.52  | 146  | 82082    | 6.370  | ng    | 90        |
| 20) 3+4-Methylphenols       | 8.29  | 107  | 36070    | 2.723  | ng    | 92        |
| 31) Naphthalene             | 10.30 | 128  | 168546   | 5.396  | ng    | 99        |
| 37) 2-Methylnaphthalene     | 11.93 | 142  | 101159   | 4.592  | ng    | 98        |
| 38) 1-Methylnaphthalene     | 12.15 | 142  | 56398    | 2.624  | ng    | # 98      |
| 50) Dimethylphthalate       | 13.62 | 163  | 144272   | 4.917  | ng    | 100       |

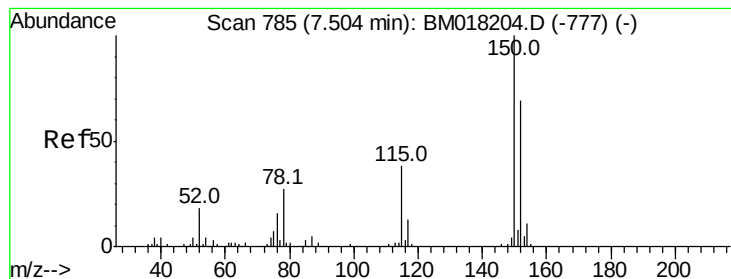
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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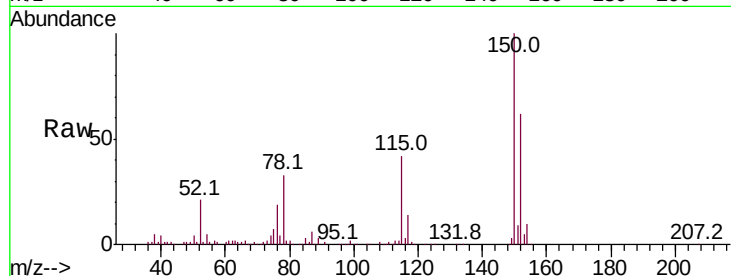


#1

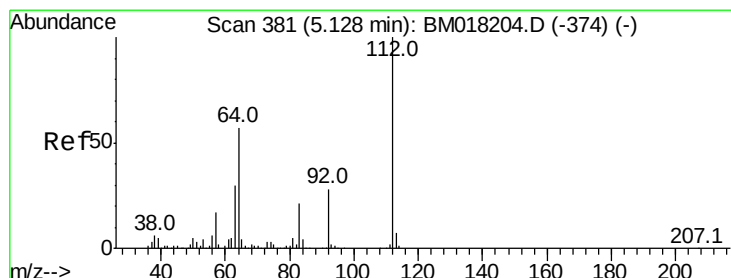
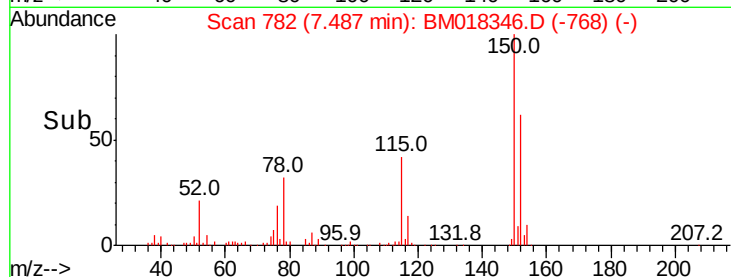
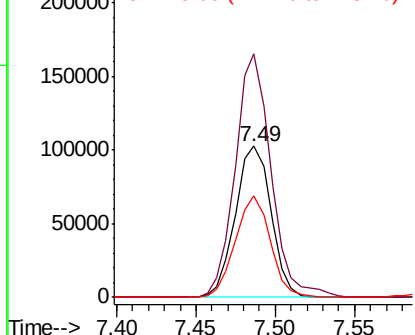
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.49 min Scan# 782  
Delta R.T. -0.02 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD002-0006-01

Tot Ion:152 Resp: 160657  
Ion Ratio Lower Upper  
152 100  
150 161.4 116.1 174.1  
115 67.5 44.6 67.0#



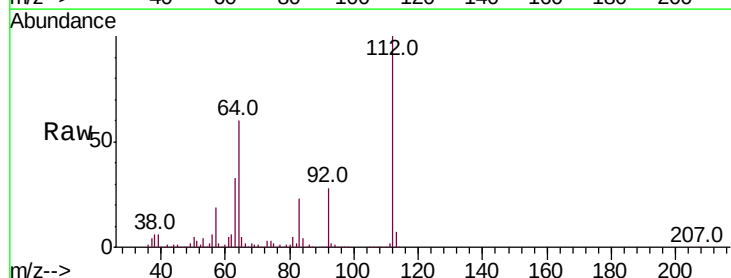
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



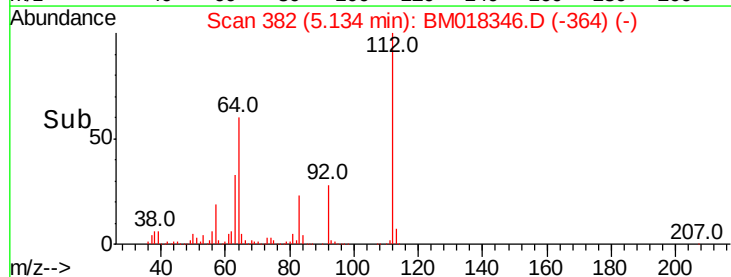
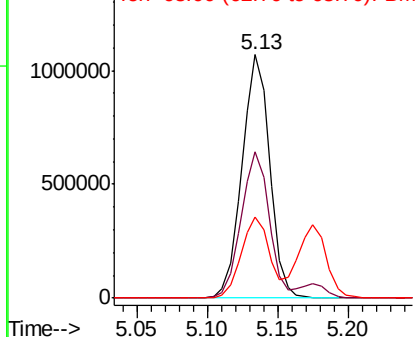
#5

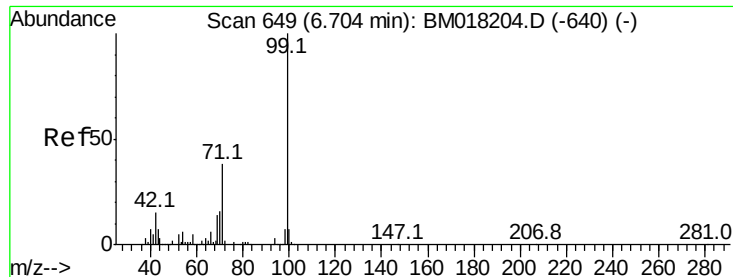
2-Fluorophenol  
Concen: 153.191 ng  
RT: 5.13 min Scan# 382  
Delta R.T. 0.01 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

Tgt Ion:112 Resp: 1473293  
Ion Ratio Lower Upper  
112 100  
64 60.1 45.4 68.2  
63 33.4 24.0 36.0



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: 151.546 ng

RT: 6.71 min Scan# 650

Delta R.T. 0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

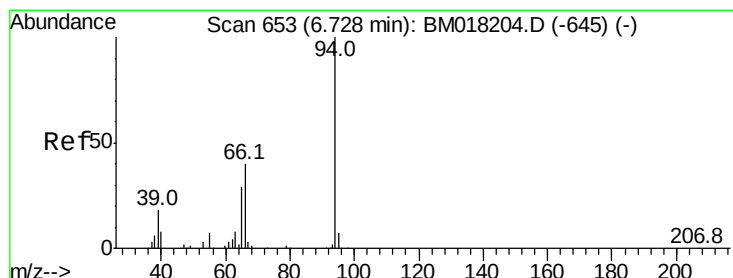
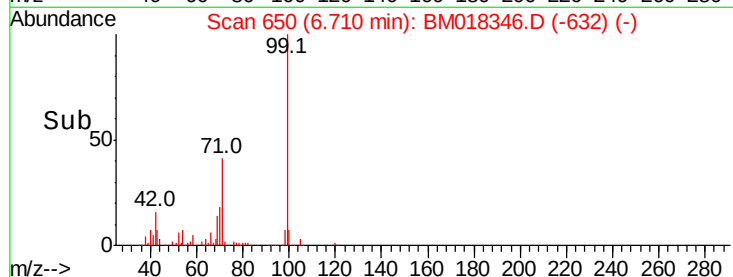
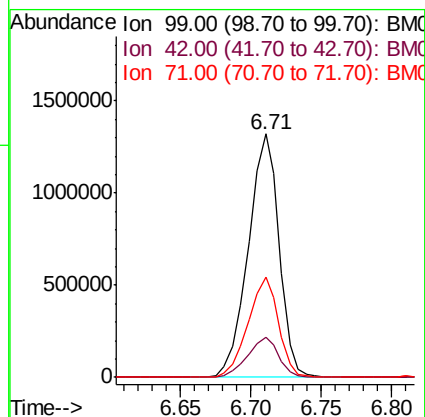
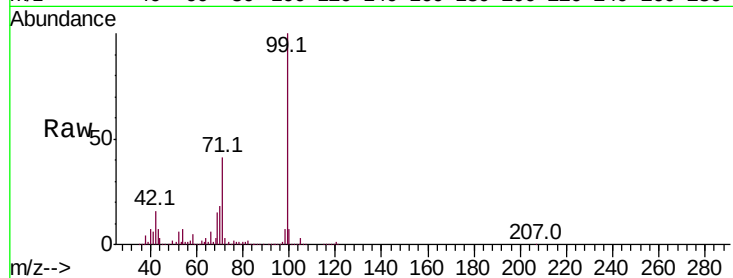
BNA\_M

ClientSampleId :

P001-SD002-0006-01

Tot Ion: 99 Resp: 2025777

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.4  | 12.3  | 18.5  |
| 71  | 41.1  | 30.2  | 45.2  |



#10

Phenol

Concen: 10.974 ng

RT: 6.73 min Scan# 654

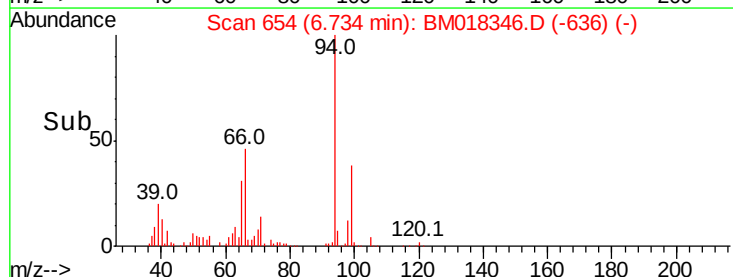
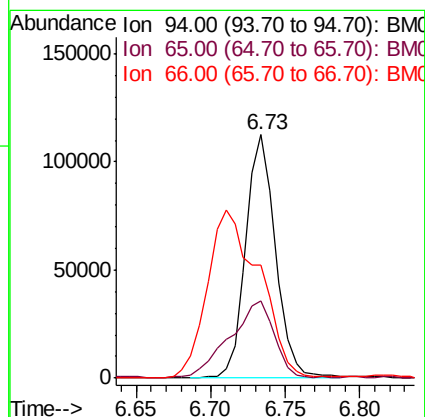
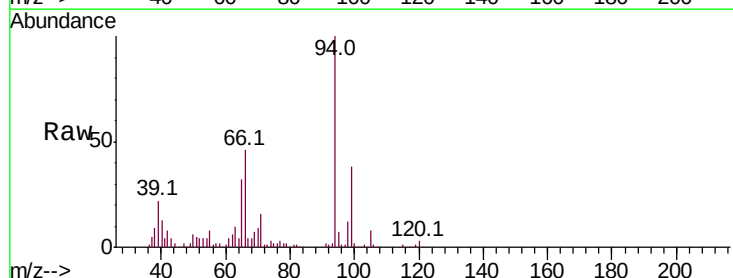
Delta R.T. 0.01 min

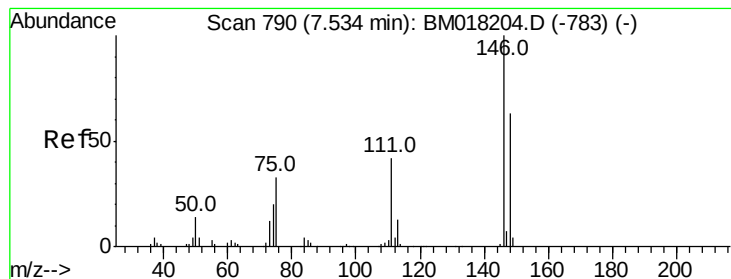
Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Tgt Ion: 94 Resp: 155355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.7  | 9.5   | 49.5  |
| 66  | 46.5  | 21.3  | 61.3  |





#13

1,4-Dichlorobenzene

Concen: 6.370 ng

RT: 7.52 min Scan# 788

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

BNA\_M

ClientSampleId :

P001-SD002-0006-01

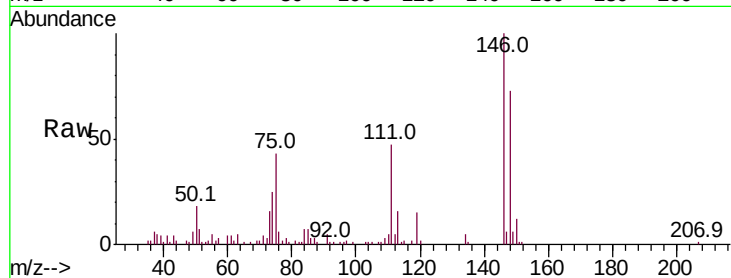
Tot Ion:146 Resp: 82082

Ion Ratio Lower Upper

146 100

148 72.5 50.7 76.1

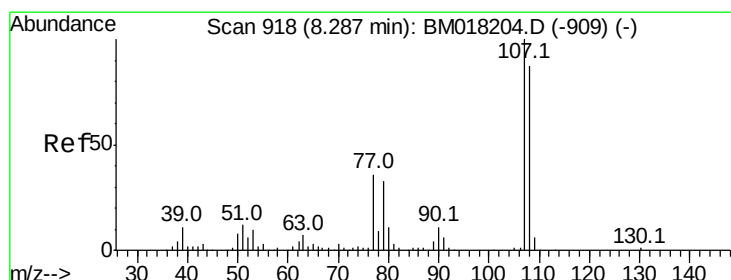
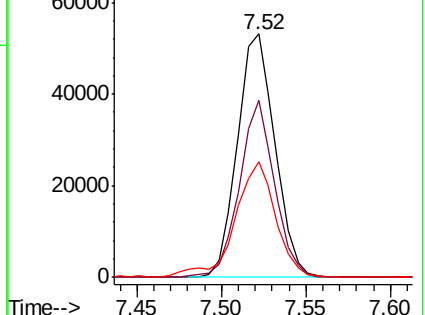
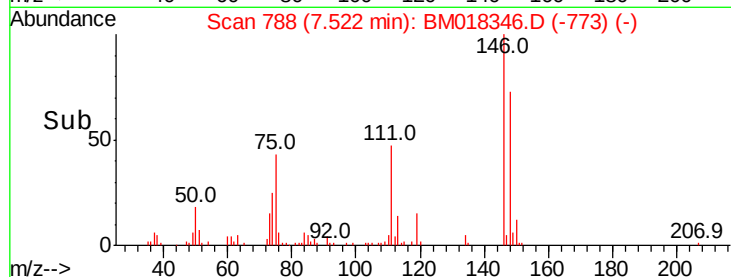
111 47.4 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#20

3+4-Methylphenols

Concen: 2.723 ng

RT: 8.29 min Scan# 918

Delta R.T. -0.00 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Tgt Ion:107 Resp: 36070

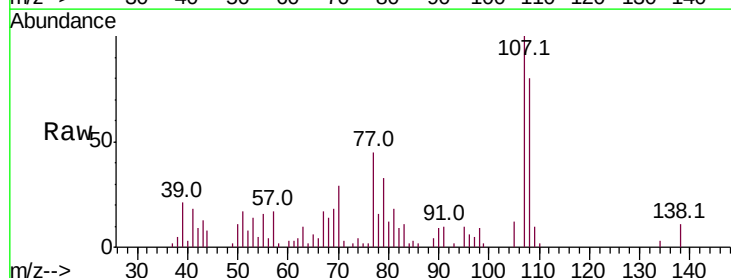
Ion Ratio Lower Upper

107 100

108 80.0 67.4 107.4

77 44.5 15.7 55.7

79 33.1 13.3 53.3

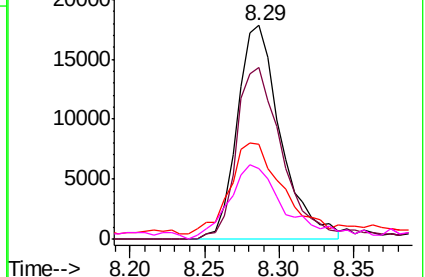
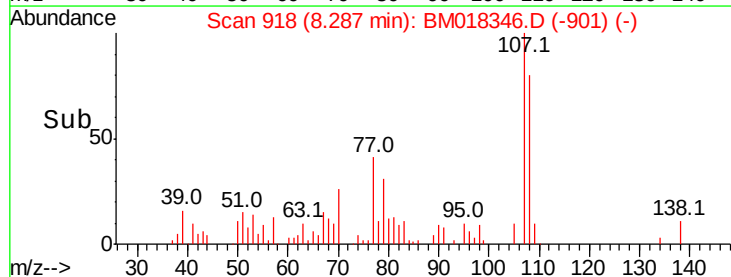


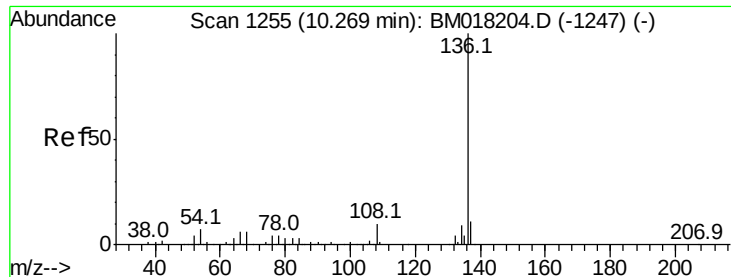
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0

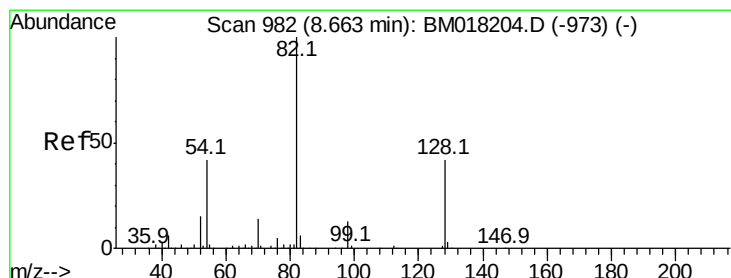
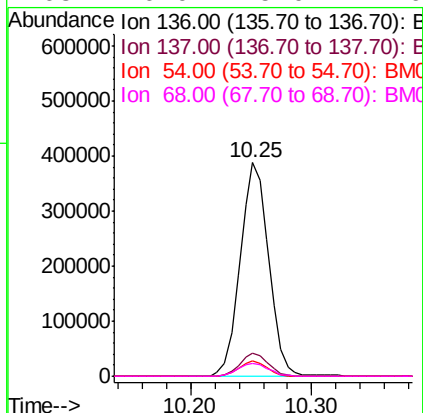
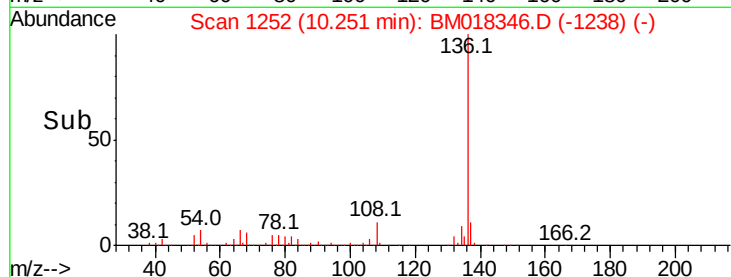
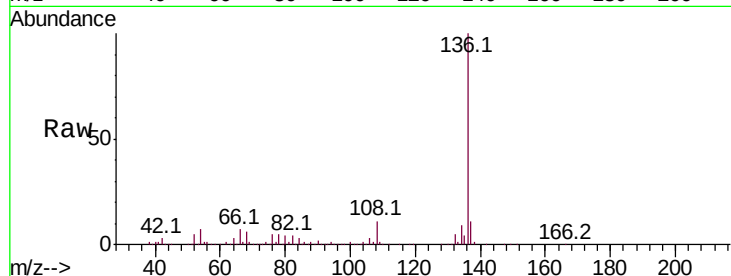




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.25 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

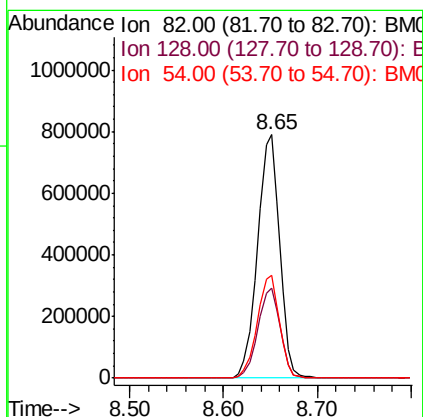
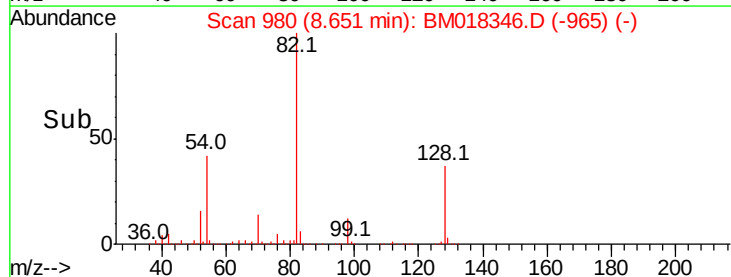
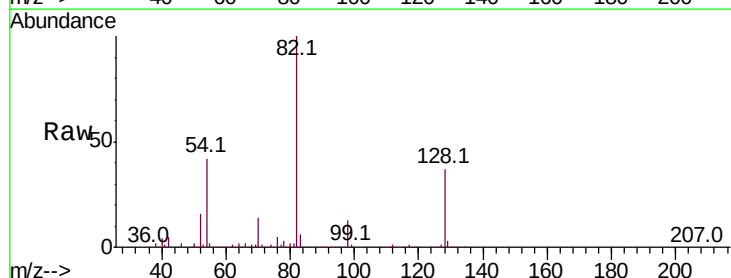
Instrument :  
BNA\_M  
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P001-SD002-0006-01

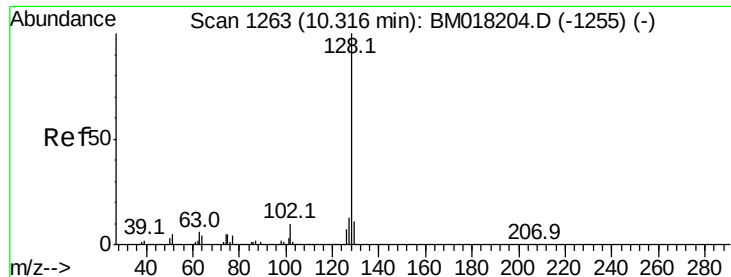
Tot Ion:136 Resp: 638843  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.2 13.8  
54 6.9 5.2 7.8  
68 6.0 5.0 7.6



#23  
Nitrobenzene-d5  
Concen: 103.634 ng  
RT: 8.65 min Scan# 980  
Delta R.T. -0.01 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

Tgt Ion: 82 Resp: 1290727  
Ion Ratio Lower Upper  
82 100  
128 36.9 33.4 50.2  
54 42.2 33.4 50.2





#31

Naphthalene

Concen: 5.396 ng

RT: 10.30 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

BNA\_M

ClientSampleId :

P001-SD002-0006-01

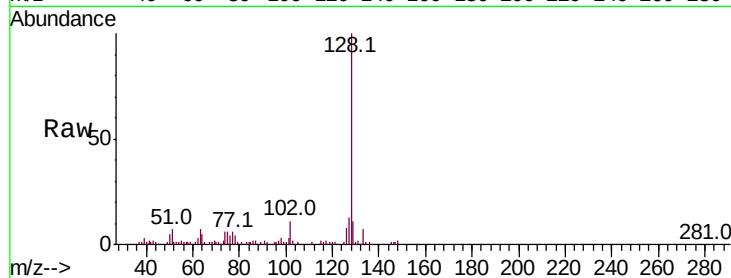
Tot Ion:128 Resp: 168546

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

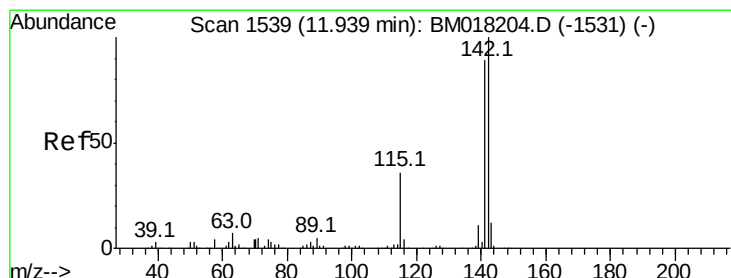
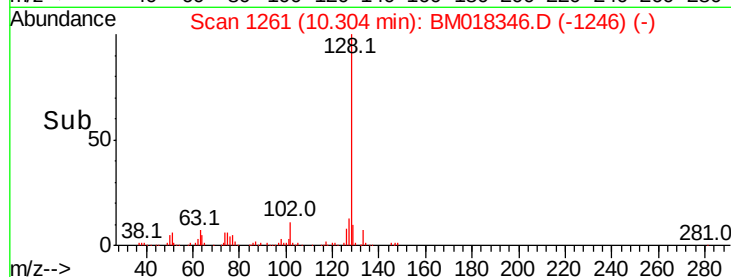
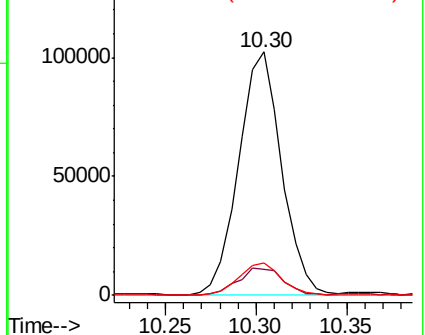
127 13.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 4.592 ng

RT: 11.93 min Scan# 1537

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

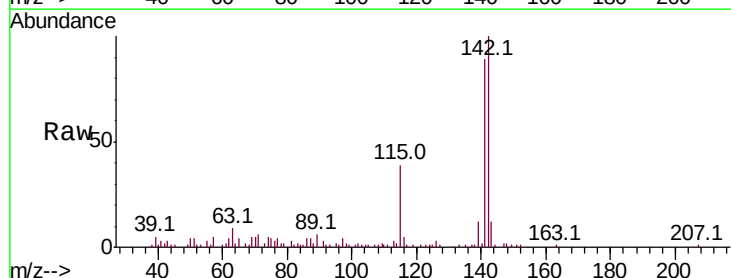
Tgt Ion:142 Resp: 101159

Ion Ratio Lower Upper

142 100

141 88.9 71.4 107.2

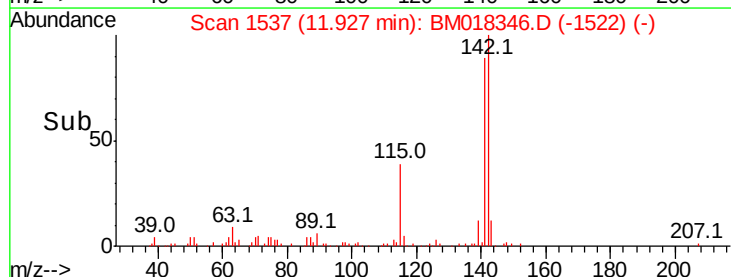
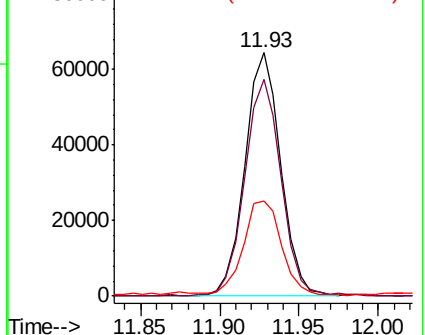
115 39.2 29.0 43.6

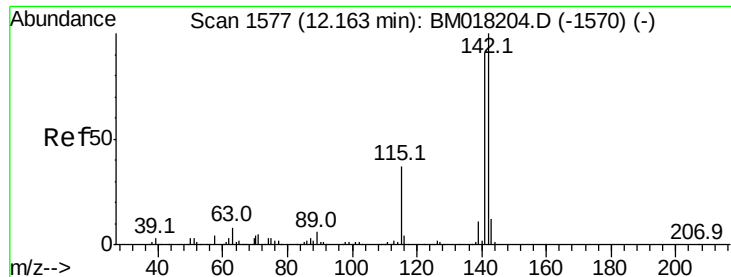


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

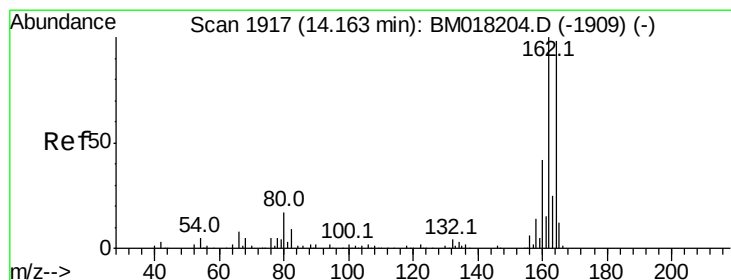
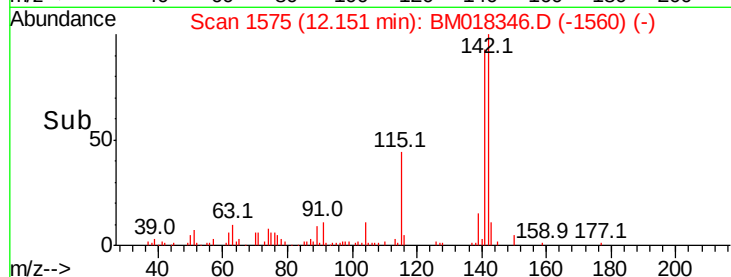
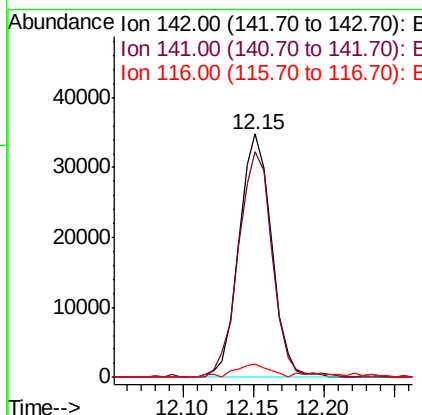
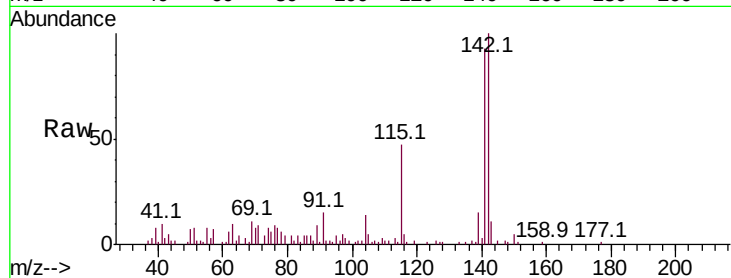




#38  
1-Methylnaphthalene  
Concen: 2.624 ng  
RT: 12.15 min Scan# 1575  
Delta R.T. -0.01 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

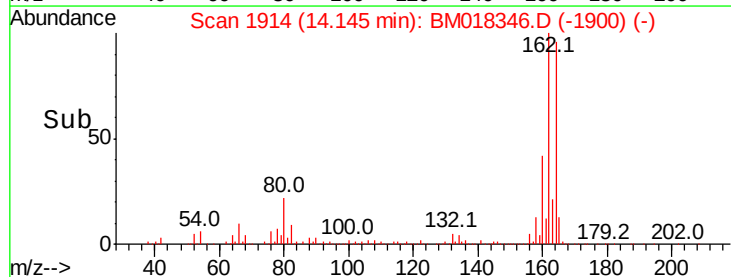
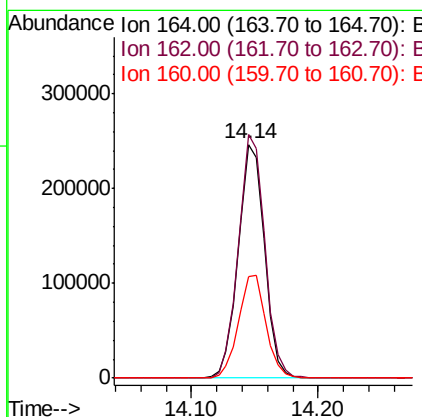
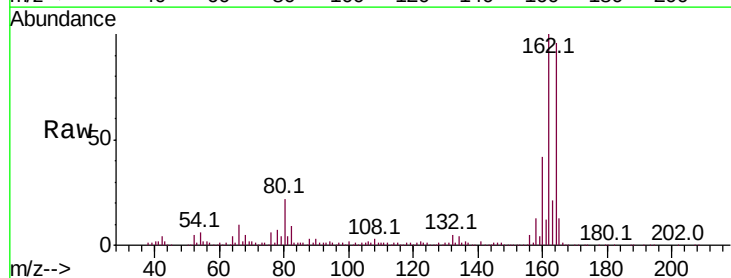
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD002-0006-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.6  | 73.0  | 109.4 |
| 116     | 5.4   | 3.0   | 4.6#  |

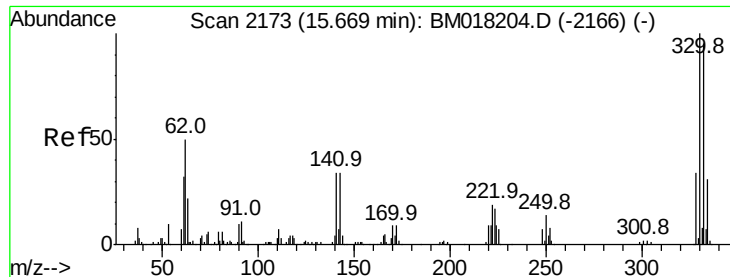


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.14 min Scan# 1914  
Delta R.T. -0.02 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.1 | 81.8  | 122.6 |
| 160     | 43.3  | 34.6  | 51.8  |







#42

2,4,6-Tribromophenol

Concen: 110.538 ng

RT: 15.66 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

BNA\_M

ClientSampleId :

P001-SD002-0006-01

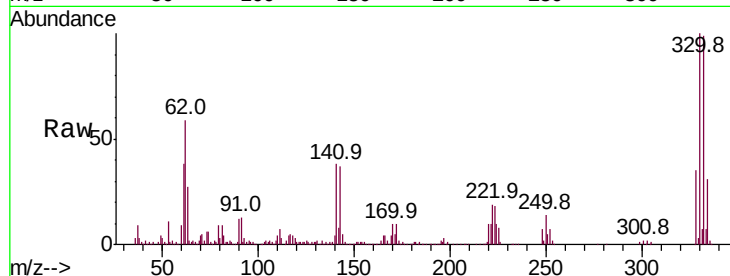
Tot Ion:330 Resp: 572593

Ion Ratio Lower Upper

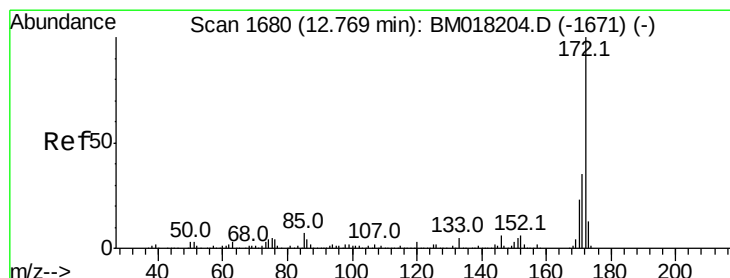
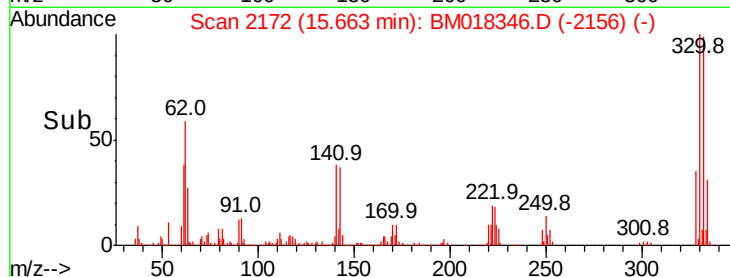
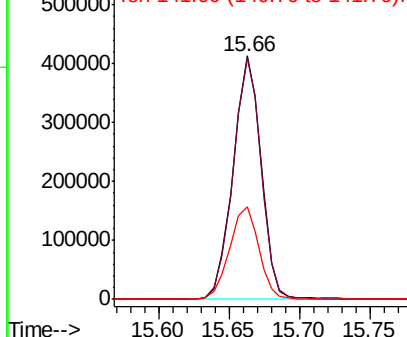
330 100

332 98.9 78.6 118.0

141 39.1 27.1 40.7



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



#45

2-Fluorobiphenyl

Concen: 83.065 ng

RT: 12.76 min Scan# 1678

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

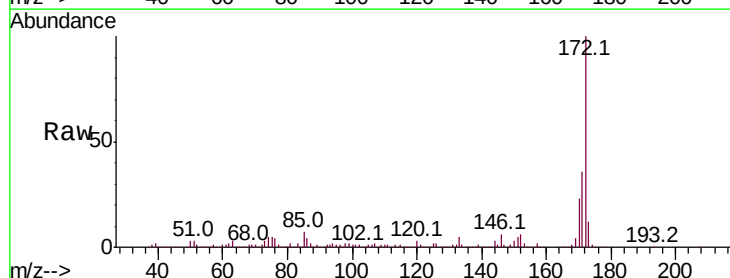
Tgt Ion:172 Resp: 2263376

Ion Ratio Lower Upper

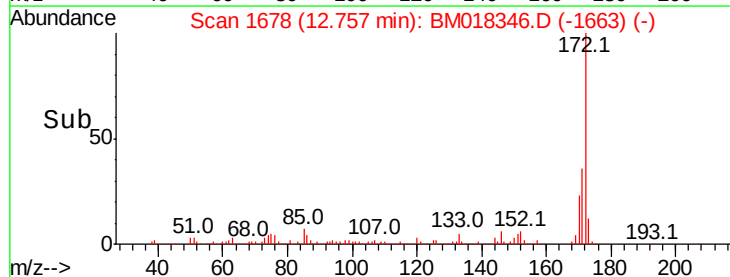
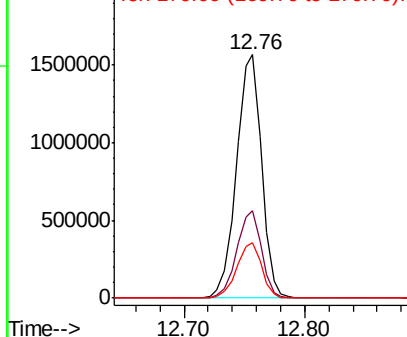
172 100

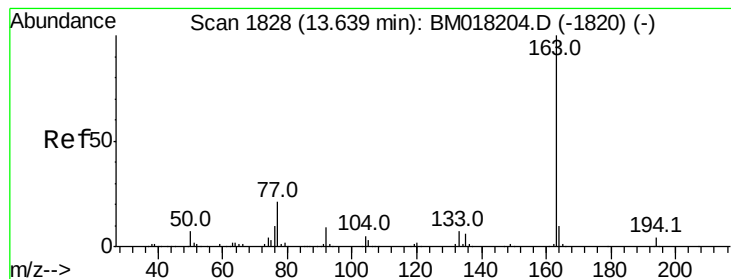
171 35.8 28.3 42.5

170 22.7 18.1 27.1



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





#50

Dimethylphthalate

Concen: 4.917 ng

RT: 13.62 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

BNA\_M

ClientSampleId :

P001-SD002-0006-01

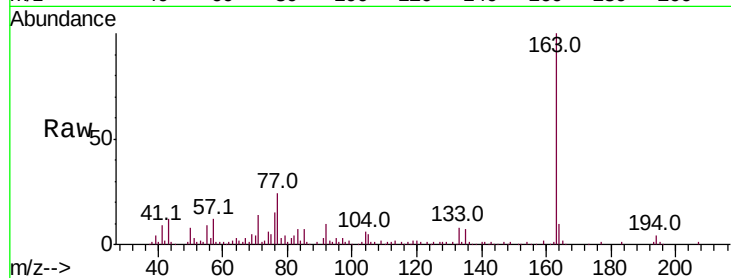
Tot Ion:163 Resp: 144272

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

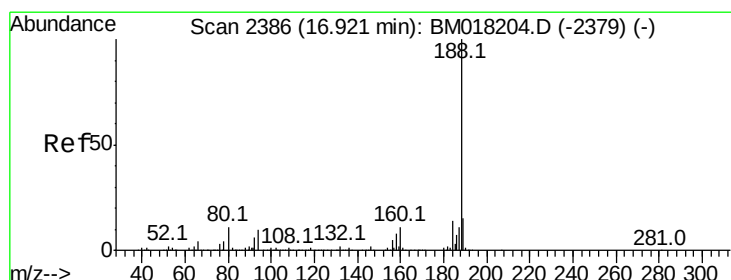
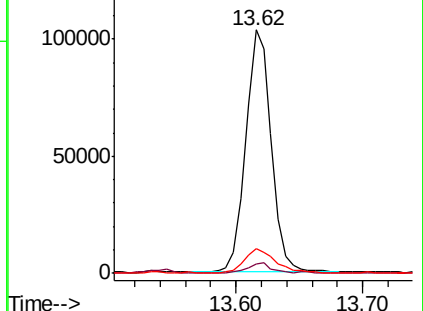
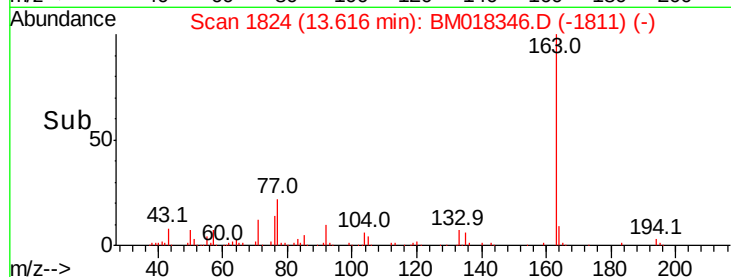
164 10.0 7.9 11.9



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

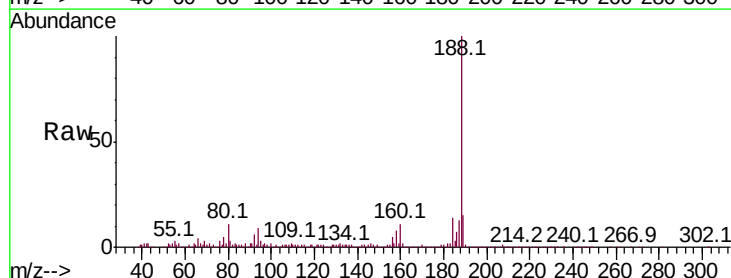
Tgt Ion:188 Resp: 676711

Ion Ratio Lower Upper

188 100

94 9.1 8.0 12.0

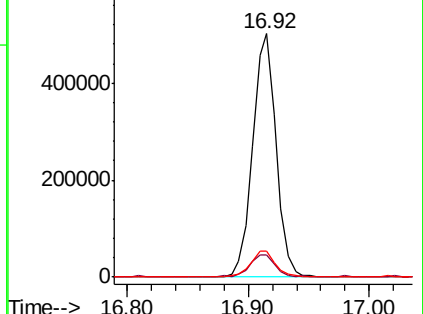
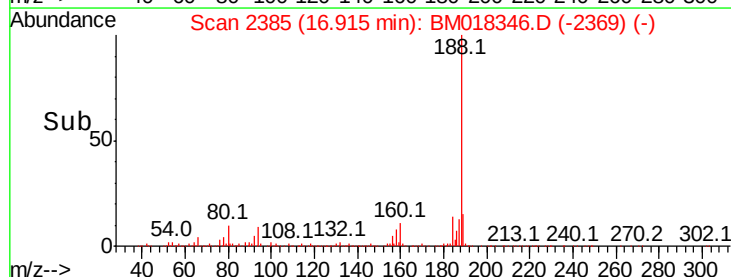
80 10.5 9.0 13.6

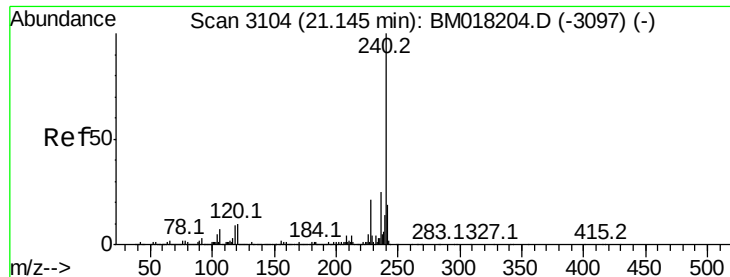


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

Instrument :

BNA\_M

ClientSampleId :

P001-SD002-0006-01

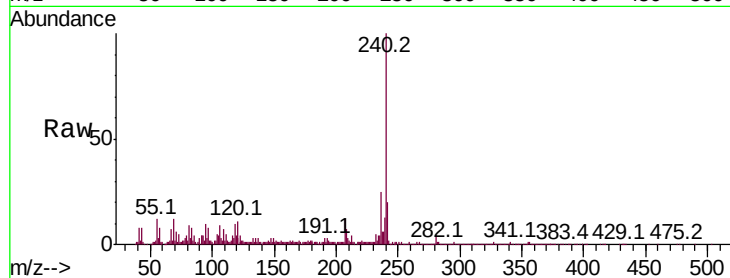
Tot Ion:240 Resp: 630744

Ion Ratio Lower Upper

240 100

120 11.2 8.2 12.2

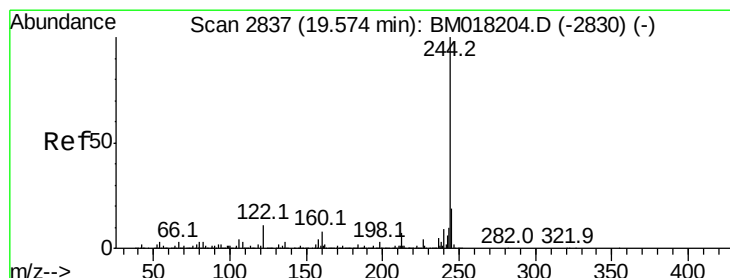
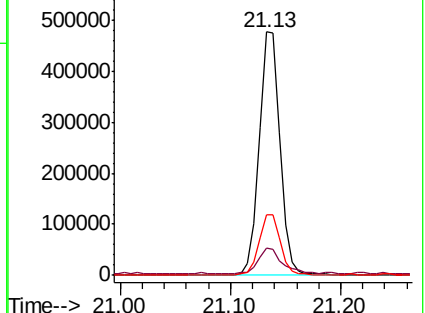
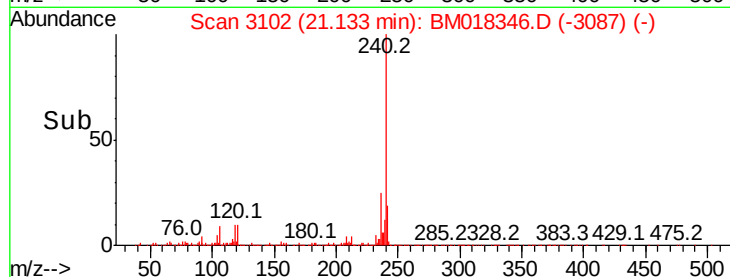
236 25.1 20.3 30.5



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



#79

Terphenyl-d14

Concen: 82.789 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018346.D

Acq: 21 Dec 2018 00:48

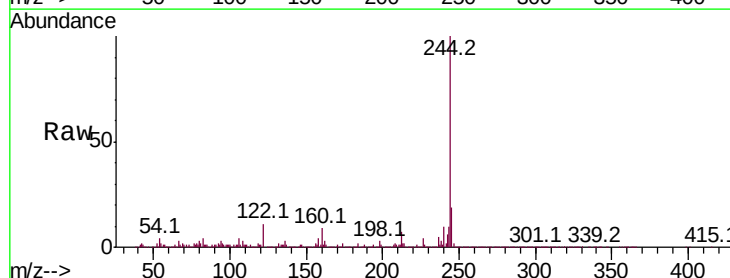
Tgt Ion:244 Resp: 2308887

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

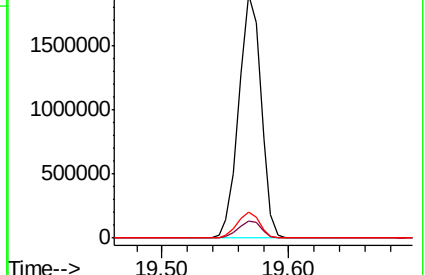
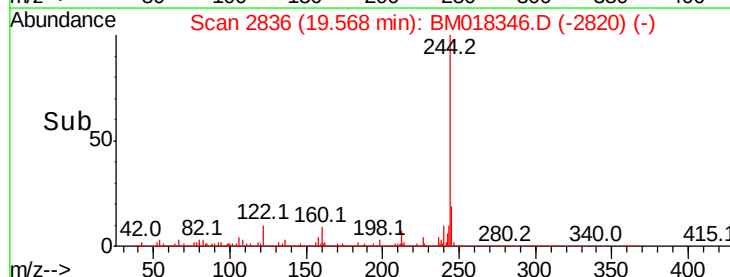
122 10.6 9.0 13.6

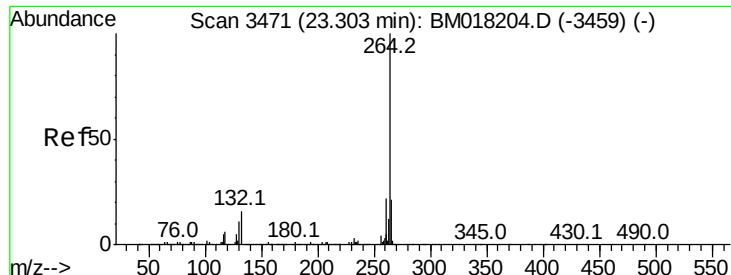


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

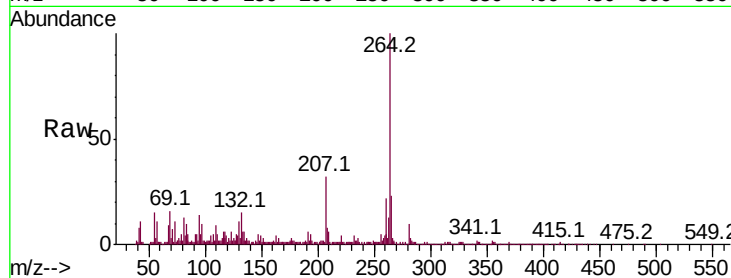




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.30 min Scan# 3471  
Delta R.T. -0.00 min  
Lab File: BM018346.D  
Acq: 21 Dec 2018 00:48

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SD002-0006-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 17.5  | 26.3  |
| 265     | 22.6  | 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

