

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM122118\  
 Data File : BM018356.D  
 Acq On : 21 Dec 2018 12:30  
 Operator : JU/SJ  
 Sample : J6389-05  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS013-0006-01

Quant Time: Dec 22 03:48:49 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

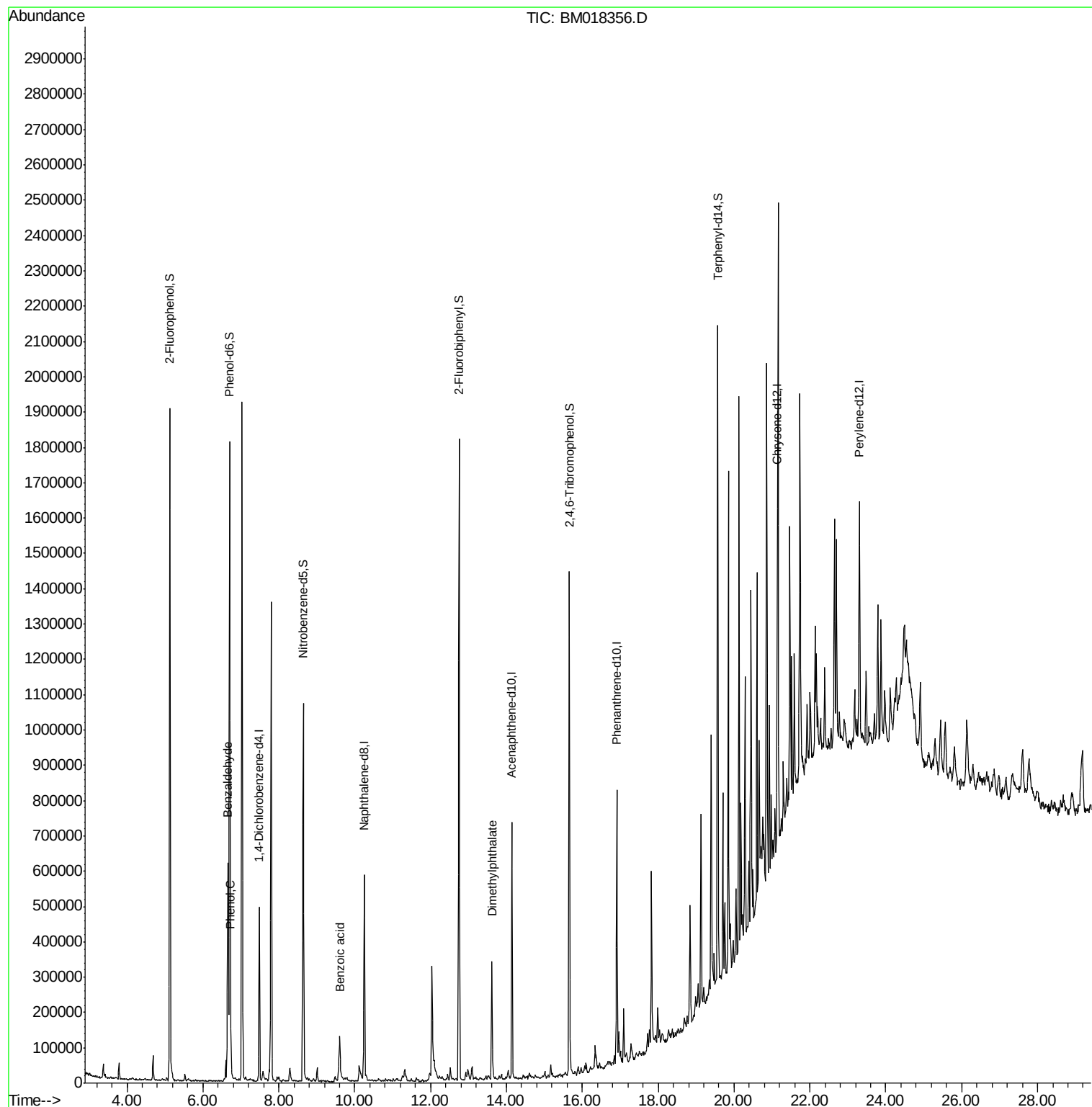
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.48  | 152  | 116065   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.25 | 136  | 438474   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.15 | 164  | 212959   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 16.91 | 188  | 397947   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.14 | 240  | 392653   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.30 | 264  | 443930   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.13  | 112  | 705118   | 101.49 | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 934882   | 96.81  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.65  | 82   | 632889   | 74.04  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.66 | 330  | 233460   | 74.69  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.75 | 172  | 860067   | 52.31  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.57 | 244  | 744322   | 42.87  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 9) Benzaldehyde             | 6.65  | 77   | 217858   | 37.011 | ng    | 89       |
| 10) Phenol                  | 6.73  | 94   | 93046    | 9.098  | ng    | 89       |
| 32) Benzoic acid            | 9.61  | 122  | 53039    | 9.277  | ng    | 87       |
| 50) Dimethylphthalate       | 13.62 | 163  | 187125   | 10.569 | ng    | 99       |

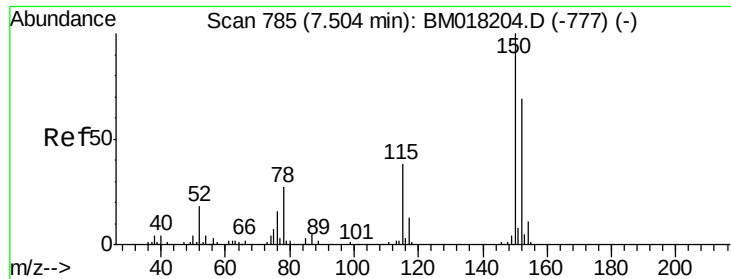
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM122118\  
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QLast Update : Sat Dec 15 21:39:37 2018  
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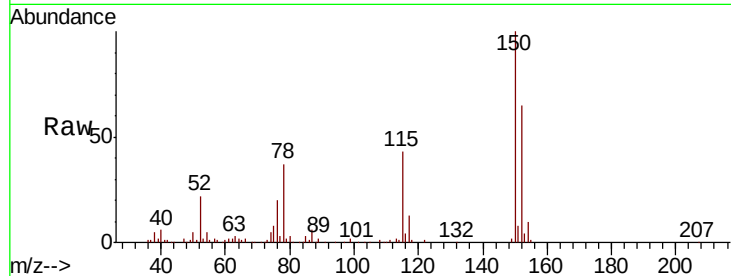


#1

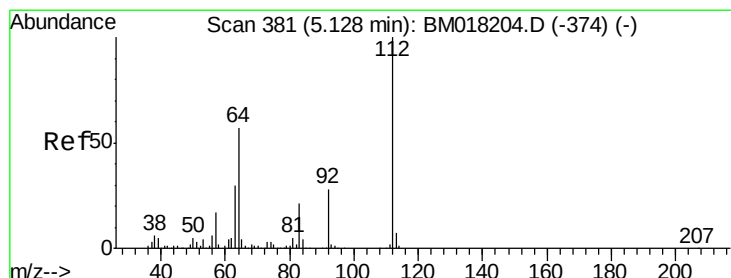
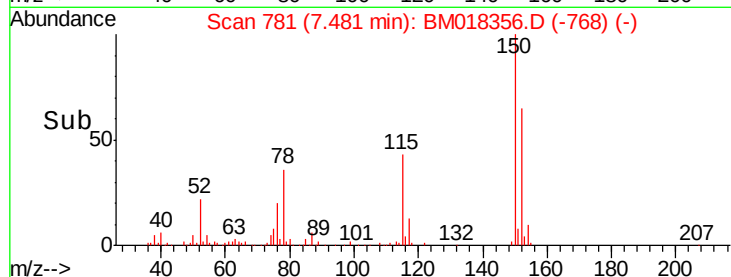
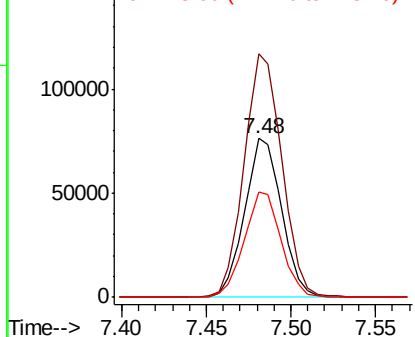
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.48 min Scan# 781  
Delta R.T. -0.02 min  
Lab File: BM018356.D  
Acq: 21 Dec 2018 12:30

Instrument :  
BNA\_M  
ClientSampleId :  
P001-SS013-0006-01

Tgt Ion:152 Resp: 116065  
Ion Ratio Lower Upper  
152 100  
150 153.2 116.1 174.1  
115 66.1 44.6 67.0



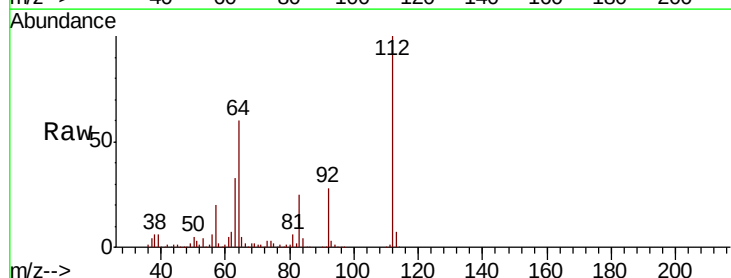
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



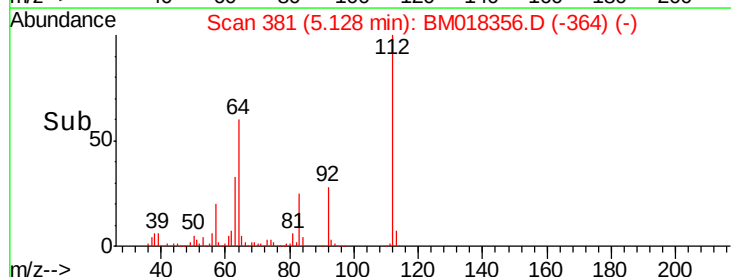
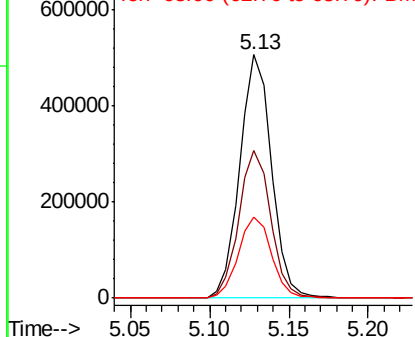
#5

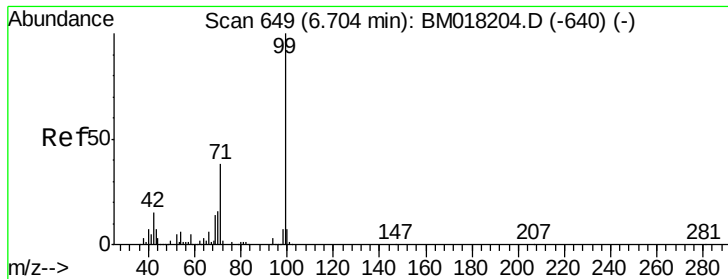
2-Fluorophenol  
Concen: 101.485 ng  
RT: 5.13 min Scan# 381  
Delta R.T. -0.00 min  
Lab File: BM018356.D  
Acq: 21 Dec 2018 12:30

Tgt Ion:112 Resp: 705118  
Ion Ratio Lower Upper  
112 100  
64 60.4 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: 96.807 ng

RT: 6.70 min Scan# 648

Delta R.T. -0.01 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

Instrument :

BNA\_M

ClientSampleId :

P001-SS013-0006-01

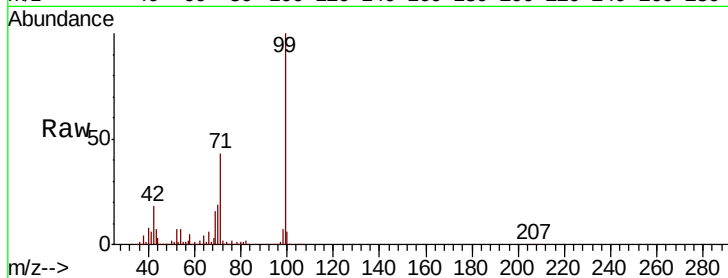
Tgt Ion: 99 Resp: 934882

Ion Ratio Lower Upper

99 100

42 17.6 12.3 18.5

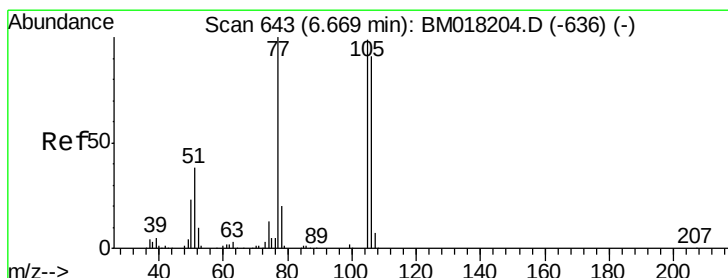
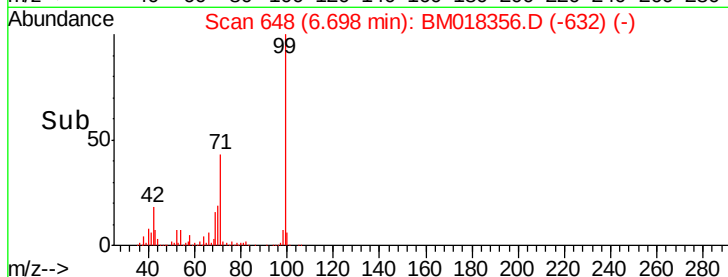
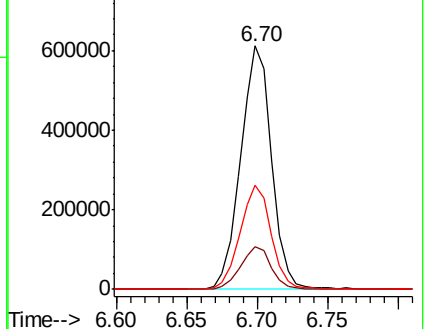
71 42.5 30.2 45.2



Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)



#9

Benzaldehyde

Concen: 37.011 ng

RT: 6.65 min Scan# 640

Delta R.T. -0.02 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

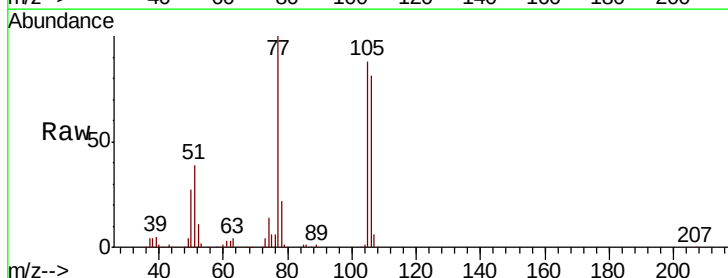
Tgt Ion: 77 Resp: 217858

Ion Ratio Lower Upper

77 100

105 88.0 78.8 118.8

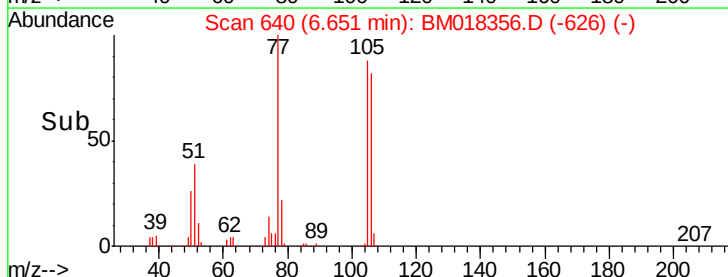
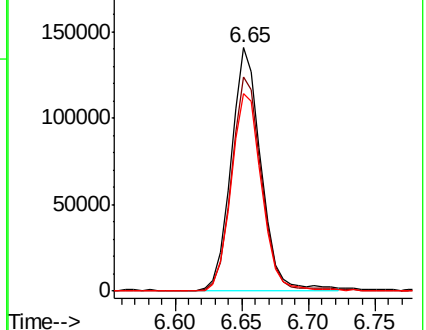
106 81.0 70.7 110.7

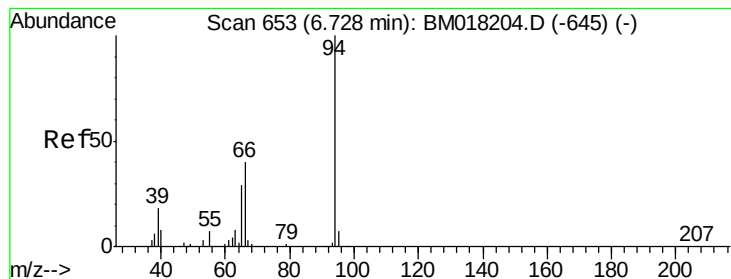


Abundance Ion 77.00 (76.70 to 77.70): BM018204.D (-636) (-)

Ion 105.00 (104.70 to 105.70): BM018204.D (-636) (-)

Ion 106.00 (105.70 to 106.70): BM018204.D (-636) (-)





#10

Phenol

Concen: 9.098 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

Instrument :

BNA\_M

ClientSampleId :

P001-SS013-0006-01

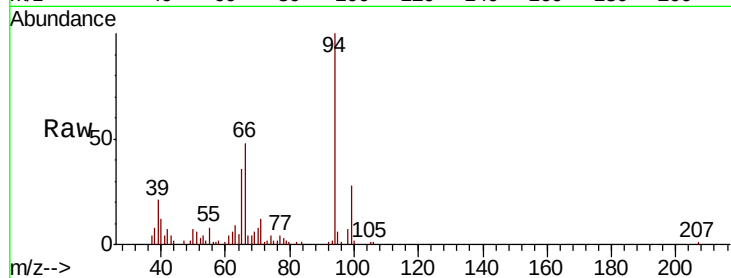
Tgt Ion: 94 Resp: 93046

Ion Ratio Lower Upper

94 100

65 35.6 9.5 49.5

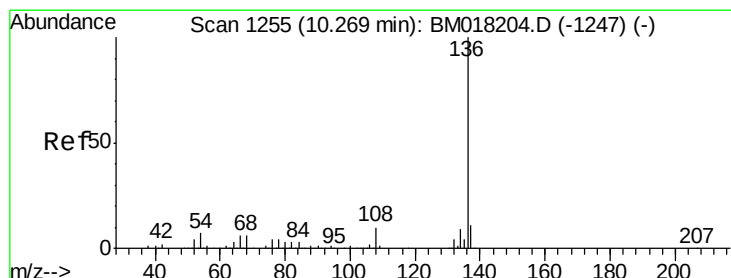
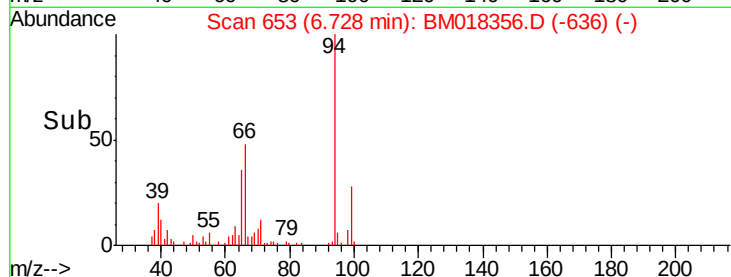
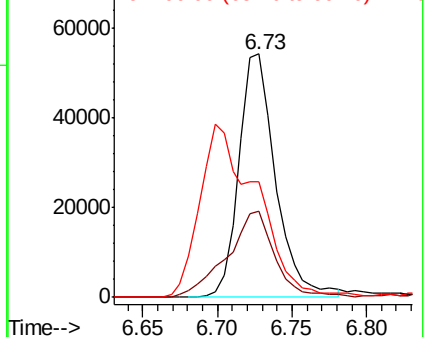
66 47.7 21.3 61.3



Abundance Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

Tgt Ion: 136 Resp: 438474

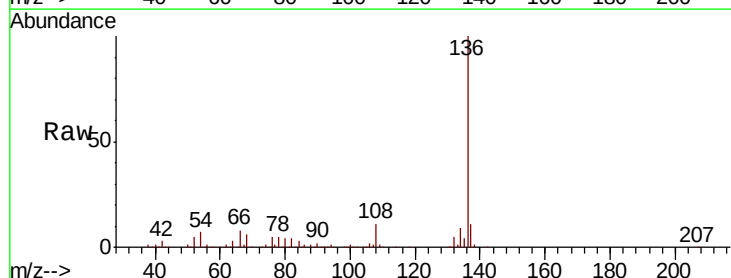
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 6.6 5.2 7.8

68 6.2 5.0 7.6

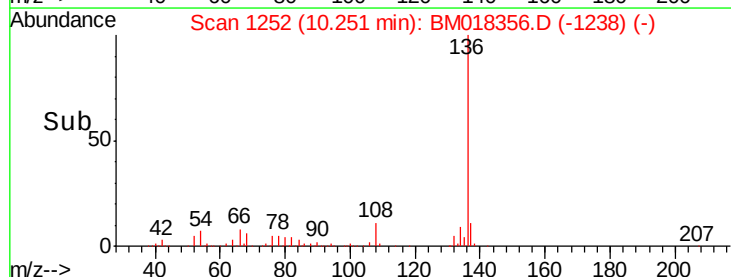
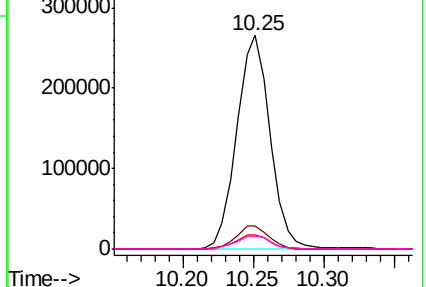


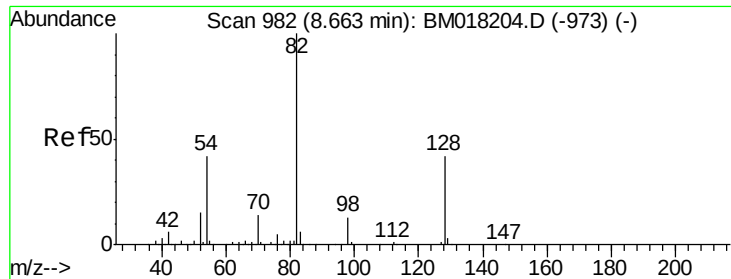
Abundance Ion 136.00 (135.70 to 136.70): BM018204.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM018204.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM018204.D (-1247) (-)

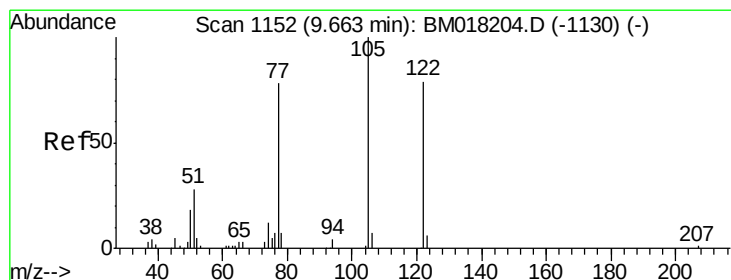
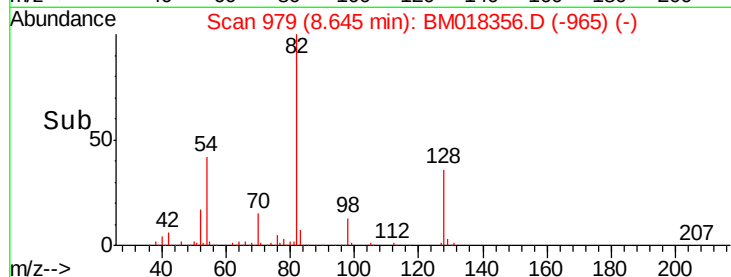
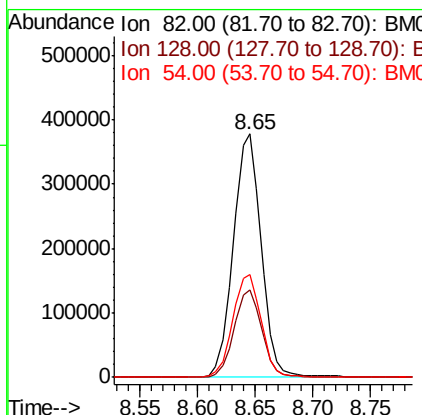
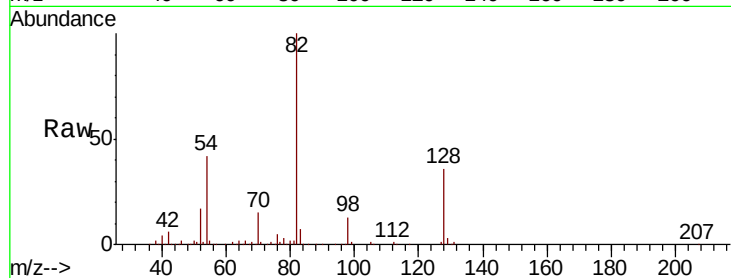




#23  
 Nitrobenzene-d5  
 Concen: 74.037 ng  
 RT: 8.65 min Scan# 979  
 Delta R.T. -0.02 min  
 Lab File: BM018356.D  
 Acq: 21 Dec 2018 12:30

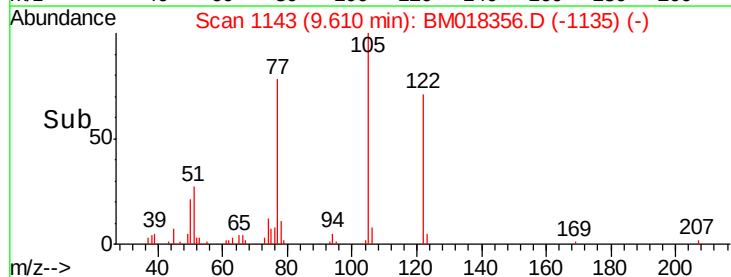
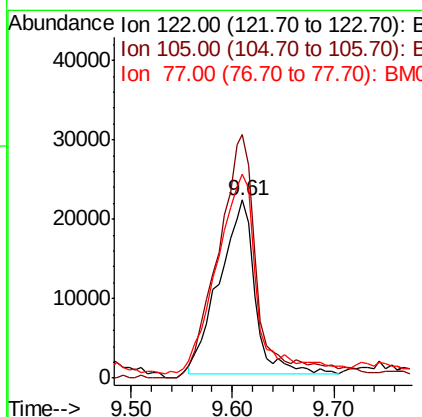
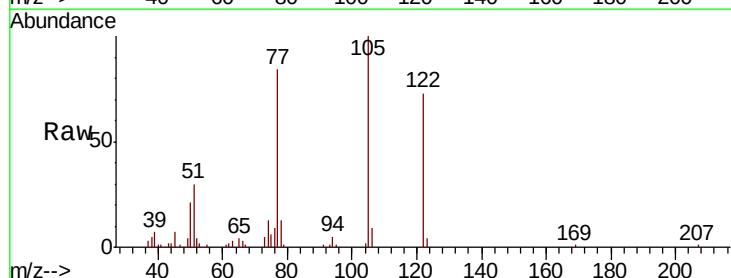
Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS013-0006-01

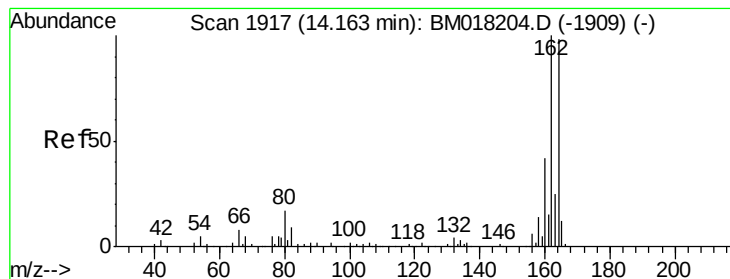
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 36.1  | 33.4  | 50.2  |
| 54      | 42.0  | 33.4  | 50.2  |



#32  
 Benzoic acid  
 Concen: 9.277 ng  
 RT: 9.61 min Scan# 1143  
 Delta R.T. -0.05 min  
 Lab File: BM018356.D  
 Acq: 21 Dec 2018 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 136.6 | 104.8 | 144.8 |
| 77      | 114.7 | 77.7  | 117.7 |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.15 min Scan# 1914

Delta R.T. -0.02 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

Instrument :

BNA\_M

ClientSampleId :

P001-SS013-0006-01

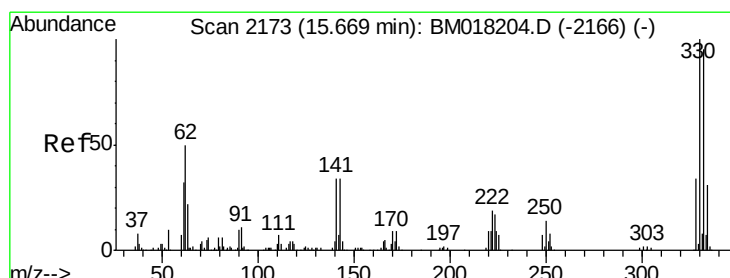
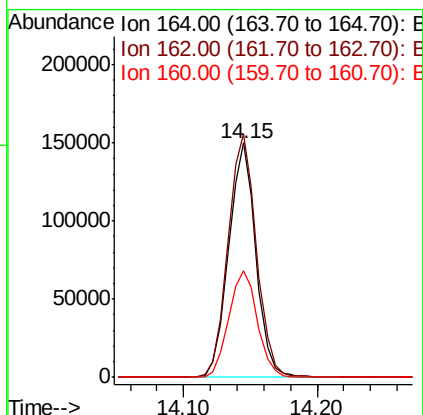
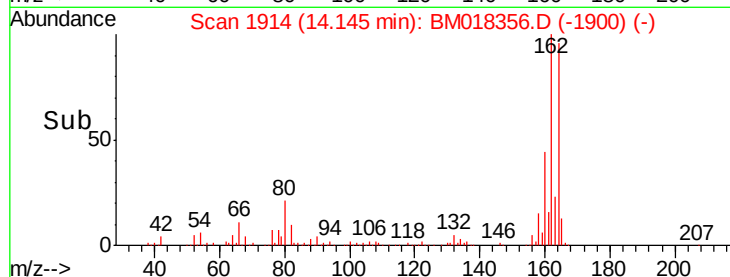
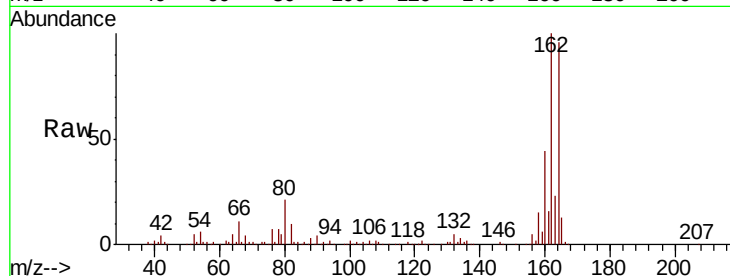
Tgt Ion:164 Resp: 212959

Ion Ratio Lower Upper

164 100

162 104.0 81.8 122.6

160 45.4 34.6 51.8



#42

2,4,6-Tribromophenol

Concen: 74.692 ng

RT: 15.66 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

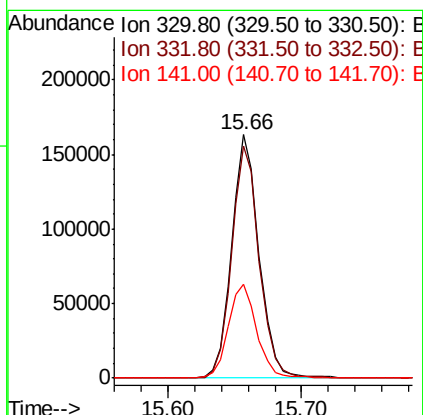
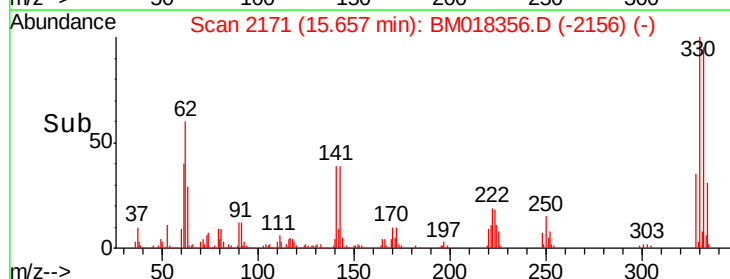
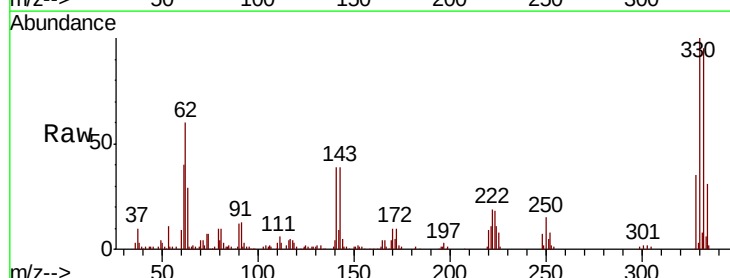
Tgt Ion:330 Resp: 233460

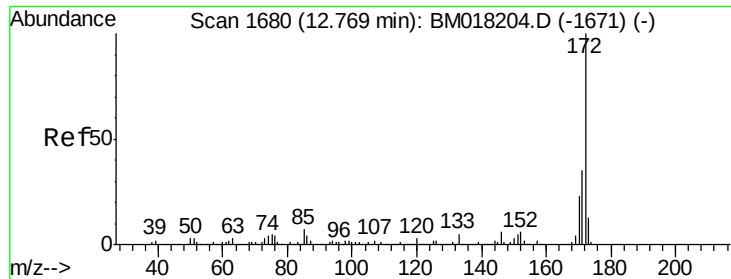
Ion Ratio Lower Upper

330 100

332 95.9 78.6 118.0

141 40.4 27.1 40.7

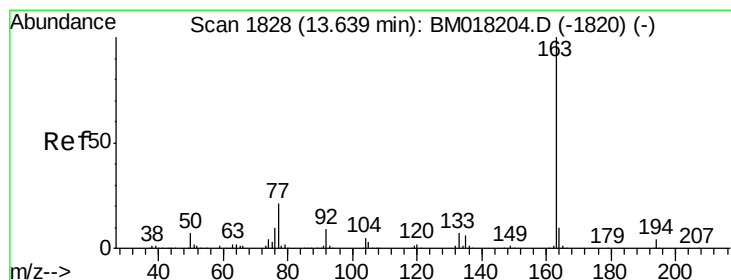
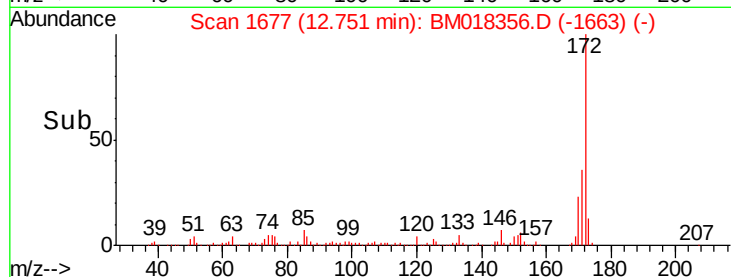
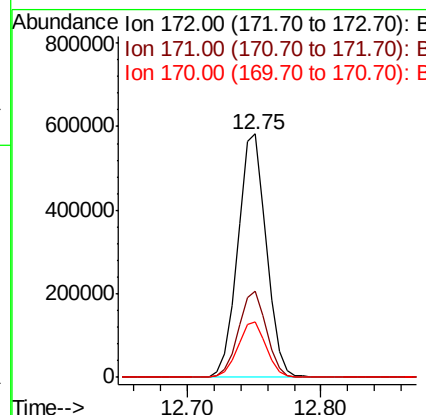
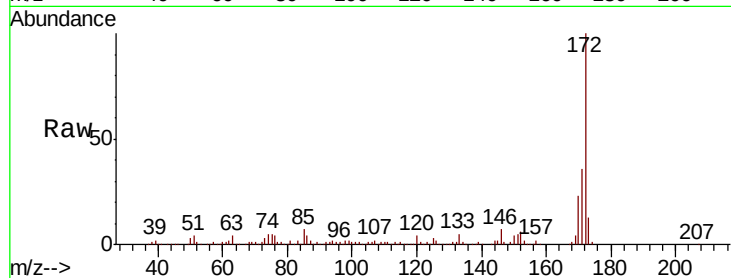




#45  
 2-Fluorobiphenyl  
 Concen: 52.310 ng  
 RT: 12.75 min Scan# 1677  
 Delta R.T. -0.02 min  
 Lab File: BM018356.D  
 Acq: 21 Dec 2018 12:30

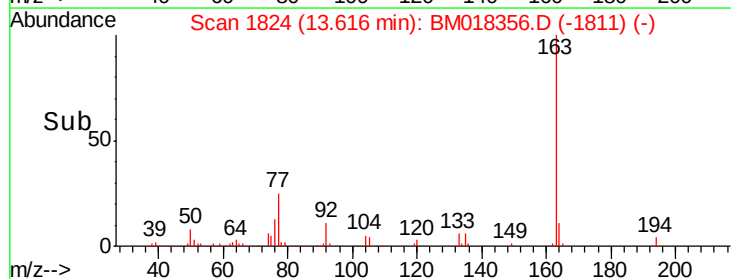
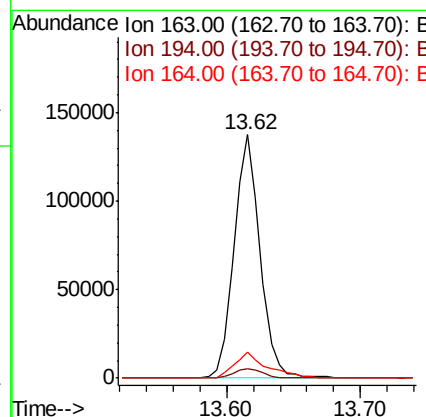
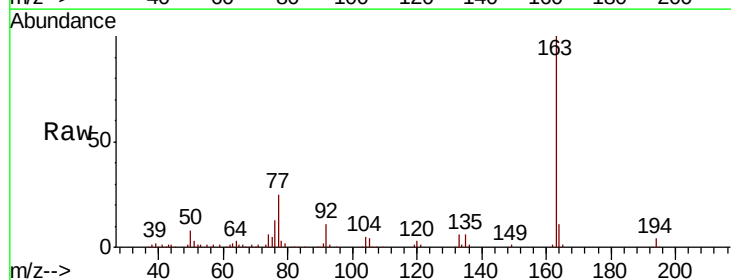
Instrument :  
 BNA\_M  
 ClientSampleId :  
 P001-SS013-0006-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.3  | 42.5  |
| 170     | 22.6  | 18.1  | 27.1  |

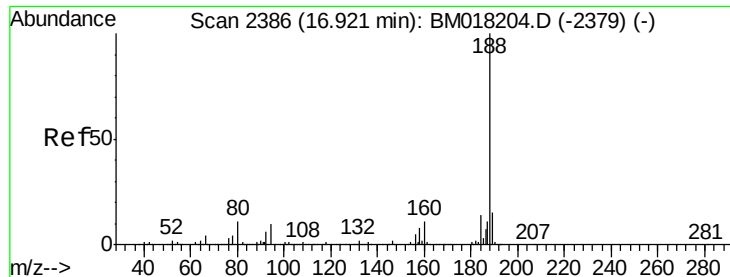


#50  
 Dimethylphthalate  
 Concen: 10.569 ng  
 RT: 13.62 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BM018356.D  
 Acq: 21 Dec 2018 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.6   | 3.1   | 4.7   |
| 164     | 10.5  | 7.9   | 11.9  |



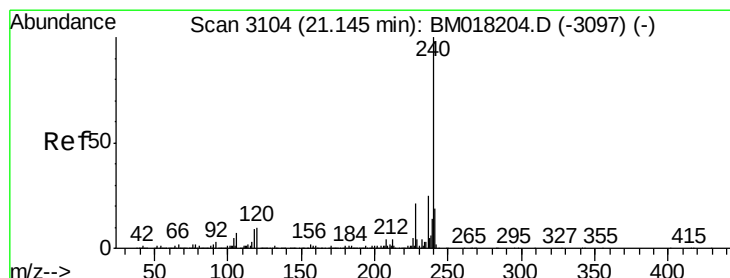
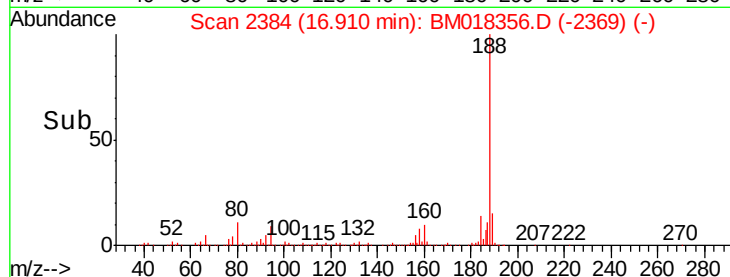
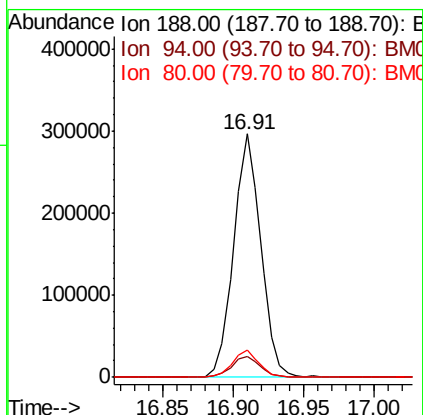
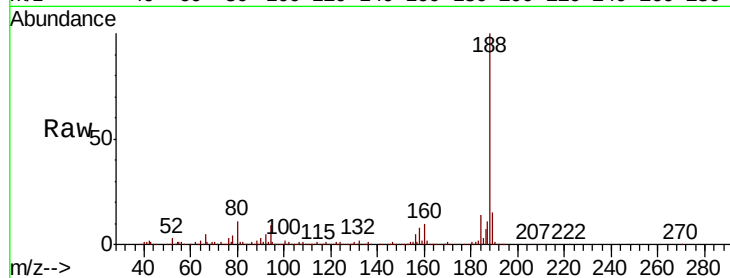




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.91 min Scan# 2384  
Delta R.T. -0.01 min  
Lab File: BM018356.D  
Acq: 21 Dec 2018 12:30

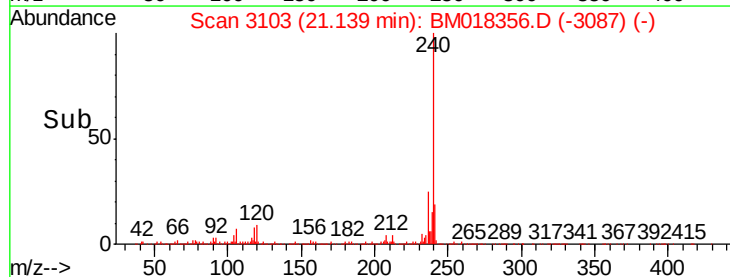
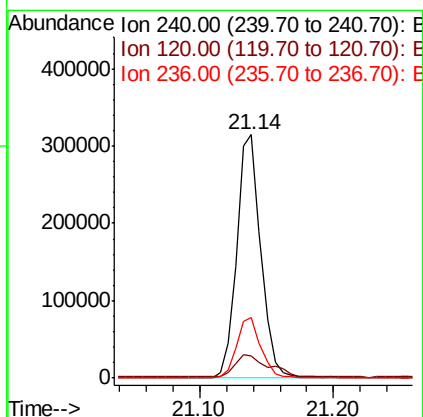
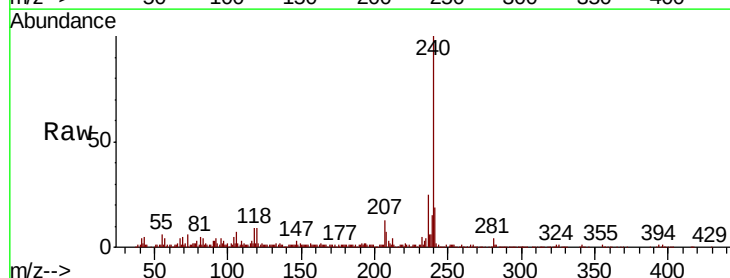
Instrument :  
BNA\_M  
ClientSampleId :  
P001-SS013-0006-01

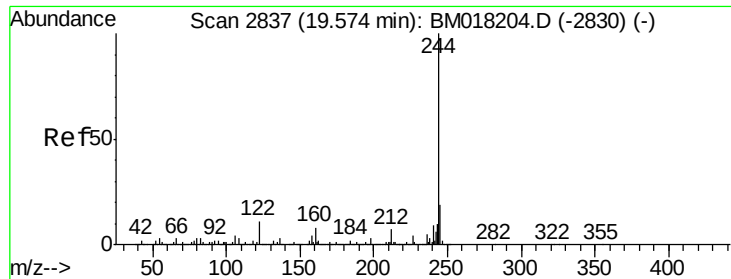
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.8   | 8.0   | 12.0  |
| 80      | 11.4  | 9.0   | 13.6  |



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.14 min Scan# 3103  
Delta R.T. -0.01 min  
Lab File: BM018356.D  
Acq: 21 Dec 2018 12:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.2   | 8.2   | 12.2  |
| 236     | 24.8  | 20.3  | 30.5  |





#79

Terphenyl-d14

Concen: 42.872 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

Instrument :

BNA\_M

ClientSampleId :

P001-SS013-0006-01

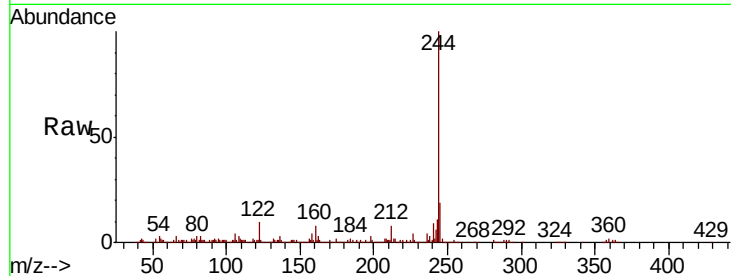
Tgt Ion:244 Resp: 744322

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 9.7 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

800000

600000

400000

200000

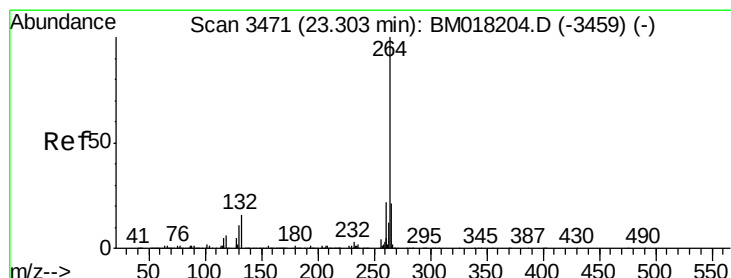
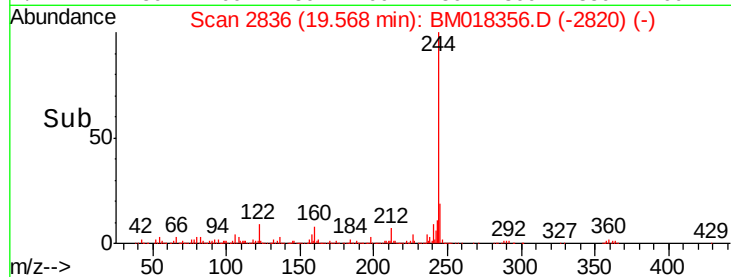
0

19.57

19.50

19.60

Time-->



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3471

Delta R.T. -0.00 min

Lab File: BM018356.D

Acq: 21 Dec 2018 12:30

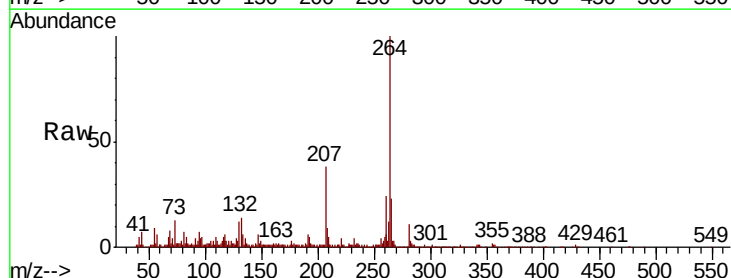
Tgt Ion:264 Resp: 443930

Ion Ratio Lower Upper

264 100

260 24.0 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

300000

200000

100000

0

23.30

23.20

23.40

Time-->

