

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041919\  
 Data File : BM019985.D  
 Acq On : 19 Apr 2019 23:22  
 Operator : JU/SJ  
 Sample : K2482-01  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP

Quant Time: Apr 20 01:07:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.50  | 152  | 127313   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.29 | 136  | 519417   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.17 | 164  | 305257   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.94 | 188  | 692248   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.16 | 240  | 688473   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.34 | 264  | 724295   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.12  | 112 | 552784  | 70.37  | ng | 0.00 |
| 7) Phenol-d6             | 6.70  | 99  | 478892  | 40.51  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.68  | 82  | 1068191 | 91.97  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.69 | 330 | 618486  | 125.87 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.78 | 172 | 2210759 | 90.26  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.59 | 244 | 3903796 | 100.01 | ng | 0.00 |

## Target Compounds

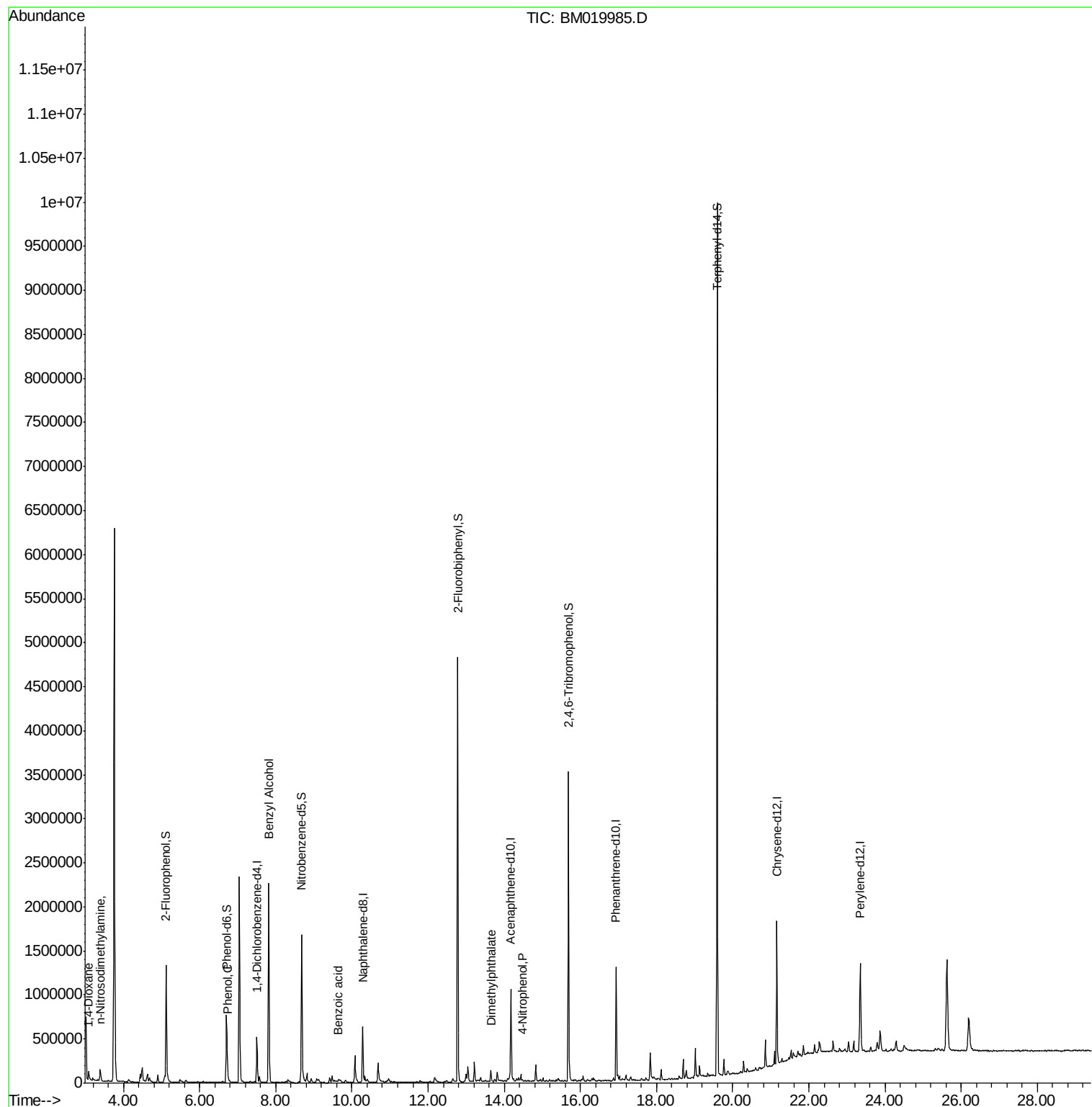
|                           |       |     |       |       |    | Qvalue |
|---------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane            | 3.09  | 88  | 9682  | 2.856 | ng | # 1    |
| 4) n-Nitrosodimethylamine | 3.39  | 42  | 9460  | 3.093 | ng | # 1    |
| 10) Phenol                | 6.73  | 94  | 50729 | 3.927 | ng | 85     |
| 15) Benzyl Alcohol        | 7.82  | 79  | 24395 | 2.270 | ng | # 55   |
| 32) Benzoic acid          | 9.65  | 122 | 20466 | 7.754 | ng | 96     |
| 50) Dimethylphthalate     | 13.65 | 163 | 82260 | 3.055 | ng | 99     |
| 56) 4-Nitrophenol         | 14.47 | 139 | 152   | 5.890 | ng | # 75   |

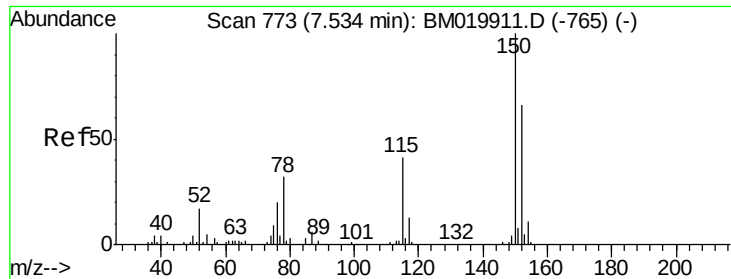
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM019985.D  
Acq On : 19 Apr 2019 23:22  
Operator : JU/SJ  
Sample : K2482-01  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

Quant Time: Apr 20 01:07:03 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 19 00:56:08 2019  
Response via : Initial Calibration



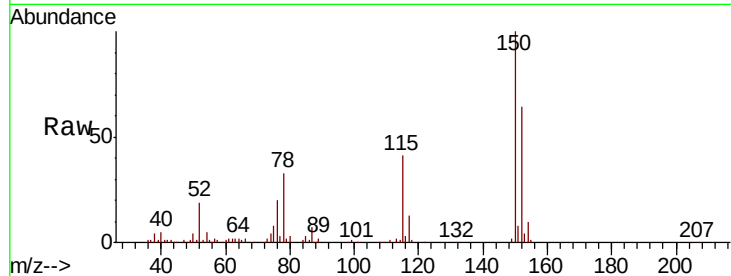


#1

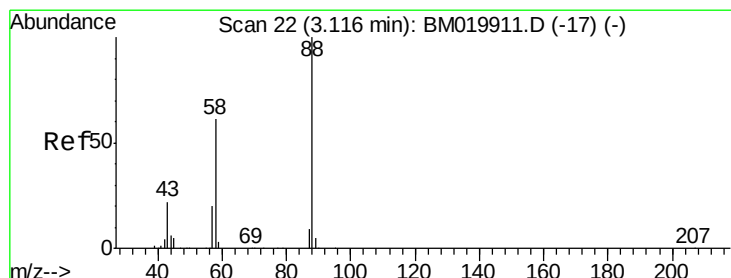
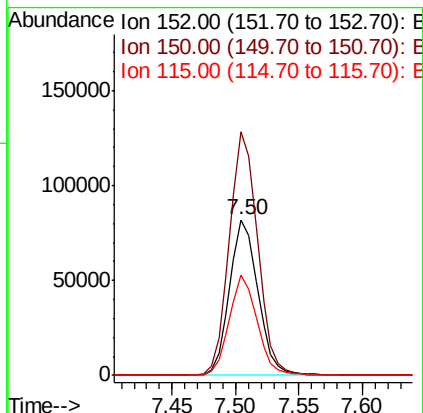
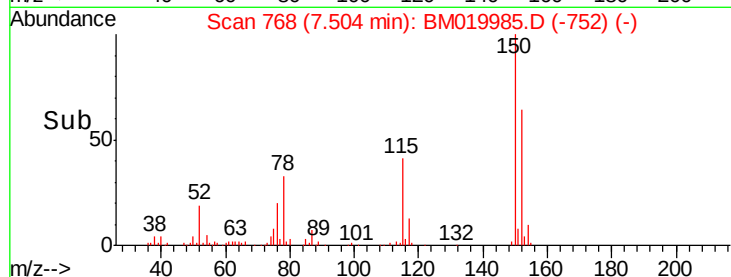
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.2 | 122.1 | 183.1 |
| 115     | 64.7  | 50.0  | 75.0  |



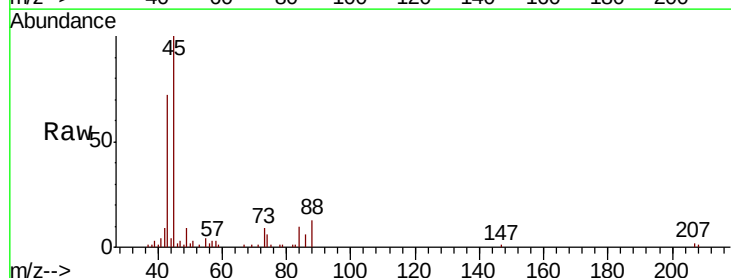
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



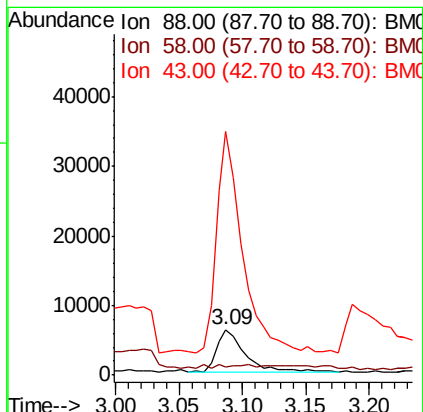
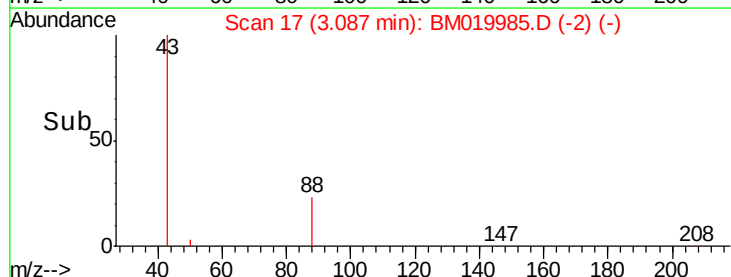
#2

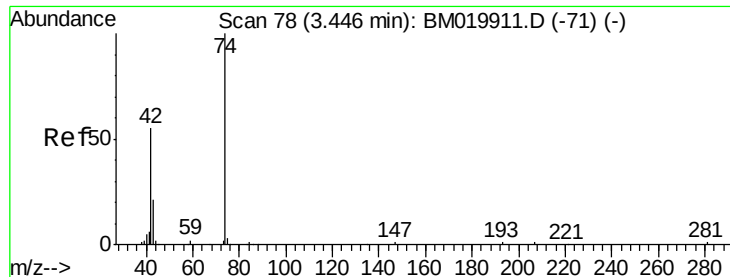
1,4-Dioxane  
Concen: 2.856 ng  
RT: 3.09 min Scan# 17  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 1.6   | 49.6  | 74.4# |
| 43      | 470.4 | 18.6  | 27.8# |



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0





#4

n-Nitrosodimethylamine

Concen: 3.093 ng

RT: 3.39 min Scan# 68

Delta R.T. -0.04 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

Instrument :

BNA\_M

ClientSampleId :

DFTPP

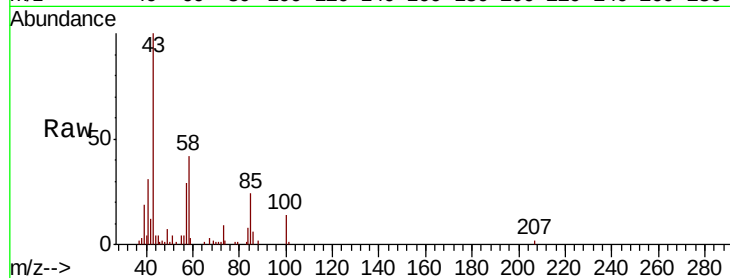
Tgt Ion: 42 Resp: 9460

Ion Ratio Lower Upper

42 100

74 14.9 144.6 217.0#

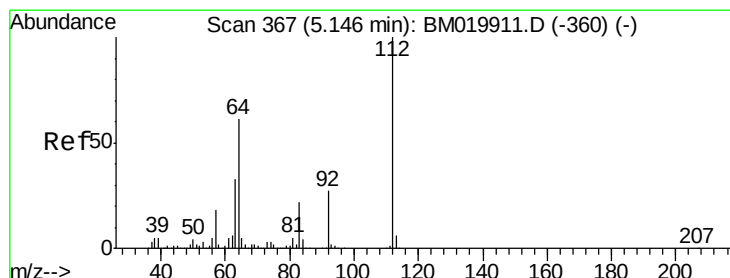
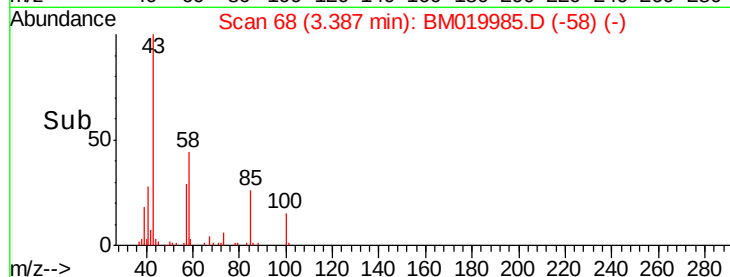
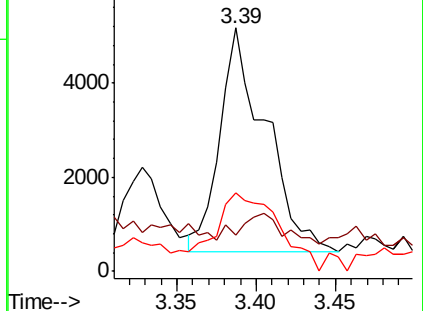
44 32.1 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BM019985.D (-68) (-)

Ion 74.00 (73.70 to 74.70): BM019985.D (-68) (-)

Ion 44.00 (43.70 to 44.70): BM019985.D (-68) (-)



#5

2-Fluorophenol

Concen: 70.367 ng

RT: 5.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

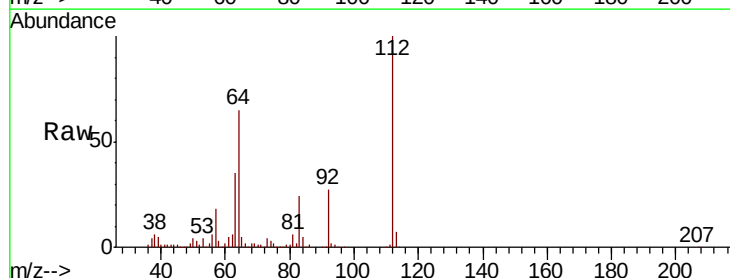
Tgt Ion: 112 Resp: 552784

Ion Ratio Lower Upper

112 100

64 64.8 49.1 73.7

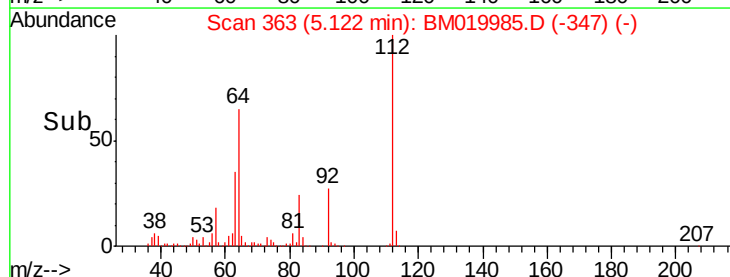
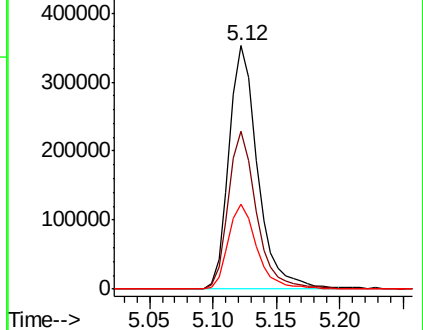
63 34.7 26.5 39.7

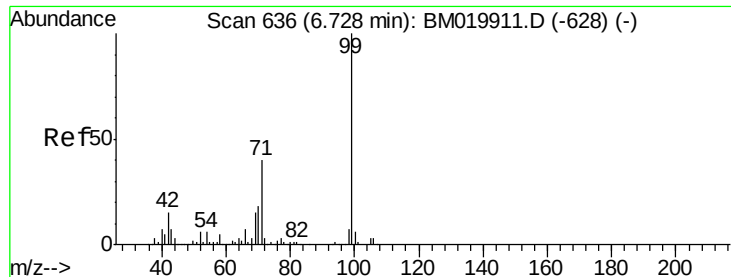


Abundance Ion 112.00 (111.70 to 112.70): BM019985.D (-363) (-)

Ion 64.00 (63.70 to 64.70): BM019985.D (-363) (-)

Ion 63.00 (62.70 to 63.70): BM019985.D (-363) (-)





#7

Phenol-d6

Concen: 40.506 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

Instrument :

BNA\_M

ClientSampleId :

DFTPP

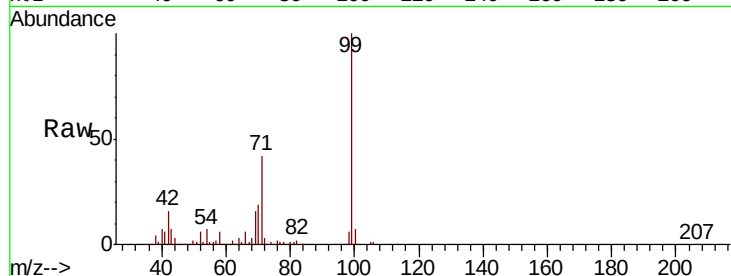
Tgt Ion: 99 Resp: 478892

Ion Ratio Lower Upper

99 100

42 15.6 11.8 17.8

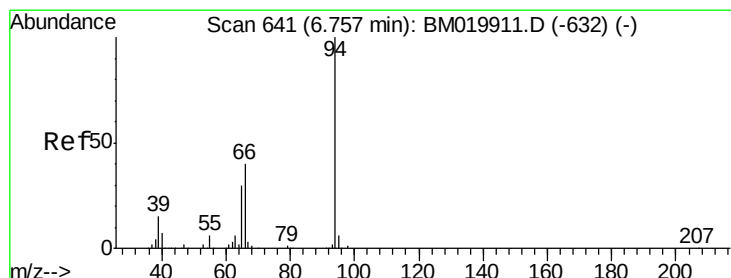
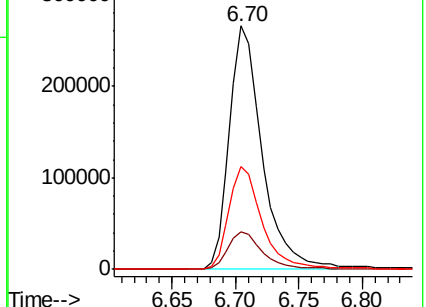
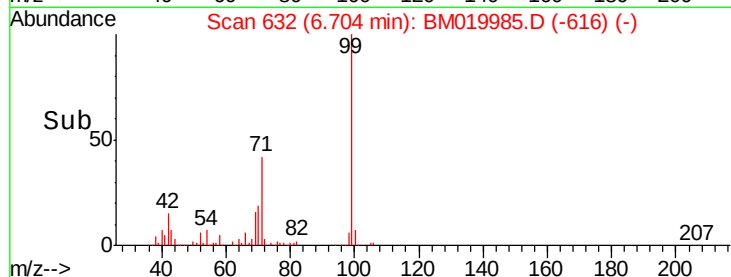
71 42.1 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM019985.D (-616) (-)

Ion 42.00 (41.70 to 42.70): BM019985.D (-616) (-)

Ion 71.00 (70.70 to 71.70): BM019985.D (-616) (-)



#10

Phenol

Concen: 3.927 ng

RT: 6.73 min Scan# 637

Delta R.T. 0.00 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

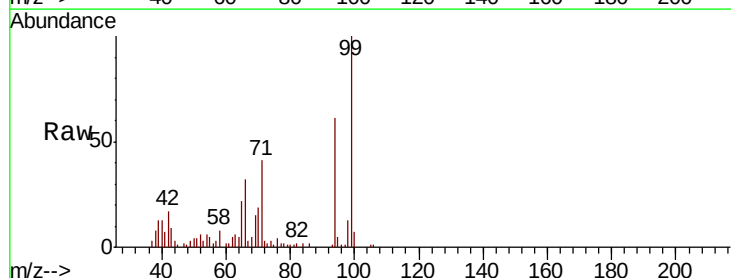
Tgt Ion: 94 Resp: 50729

Ion Ratio Lower Upper

94 100

65 35.5 10.0 50.0

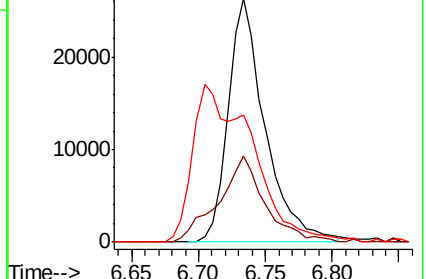
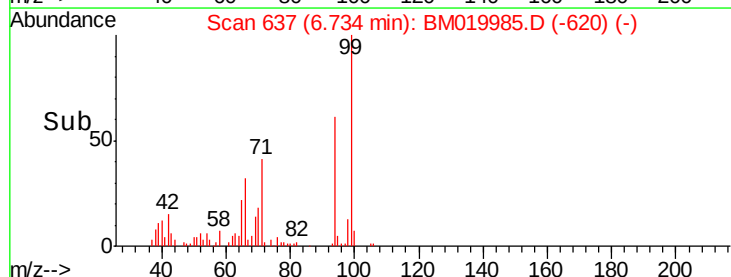
66 52.3 20.2 60.2

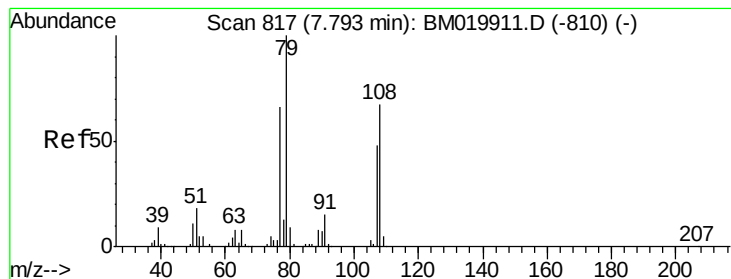


Abundance Ion 94.00 (93.70 to 94.70): BM019985.D (-620) (-)

Ion 65.00 (64.70 to 65.70): BM019985.D (-620) (-)

Ion 66.00 (65.70 to 66.70): BM019985.D (-620) (-)





#15

Benzyl Alcohol

Concen: 2.270 ng

RT: 7.82 min Scan# 821

Delta R.T. 0.04 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

Instrument :

BNA\_M

ClientSampleId :

DFTPP

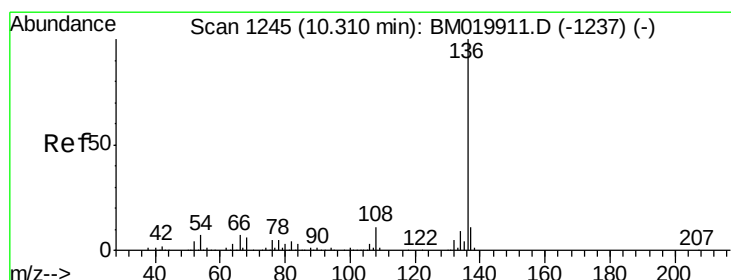
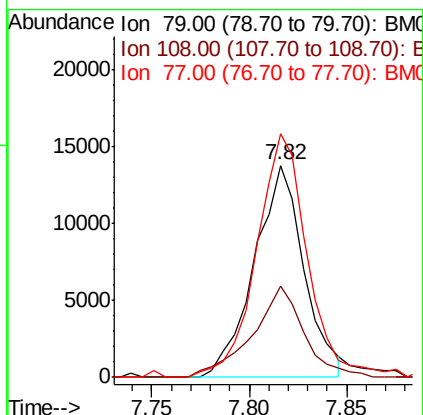
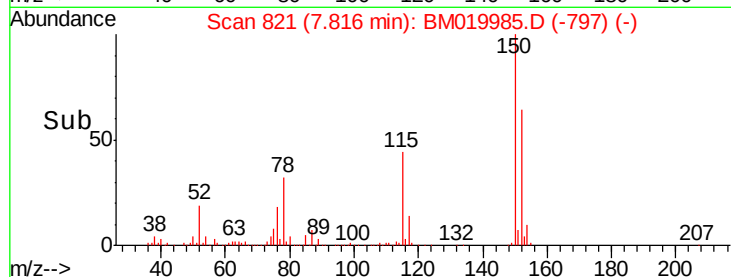
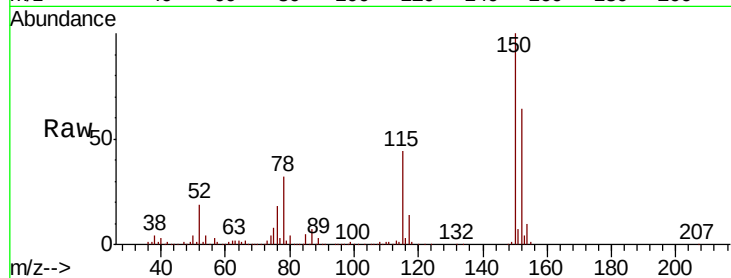
Tgt Ion: 79 Resp: 24395

Ion Ratio Lower Upper

79 100

108 43.2 53.9 80.9#

77 114.9 53.1 79.7#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

Tgt Ion: 136 Resp: 519417

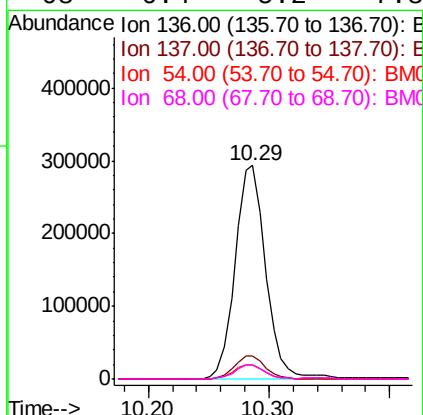
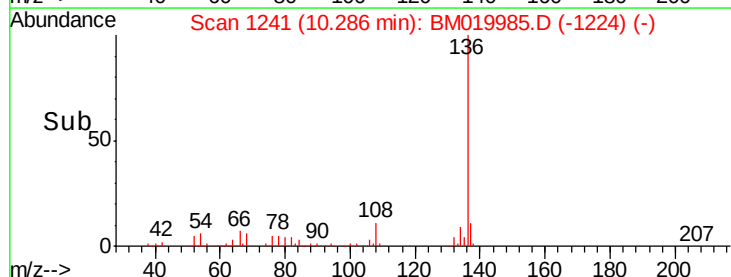
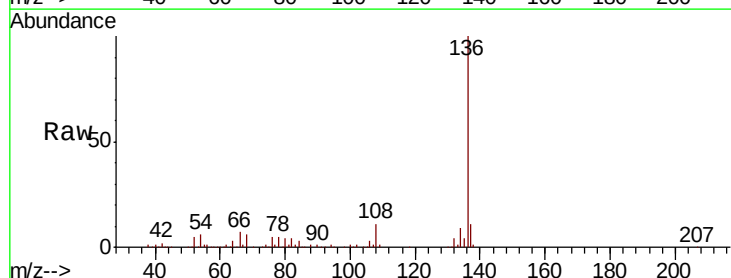
Ion Ratio Lower Upper

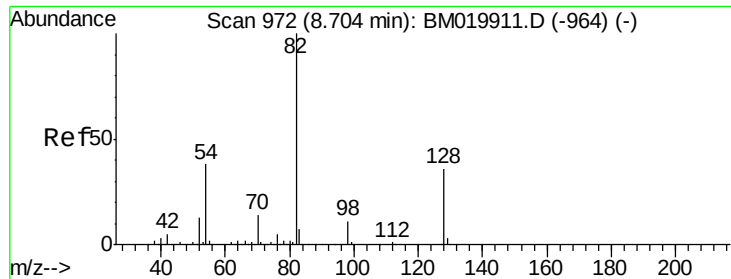
136 100

137 10.7 9.0 13.6

54 6.3 5.3 7.9

68 6.4 5.2 7.8

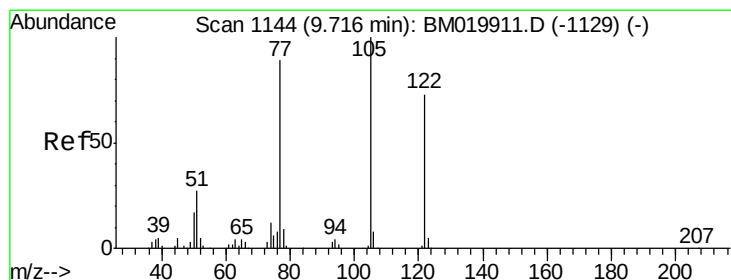
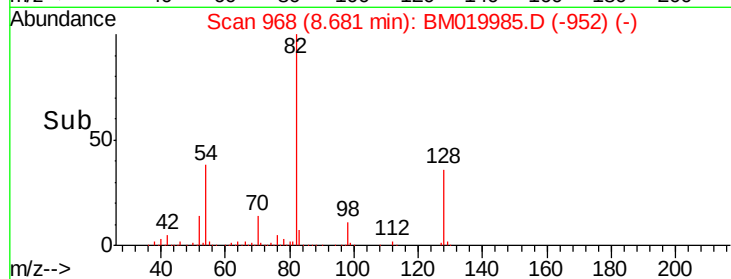
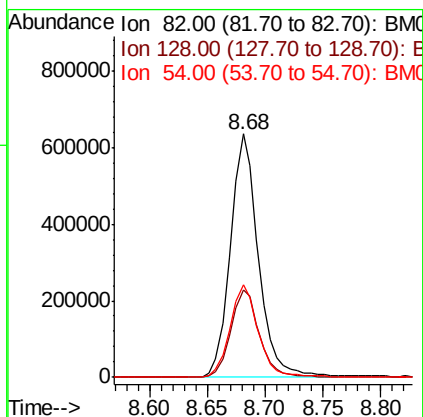
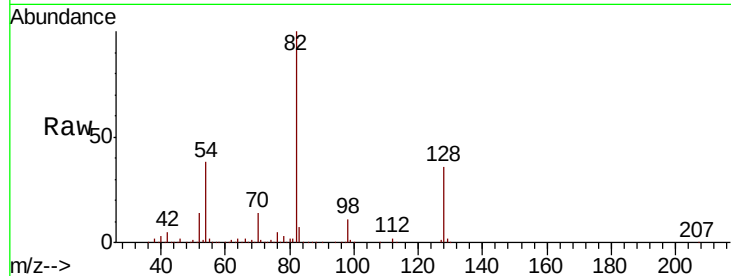




#23  
Nitrobenzene-d5  
Concen: 91.970 ng  
RT: 8.68 min Scan# 968  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

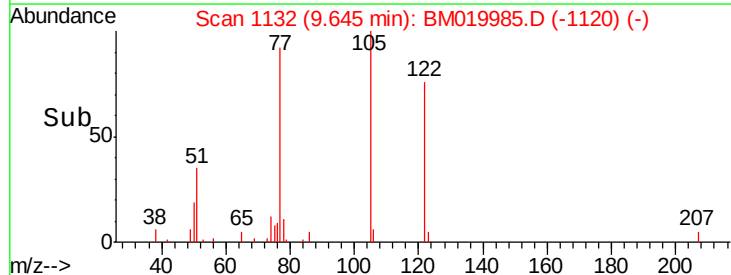
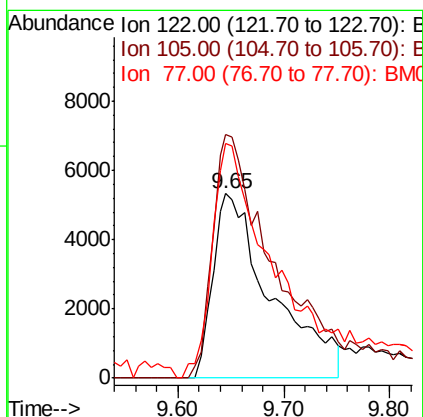
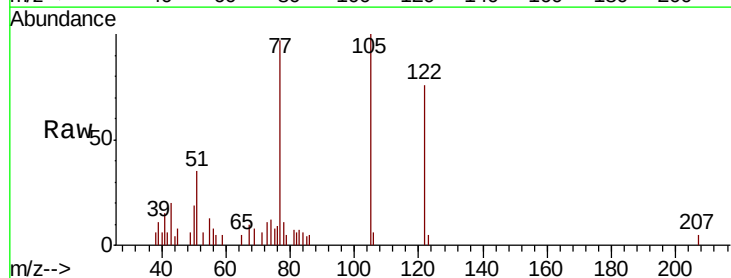
Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

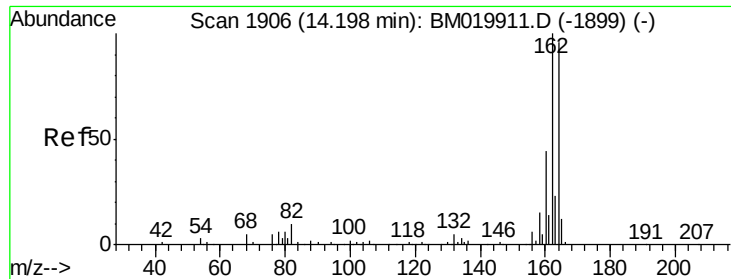
Tgt Ion: 82 Resp: 1068191  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.0 43.4  
54 37.8 30.2 45.4



#32  
Benzoic acid  
Concen: 7.754 ng  
RT: 9.65 min Scan# 1132  
Delta R.T. -0.03 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

Tgt Ion: 122 Resp: 20466  
Ion Ratio Lower Upper  
122 100  
105 132.0 114.8 154.8  
77 127.4 100.2 140.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.17 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

Instrument :

BNA\_M

ClientSampleId :

DFTPP

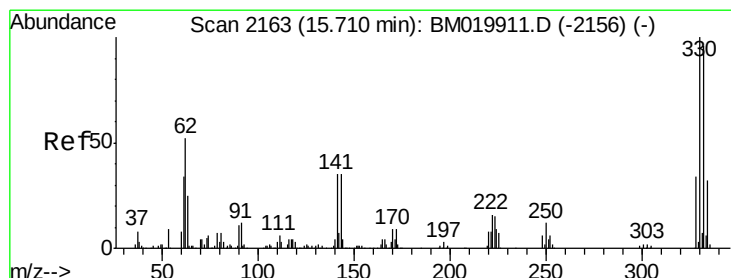
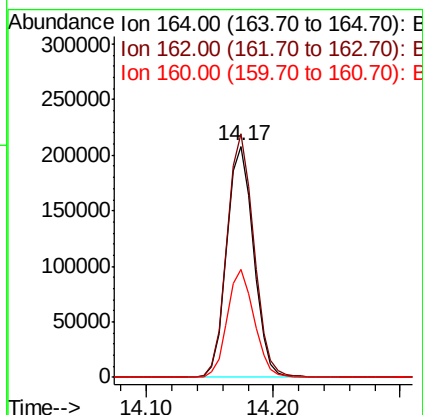
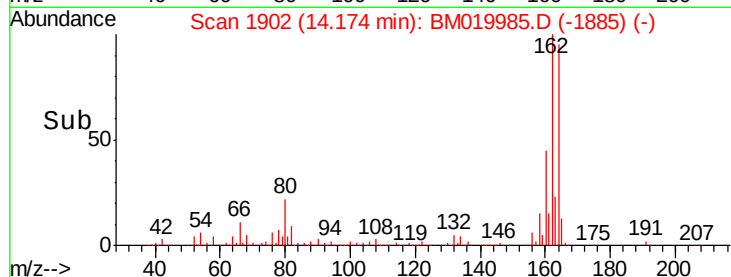
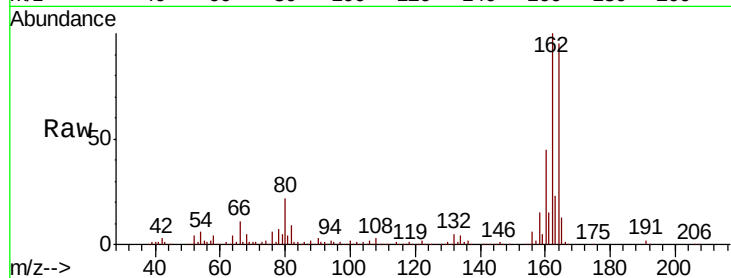
Tgt Ion:164 Resp: 305257

Ion Ratio Lower Upper

164 100

162 105.3 83.0 124.4

160 46.9 36.6 55.0



#42

2,4,6-Tribromophenol

Concen: 125.867 ng

RT: 15.69 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM019985.D

Acq: 19 Apr 2019 23:22

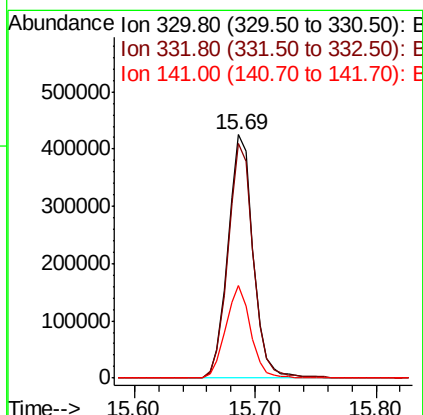
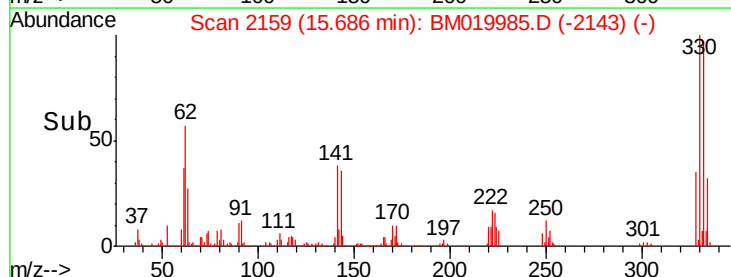
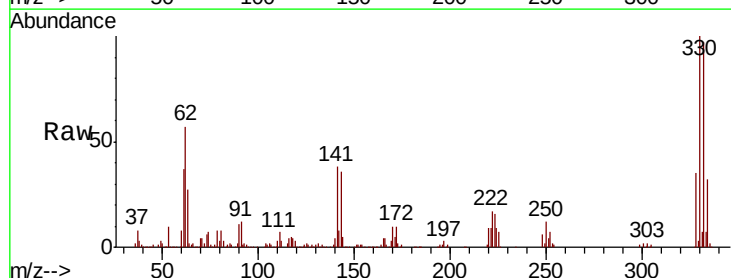
Tgt Ion:330 Resp: 618486

Ion Ratio Lower Upper

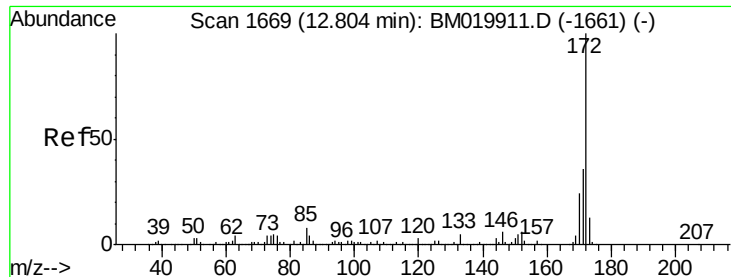
330 100

332 96.7 77.4 116.2

141 37.8 29.0 43.4



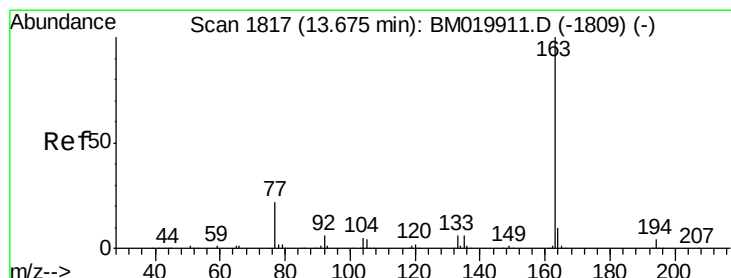
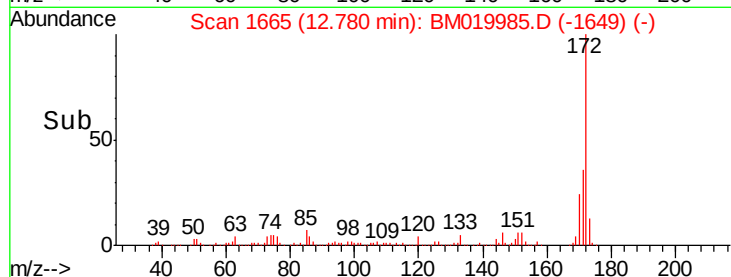
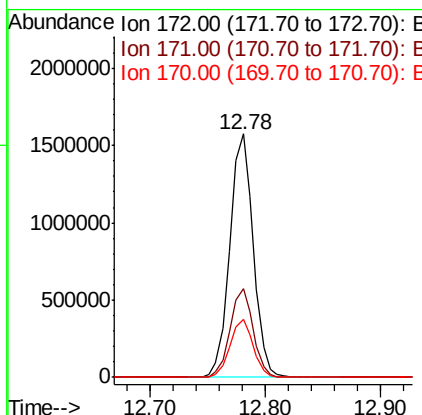
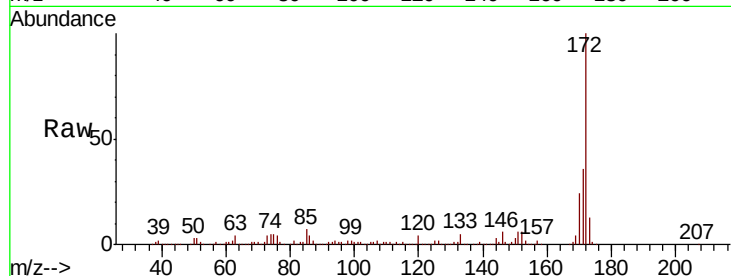




#45  
 2-Fluorobiphenyl  
 Concen: 90.256 ng  
 RT: 12.78 min Scan# 1665  
 Delta R.T. -0.01 min  
 Lab File: BM019985.D  
 Acq: 19 Apr 2019 23:22

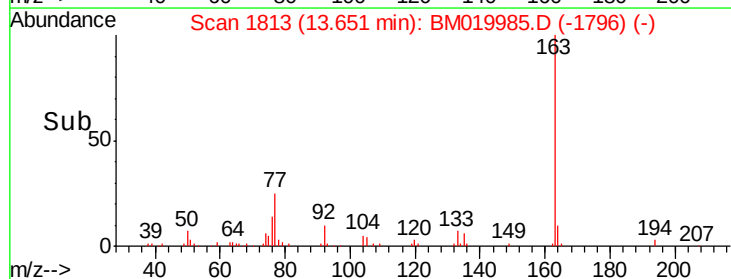
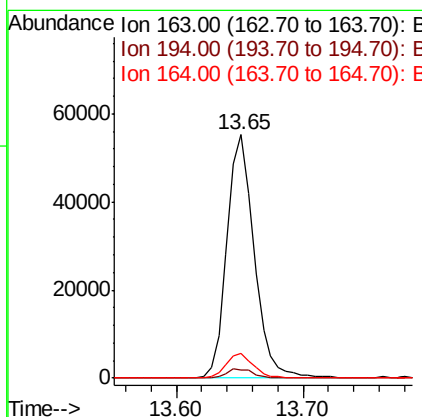
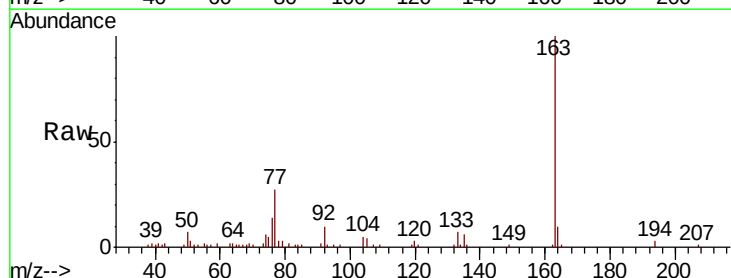
Instrument :  
 BNA\_M  
 ClientSampleId :  
 DFTPP

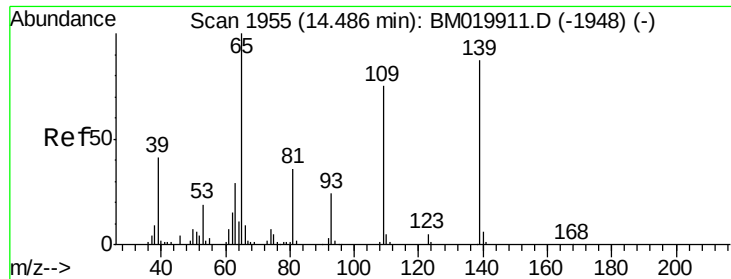
Tgt Ion:172 Resp: 2210759  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.9 43.3  
 170 23.9 19.0 28.4



#50  
 Dimethylphthalate  
 Concen: 3.055 ng  
 RT: 13.65 min Scan# 1813  
 Delta R.T. 0.00 min  
 Lab File: BM019985.D  
 Acq: 19 Apr 2019 23:22

Tgt Ion:163 Resp: 82260  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 3.1 4.7  
 164 10.1 7.9 11.9

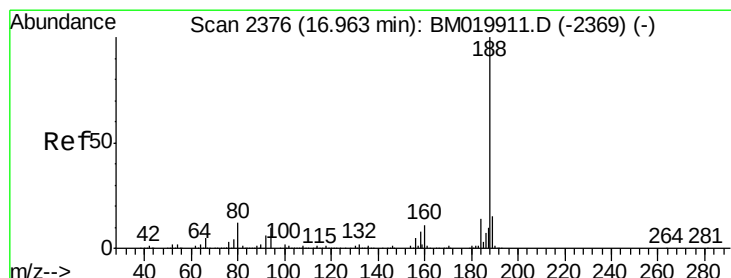
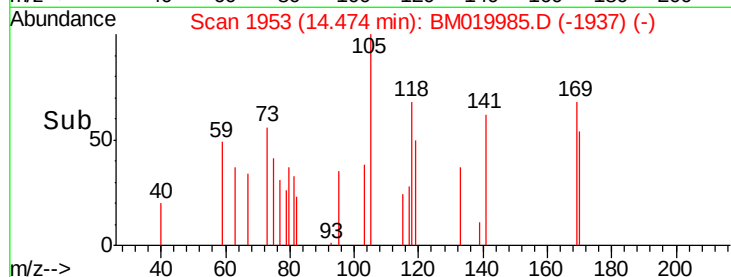
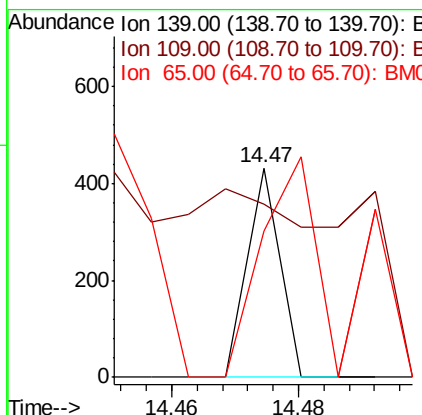
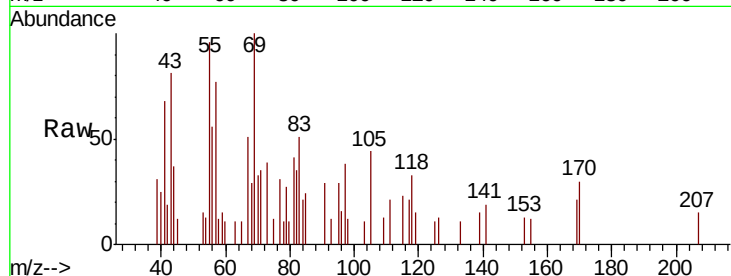




#56  
4-Nitrophenol  
Concen: 5.890 ng  
RT: 14.47 min Scan# 1953  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

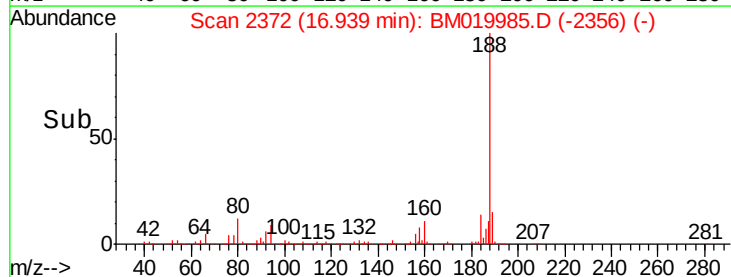
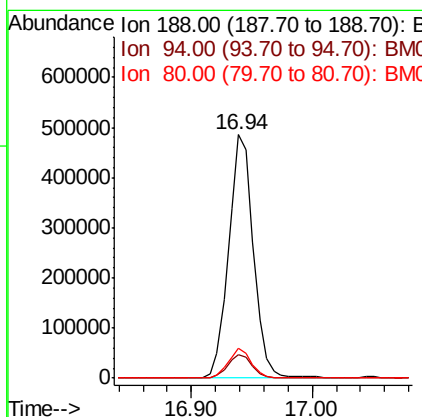
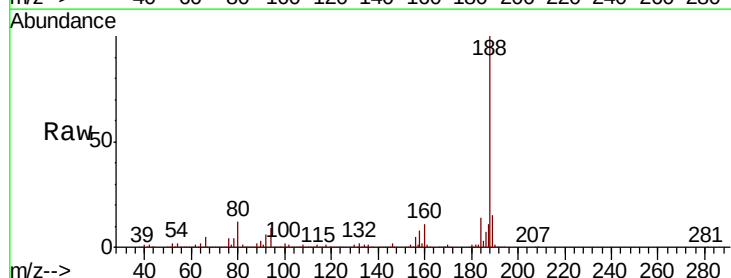
Instrument :  
BNA\_M  
ClientSampled :  
DFTPP

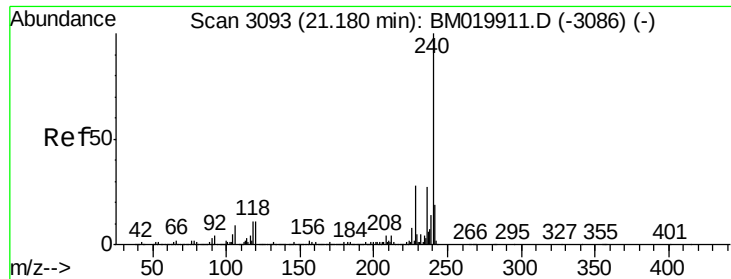
Tgt Ion:139 Resp: 152  
Ion Ratio Lower Upper  
139 100  
109 82.4 65.3 105.3  
65 69.9 94.9 134.9#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.94 min Scan# 2372  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

Tgt Ion:188 Resp: 692248  
Ion Ratio Lower Upper  
188 100  
94 9.5 7.6 11.4  
80 12.3 9.4 14.0

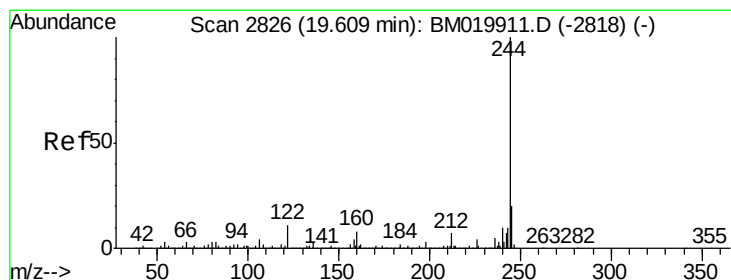
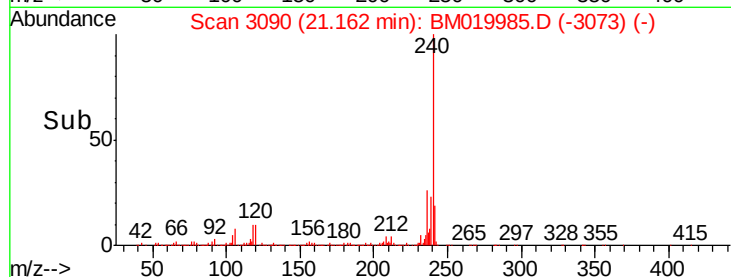
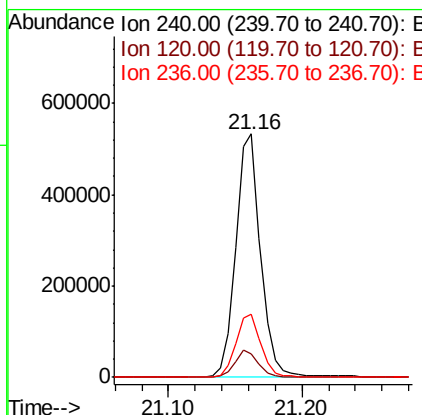
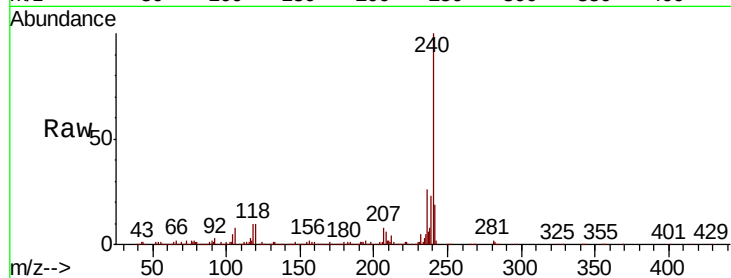




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.16 min Scan# 3090  
Delta R.T. 0.00 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

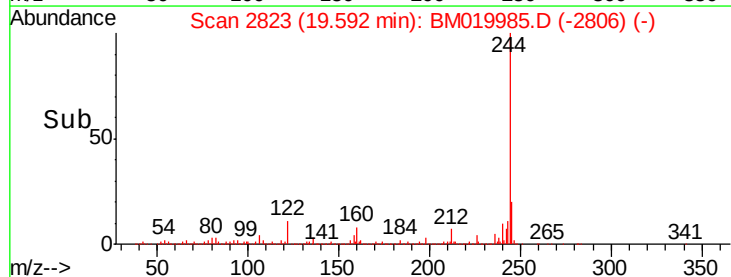
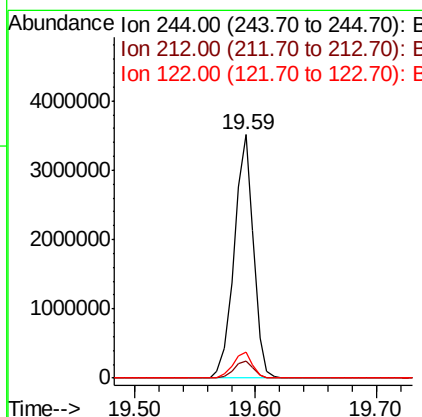
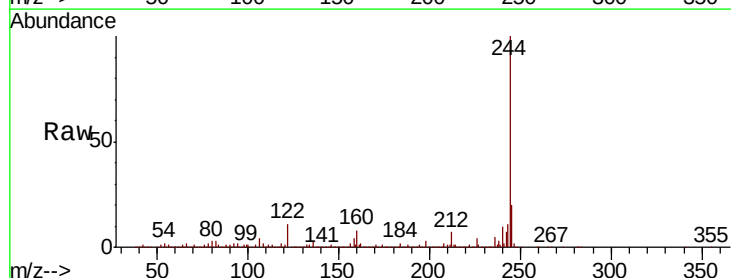
Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

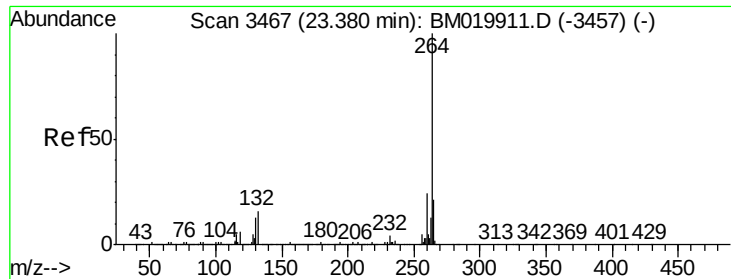
Tgt Ion:240 Resp: 688473  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.6 13.0  
236 26.1 21.4 32.2



#79  
Terphenyl-d14  
Concen: 100.013 ng  
RT: 19.59 min Scan# 2823  
Delta R.T. 0.00 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

Tgt Ion:244 Resp: 3903796  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.7 8.5  
122 10.6 9.1 13.7





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3461  
Delta R.T. -0.01 min  
Lab File: BM019985.D  
Acq: 19 Apr 2019 23:22

Instrument :  
BNA\_M  
ClientSampleId :  
DFTPP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 22.3  | 17.2  | 25.8  |

