

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020119\  
 Data File : BM018706.D  
 Acq On : 01 Feb 2019 13:55  
 Operator : JU/SJ  
 Sample : K1297-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A0C17-SSI

Quant Time: Feb 01 17:13:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 18 22:01:30 2019  
 Response via : Initial Calibration

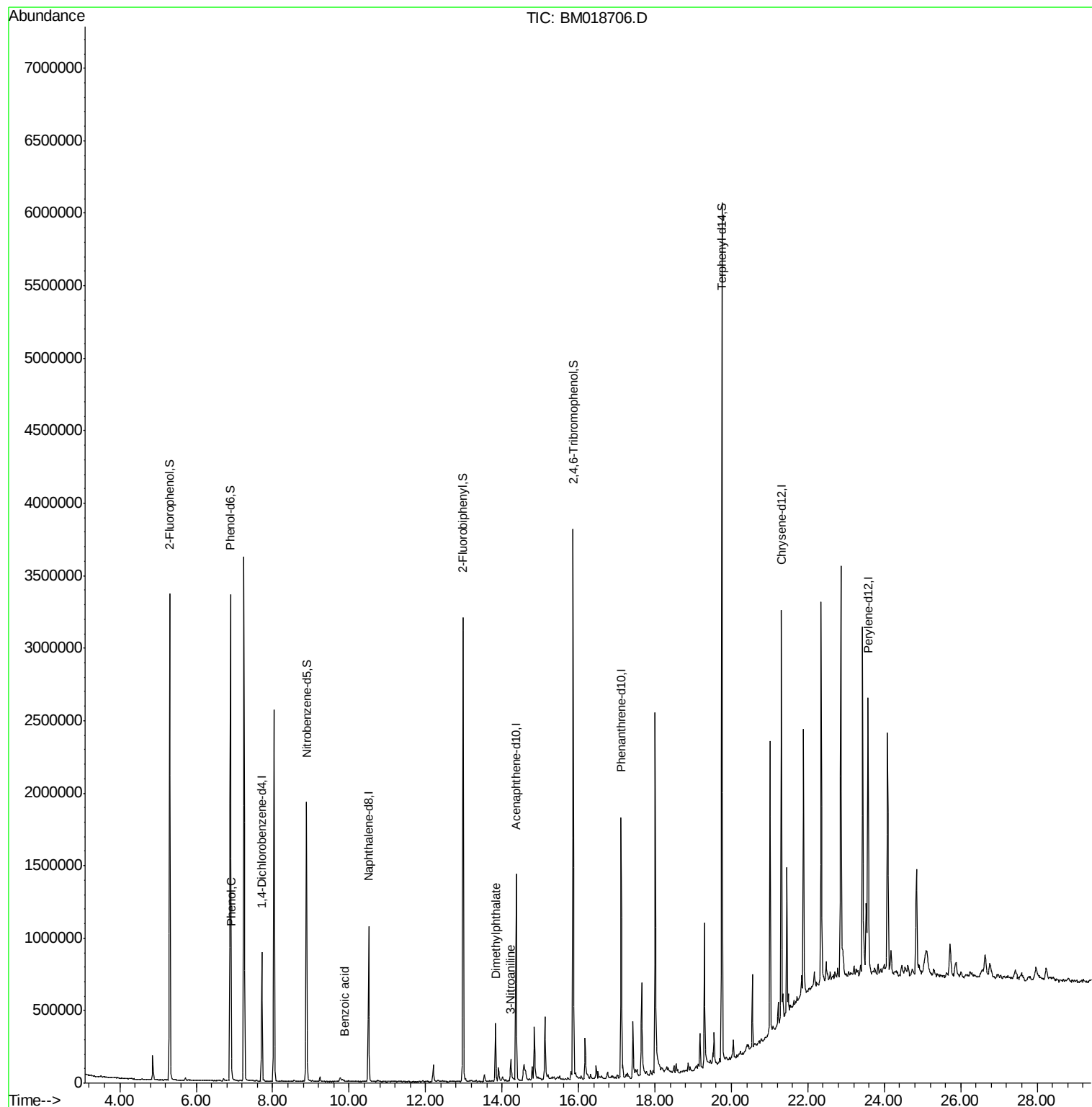
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 238749   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.51 | 136  | 911534   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.37 | 164  | 467579   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.12 | 188  | 1034532  | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.31 | 240  | 1282319  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.57 | 264  | 1338064  | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 1421001  | 109.90 | ng    | -0.02    |
| 7) Phenol-d6                | 6.89  | 99   | 1788367  | 108.90 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.89  | 82   | 1069261  | 68.00  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 617032   | 103.64 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.98 | 172  | 1659957  | 46.32  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.75 | 244  | 2620672  | 43.08  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.92  | 94   | 117813   | 7.060  | ng    | 96       |
| 32) Benzoic acid            | 9.89  | 122  | 364      | 6.544  | ng    | # 78     |
| 50) Dimethylphthalate       | 13.83 | 163  | 258945   | 6.743  | ng    | 99       |
| 53) 3-Nitroaniline          | 14.23 | 138  | 52432    | 6.394  | ng    | # 7      |

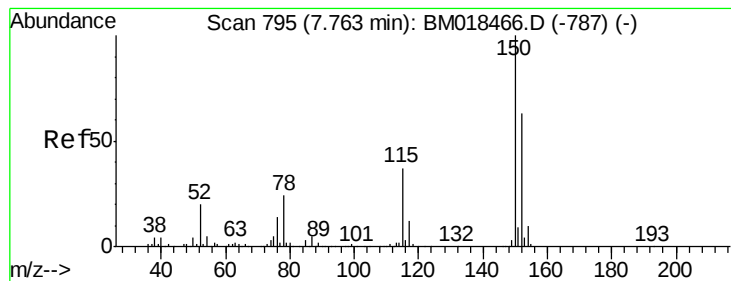
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K1297-01  
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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Feb 01 17:13:13 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 18 22:01:30 2019  
Response via : Initial Calibration



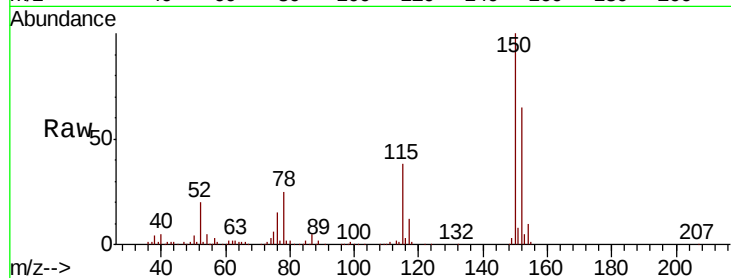


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.72 min Scan# 787  
Delta R.T. -0.02 min  
Lab File: BM018706.D  
Acq: 01 Feb 2019 13:55

Instrument :  
BNA\_F  
ClientSampleId :  
A0C17-SSI

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 126.9 | 190.3 |
| 115     | 58.6  | 45.5  | 68.3  |

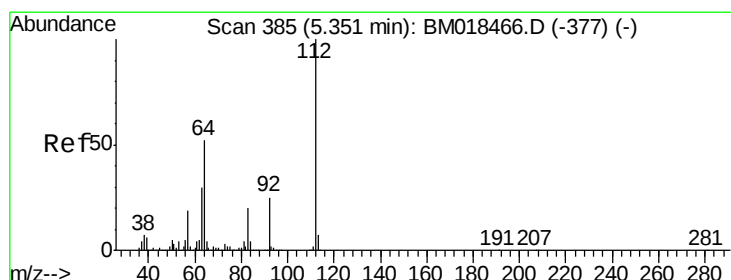
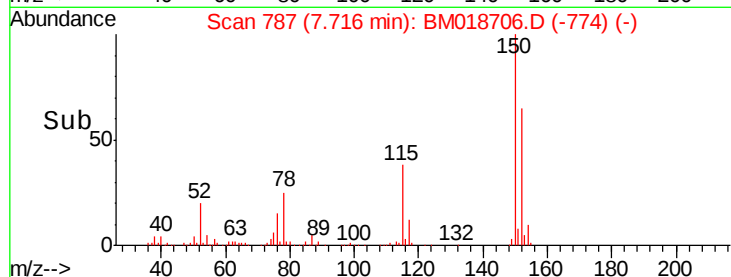
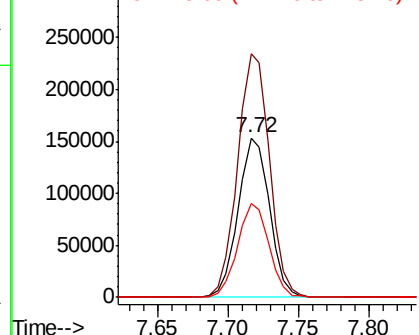


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

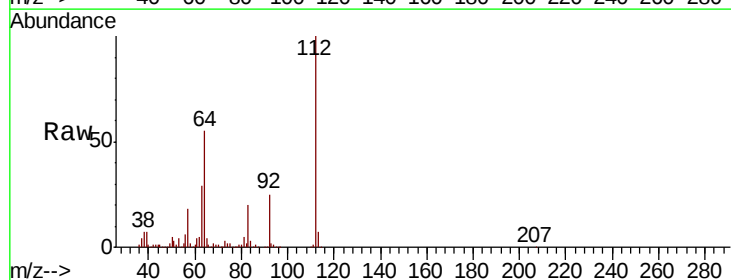
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 109.901 ng  
RT: 5.30 min Scan# 377  
Delta R.T. -0.02 min  
Lab File: BM018706.D  
Acq: 01 Feb 2019 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.4  | 46.5  | 69.7  |
| 63      | 29.3  | 25.2  | 37.8  |

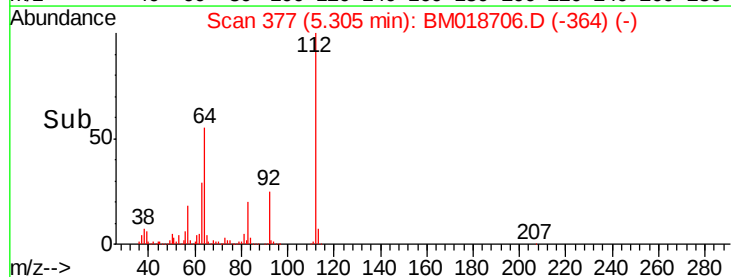
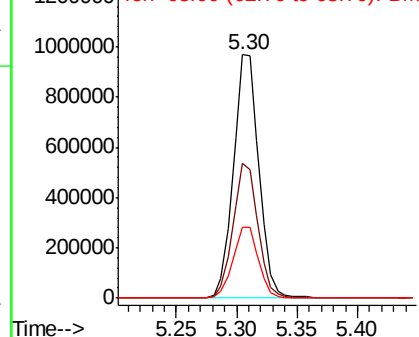


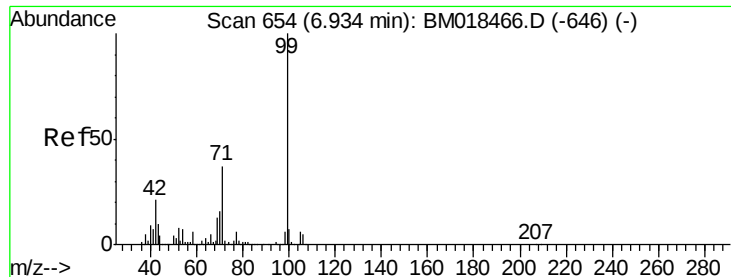
Abundance

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: 108.898 ng

RT: 6.89 min Scan# 647

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

Instrument :

BNA\_F

ClientSampleId :

A0C17-SSI

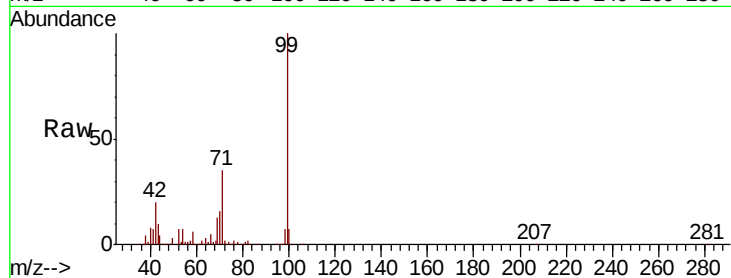
Tot Ion: 99 Resp: 1788367

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.9  | 17.3  | 25.9  |
| 71  | 35.4  | 28.0  | 42.0  |

99 100

42 19.9 17.3 25.9

71 35.4 28.0 42.0



Abundance

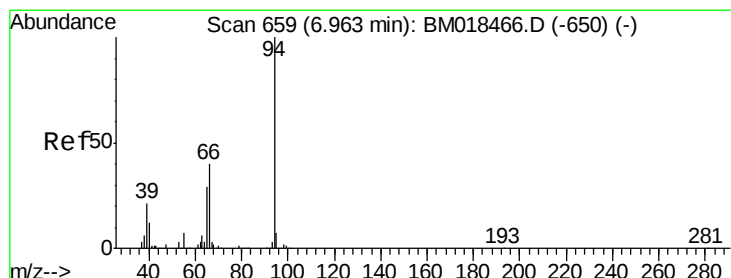
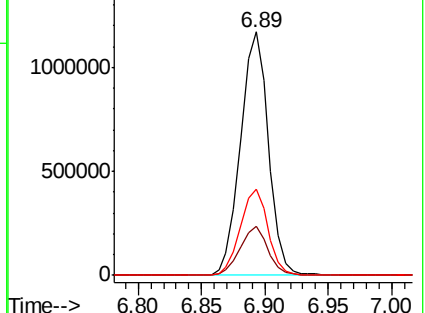
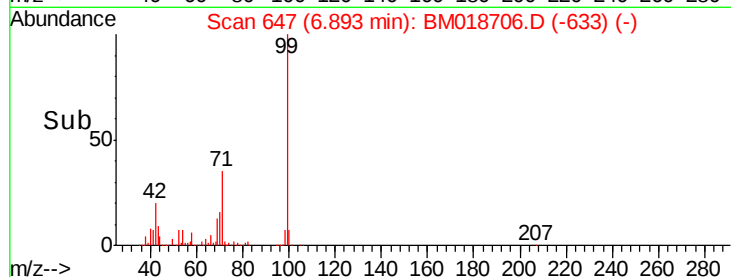
Ion 99.00 (98.70 to 99.70): BM018706.D (-633) (-)

Ion 42.00 (41.70 to 42.70): BM018706.D (-633) (-)

Ion 71.00 (70.70 to 71.70): BM018706.D (-633) (-)

6.89

Time-->



#10

Phenol

Concen: 7.060 ng

RT: 6.92 min Scan# 651

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

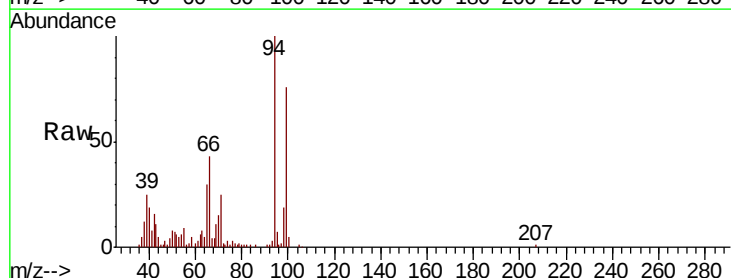
Tgt Ion: 94 Resp: 117813

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 29.7  | 9.4   | 49.4  |
| 66  | 42.8  | 19.1  | 59.1  |

94 100

65 29.7 9.4 49.4

66 42.8 19.1 59.1



Abundance

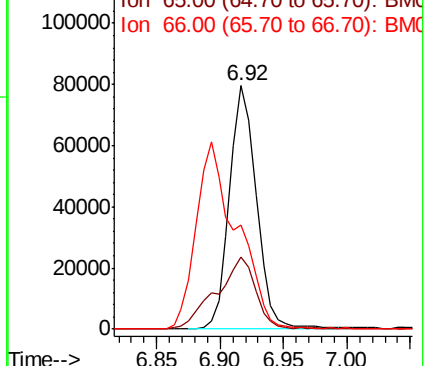
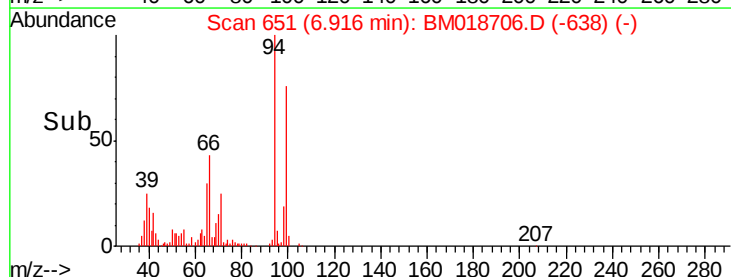
Ion 94.00 (93.70 to 94.70): BM018706.D (-638) (-)

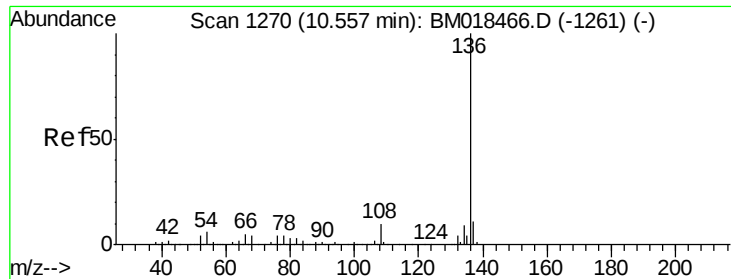
Ion 65.00 (64.70 to 65.70): BM018706.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM018706.D (-638) (-)

6.92

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.51 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

Instrument :

BNA\_F

ClientSampleId :

A0C17-SSI

Tot Ion:136 Resp: 911534

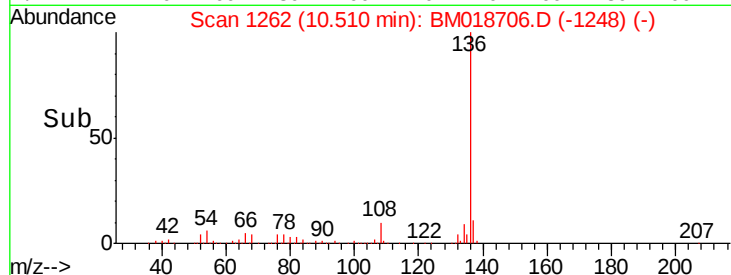
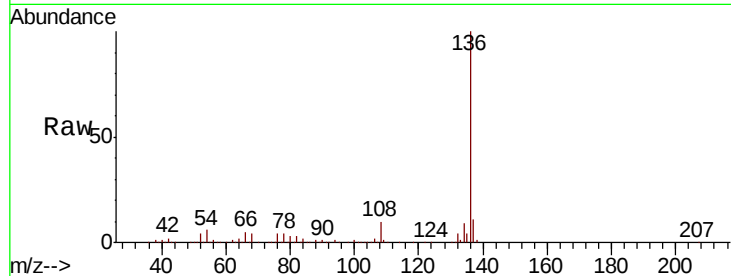
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.4 6.0 9.0

68 4.4 4.5 6.7#



Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM

Time--> 10.40 10.50 10.60

800000

600000

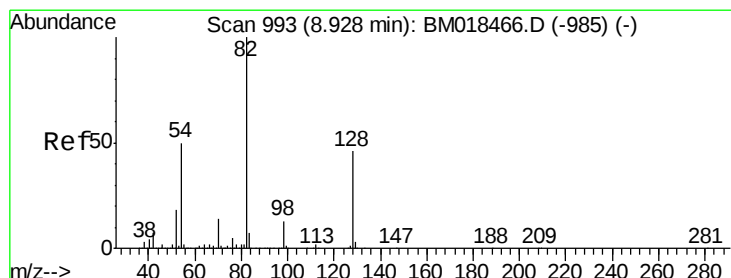
400000

200000

0

10.51

Time--> 10.40 10.50 10.60



#23

Nitrobenzene-d5

Concen: 68.002 ng

RT: 8.89 min Scan# 986

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

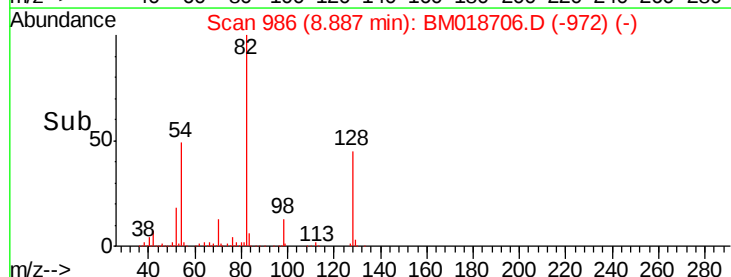
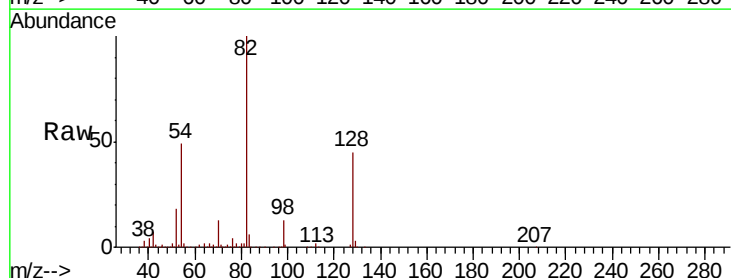
Tgt Ion: 82 Resp: 1069261

Ion Ratio Lower Upper

82 100

128 45.4 36.3 54.5

54 48.6 41.7 62.5



Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

Time--> 8.80 8.90 9.00

800000

600000

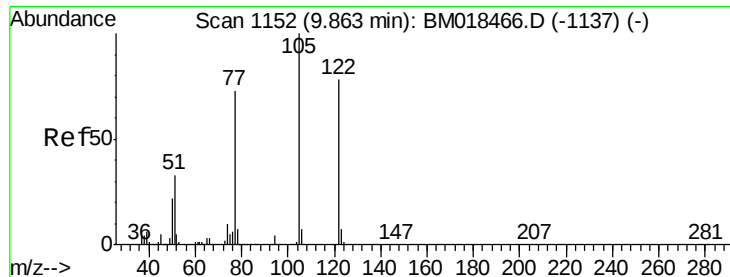
400000

200000

0

8.89

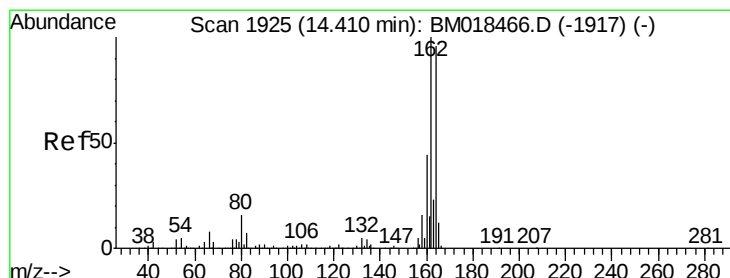
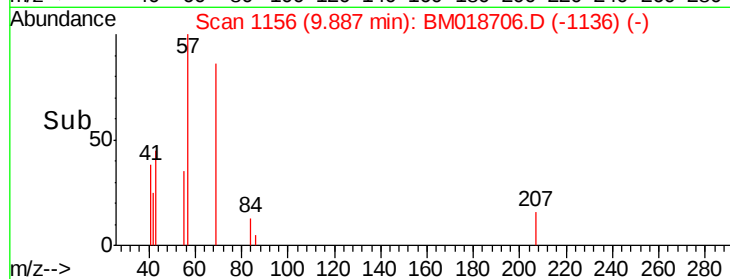
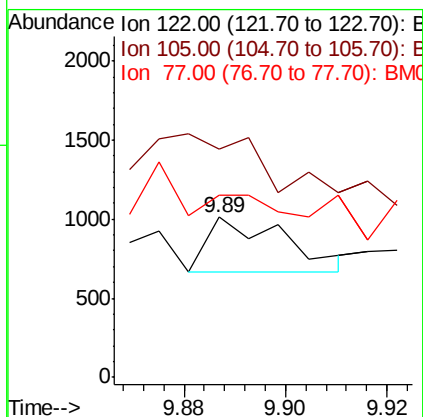
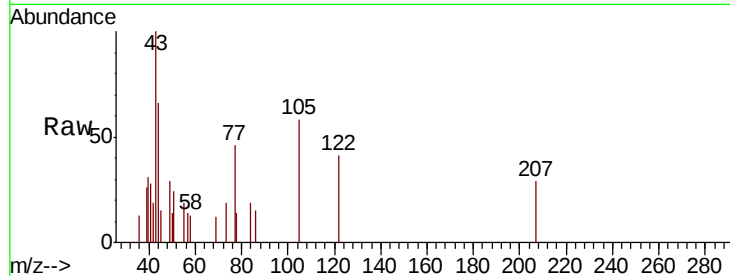
Time--> 8.80 8.90 9.00



#32  
Benzoic acid  
Concen: 6.544 ng  
RT: 9.89 min Scan# 1156  
Delta R.T. 0.02 min  
Lab File: BM018706.D  
Acq: 01 Feb 2019 13:55

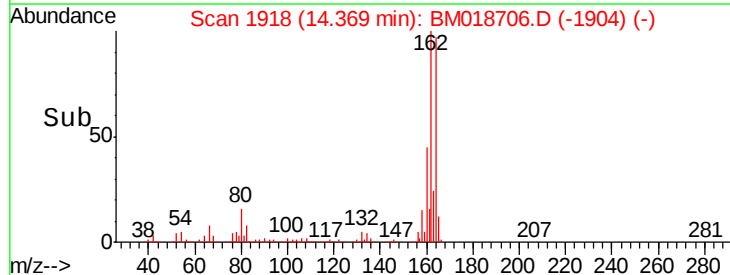
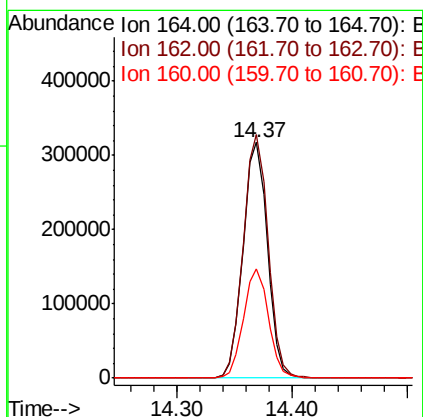
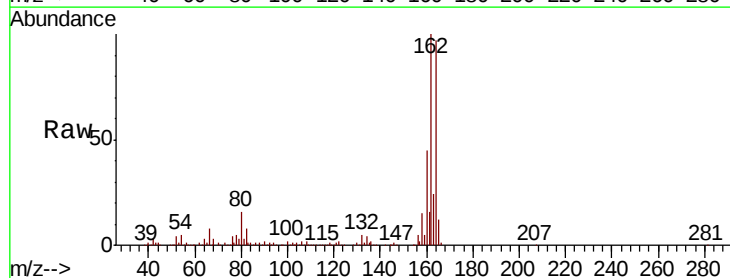
Instrument :  
BNA\_F  
ClientSampleId :  
A0C17-SSI

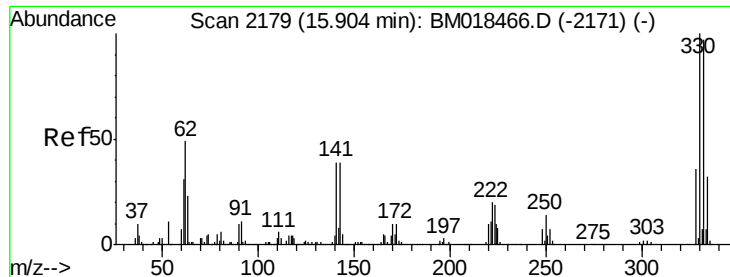
Tot Ion:122 Resp: 364  
Ion Ratio Lower Upper  
122 100  
105 143.0 100.4 140.4#  
77 113.8 71.7 111.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.37 min Scan# 1918  
Delta R.T. -0.02 min  
Lab File: BM018706.D  
Acq: 01 Feb 2019 13:55

Tgt Ion:164 Resp: 467579  
Ion Ratio Lower Upper  
164 100  
162 103.3 83.0 124.4  
160 46.4 37.1 55.7

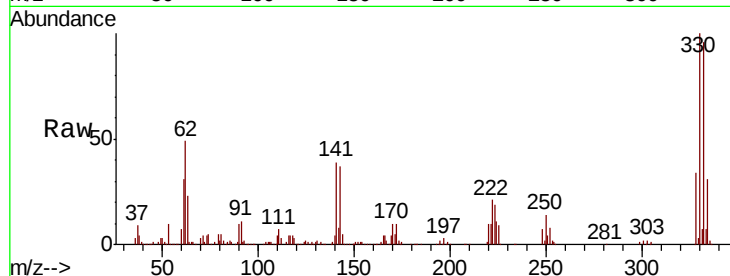




#42  
 2,4,6-Tribromophenol  
 Concen: 103.640 ng  
 RT: 15.86 min Scan# 2172  
 Delta R.T. -0.02 min  
 Lab File: BM018706.D  
 Acq: 01 Feb 2019 13:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A0C17-SSI

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.2  | 77.6  | 116.4 |
| 141     | 38.8  | 31.7  | 47.5  |

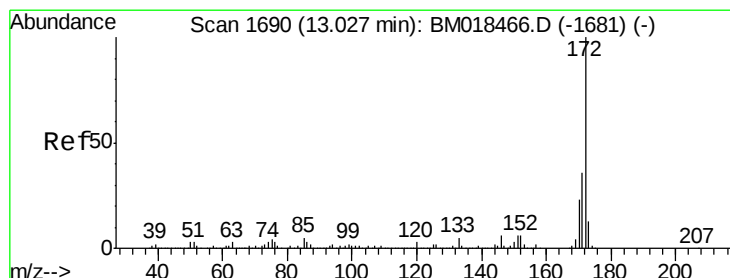
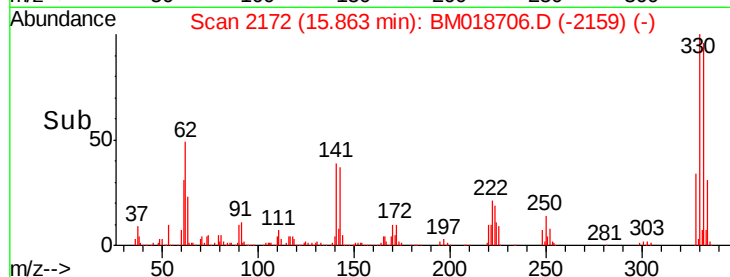
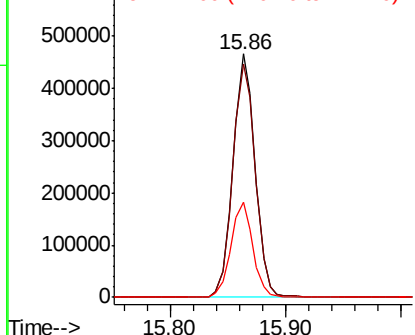


Abundance

Ion 329.80 (329.50 to 330.50): E

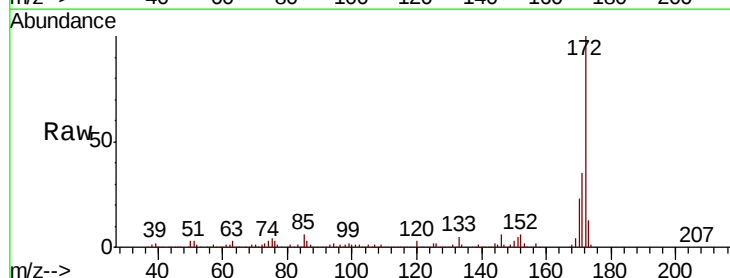
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 46.324 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. -0.02 min  
 Lab File: BM018706.D  
 Acq: 01 Feb 2019 13:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.2  | 42.4  |
| 170     | 23.2  | 18.9  | 28.3  |

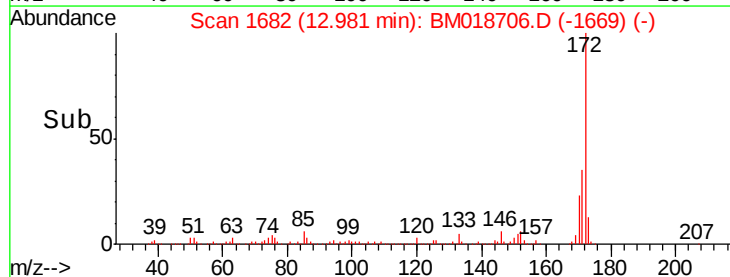
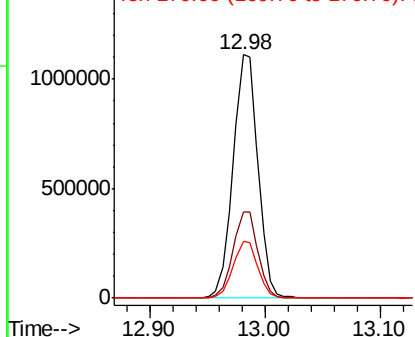


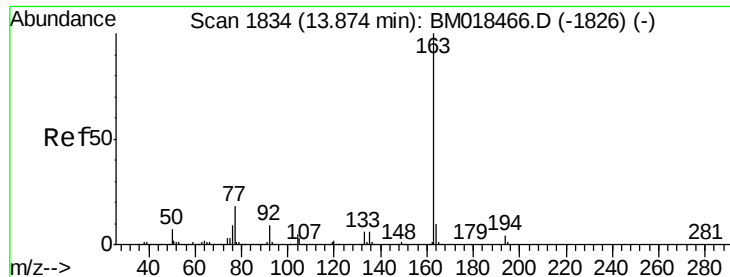
Abundance

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: 6.743 ng

RT: 13.83 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

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ClientSampleId :

A0C17-SSI

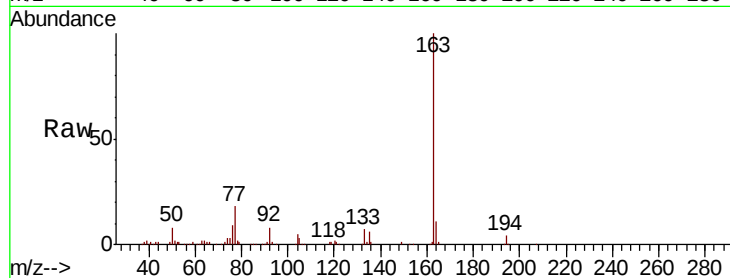
Tot Ion:163 Resp: 258945

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

164 10.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

250000 Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

200000

150000

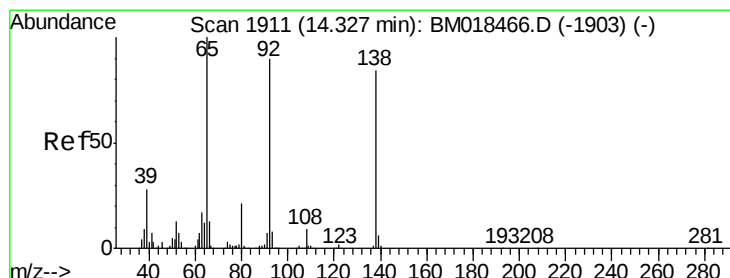
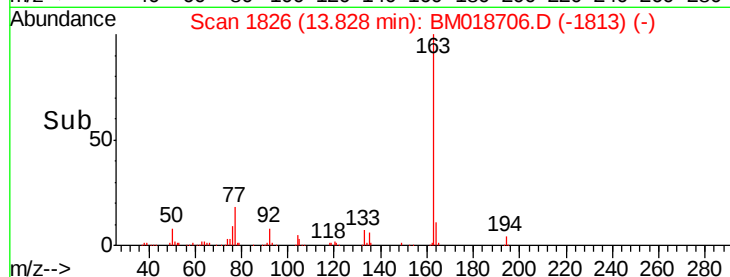
100000

50000

0

13.83

Time-->



#53

3-Nitroaniline

Concen: 6.394 ng

RT: 14.23 min Scan# 1894

Delta R.T. -0.08 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

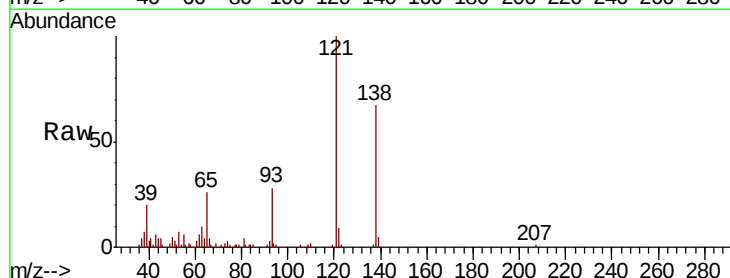
Tgt Ion:138 Resp: 52432

Ion Ratio Lower Upper

138 100

108 0.0 9.1 13.7#

92 4.9 88.2 132.2#



Abundance Ion 138.00 (137.70 to 138.70): E

40000 Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

30000

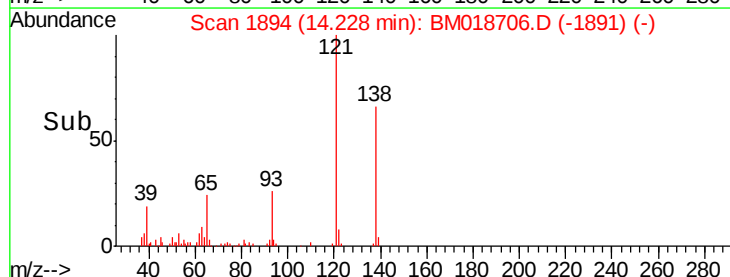
20000

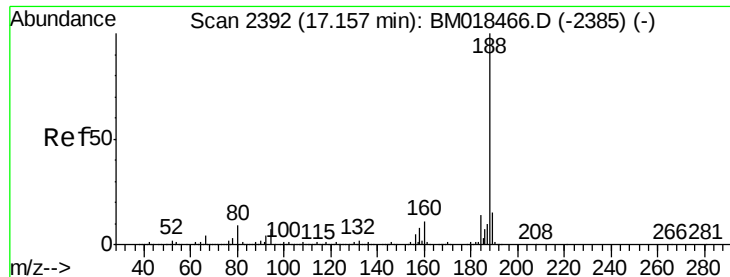
10000

0

14.23

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.12 min Scan# 2385

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

Instrument :

BNA\_F

ClientSampleId :

A0C17-SSI

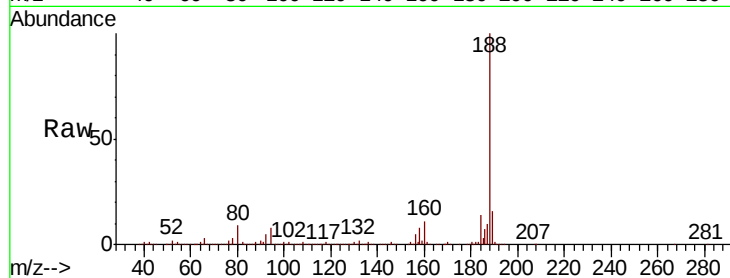
Tot Ion:188 Resp: 1034532

Ion Ratio Lower Upper

188 100

94 8.0 7.1 10.7

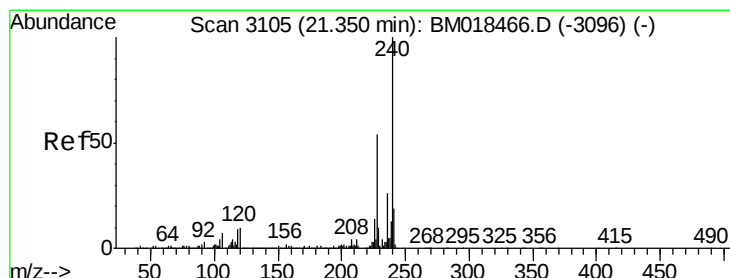
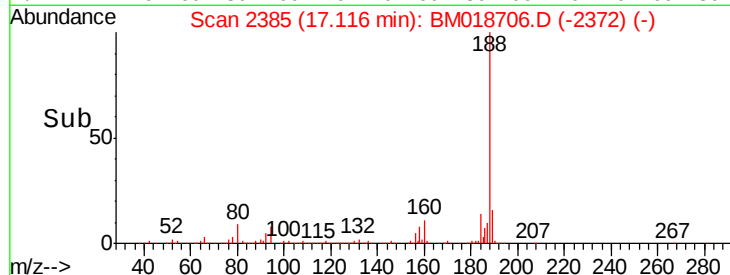
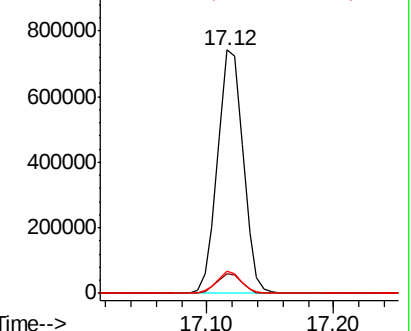
80 9.0 7.6 11.4



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: 21.31 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

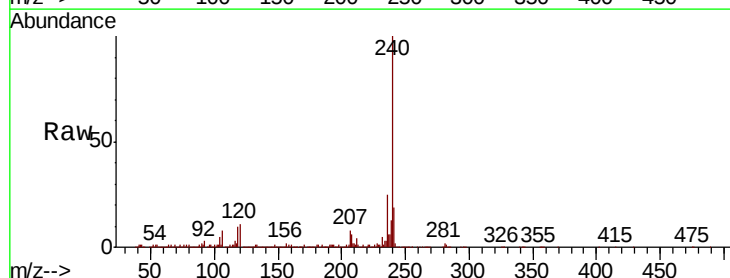
Tgt Ion:240 Resp: 1282319

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

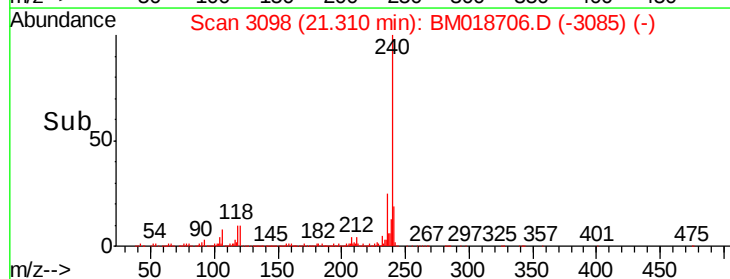
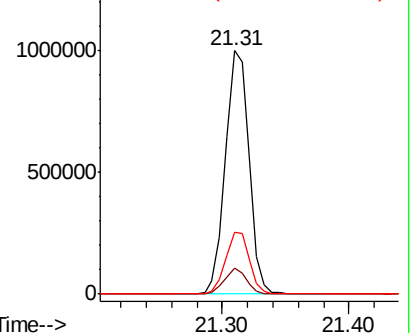
236 25.4 20.7 31.1

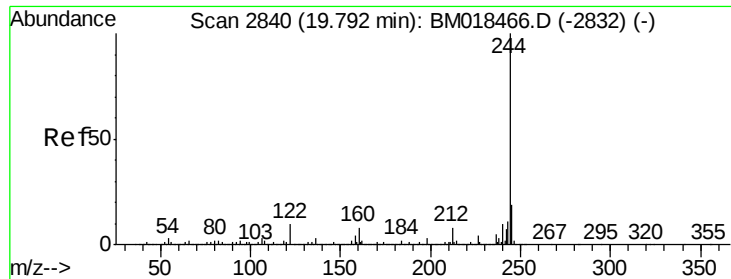


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 43.082 ng

RT: 19.75 min Scan# 2833

Delta R.T. -0.02 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

Instrument :

BNA\_F

ClientSampleId :

A0C17-SSI

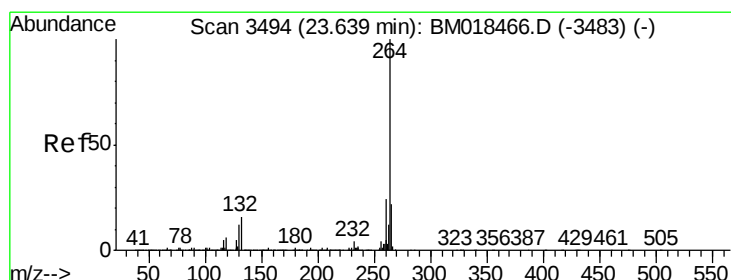
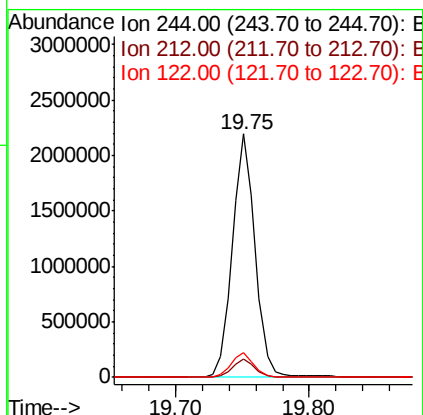
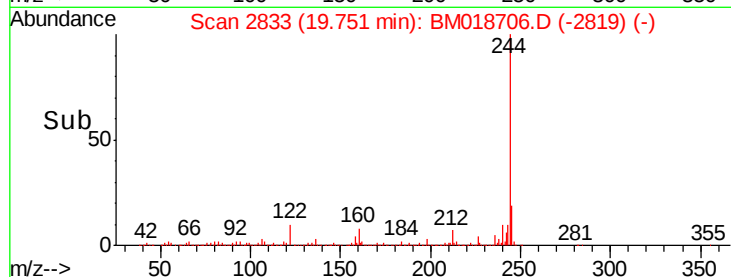
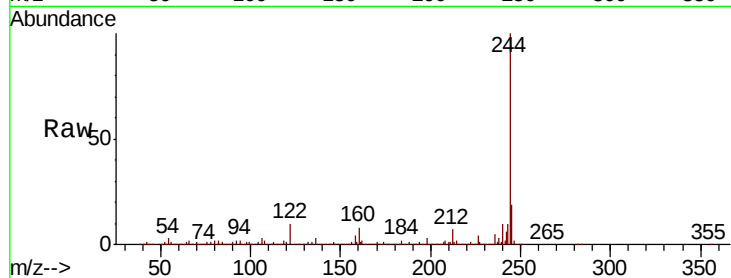
Tot Ion:244 Resp: 2620672

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 9.9 9.0 13.4



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3483

Delta R.T. -0.03 min

Lab File: BM018706.D

Acq: 01 Feb 2019 13:55

Tgt Ion:264 Resp: 1338064

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

265 21.8 16.8 25.2

