

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120518\  
 Data File : BM017906.D  
 Acq On : 04 Dec 2018 17:22  
 Operator : JU/SJ  
 Sample : J6074-07 2X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 004-WC-NY4

Quant Time: Dec 04 17:56:21 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM111218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 16:11:55 2018  
 Response via : Initial Calibration

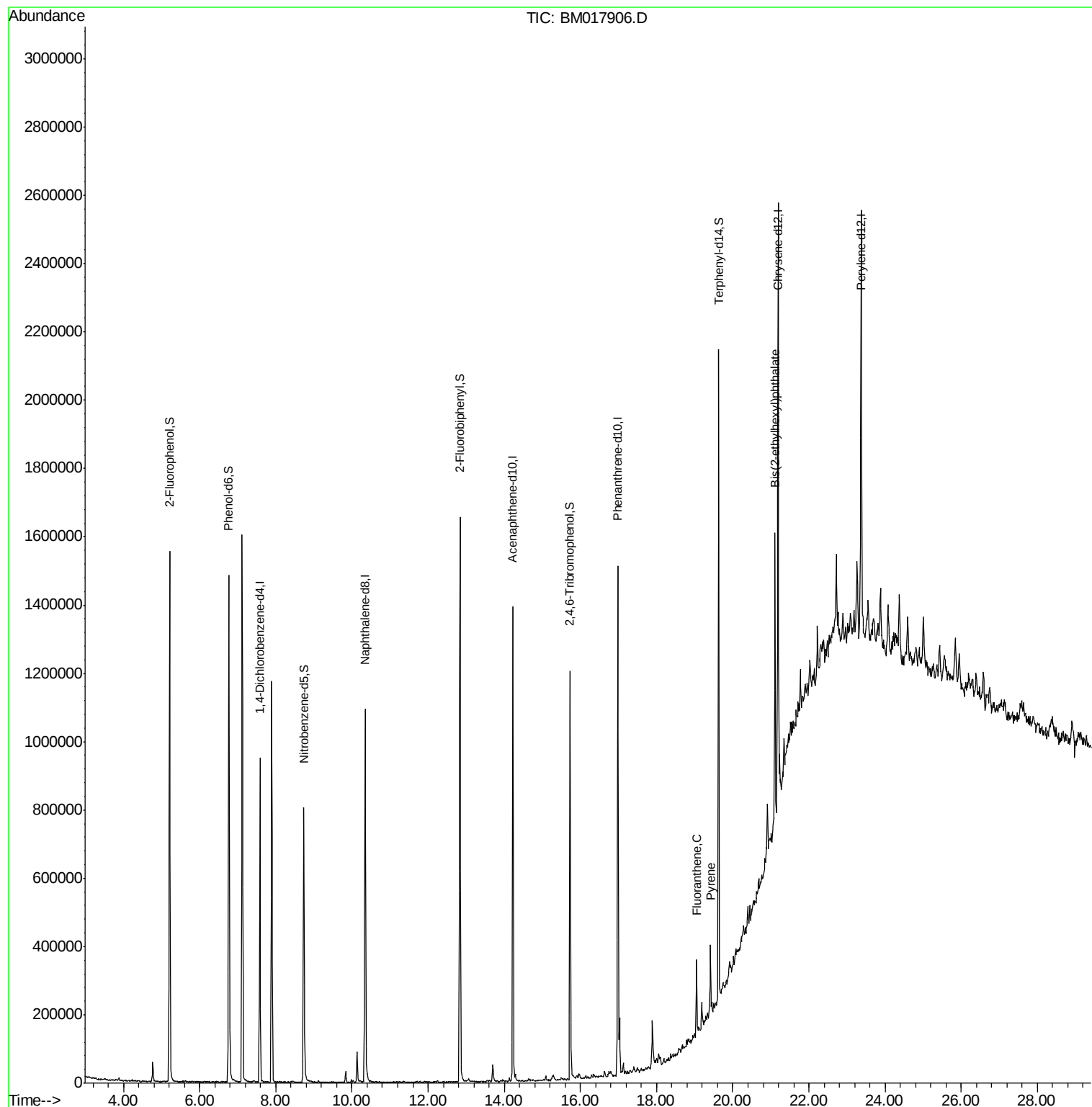
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.58  | 152  | 258605   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.35 | 136  | 975983   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.23 | 164  | 470698   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10           | 16.99 | 188  | 881983   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12               | 21.19 | 240  | 830868   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12               | 23.37 | 264  | 922797   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.21  | 112  | 670575   | 43.76 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.77  | 99   | 870749   | 40.69 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.73  | 82   | 502228   | 26.57 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 15.73 | 330  | 245818   | 36.35 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 12.84 | 172  | 935419   | 25.78 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.63 | 244  | 873915   | 23.84 | ng    | 0.00     |
| Target Compounds               |       |      |          |       |       |          |
| 75) Fluoranthene               | 19.05 | 202  | 126503   | 2.336 | ng    | 98       |
| 78) Pyrene                     | 19.42 | 202  | 117002   | 2.282 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 21.11 | 149  | 294879   | 9.580 | ng    | # 97     |

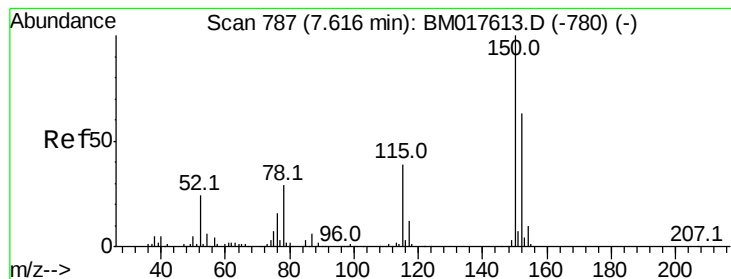
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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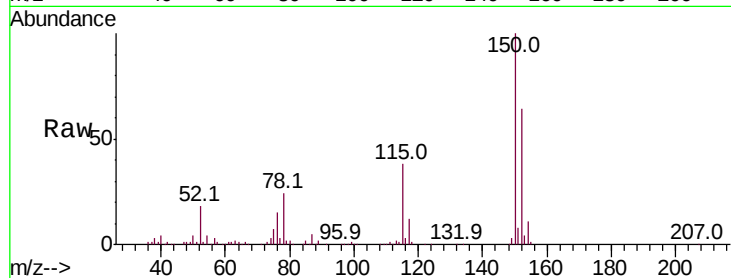


#1

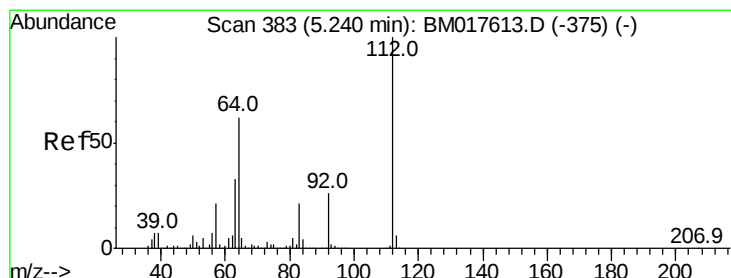
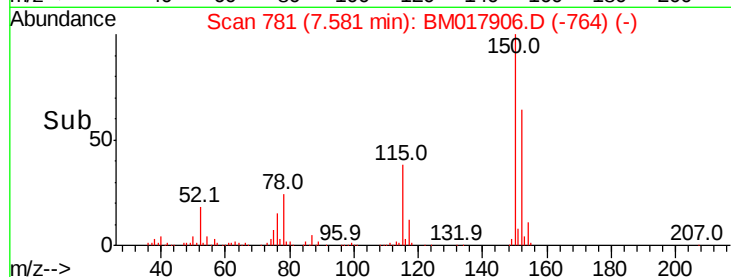
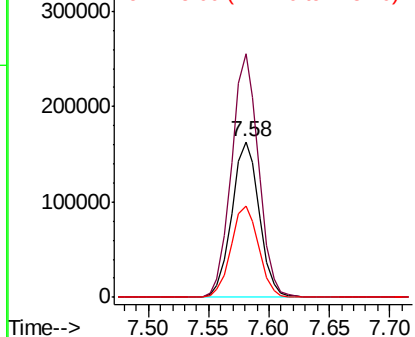
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.58 min Scan# 781  
Delta R.T. -0.00 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

Instrument :  
BNA\_M  
ClientSampleId :  
004-WC-NY4

Tot Ion:152 Resp: 258605  
Ion Ratio Lower Upper  
152 100  
150 156.3 126.4 189.6  
115 58.9 49.4 74.0



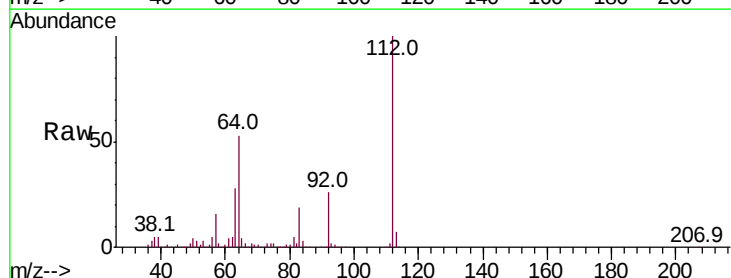
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



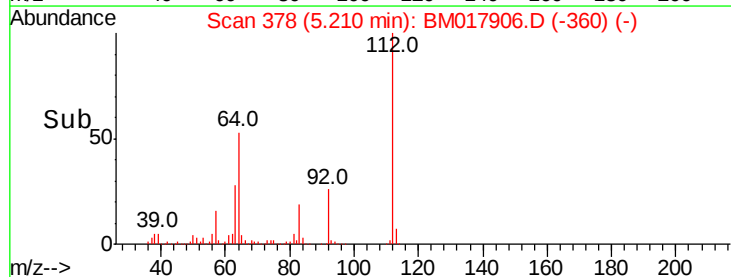
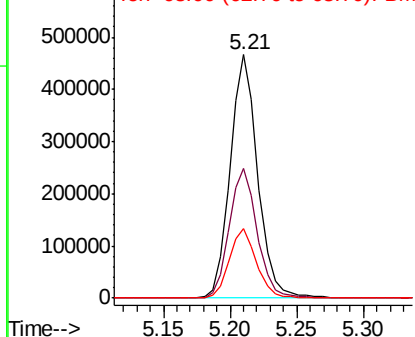
#5

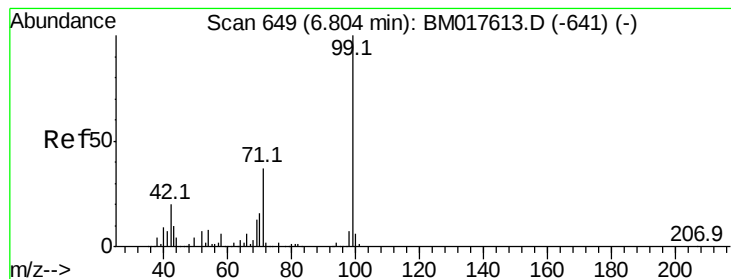
2-Fluorophenol  
Concen: 43.761 ng  
RT: 5.21 min Scan# 378  
Delta R.T. 0.01 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

Tgt Ion:112 Resp: 670575  
Ion Ratio Lower Upper  
112 100  
64 53.3 49.3 73.9  
63 28.3 26.2 39.4



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: 40.687 ng

RT: 6.77 min Scan# 643

Delta R.T. -0.00 min

Lab File: BM017906.D

Acq: 04 Dec 2018 17:22

Instrument :

BNA\_M

ClientSampleId :

004-WC-NY4

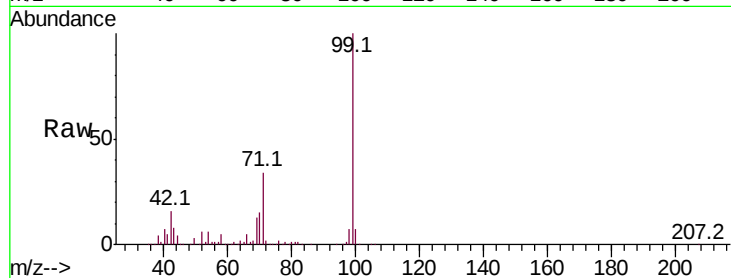
Tot Ion: 99 Resp: 870749

Ion Ratio Lower Upper

99 100

42 16.2 16.3 24.5#

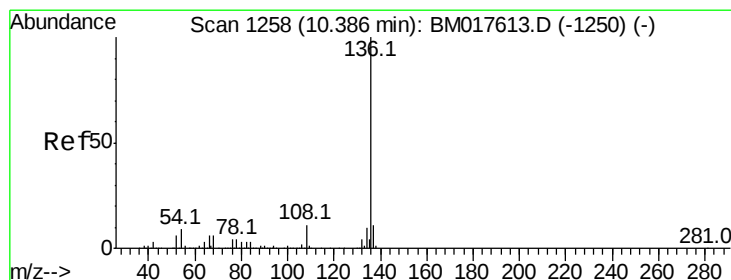
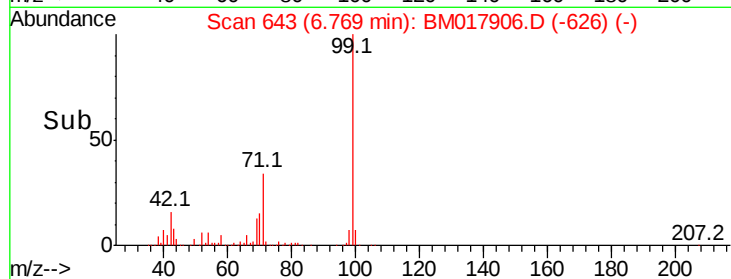
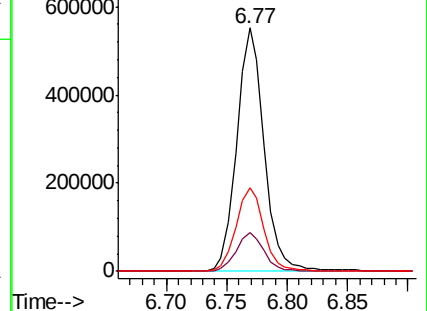
71 34.2 29.8 44.8



Abundance Ion 99.00 (98.70 to 99.70): BM017613.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BM017613.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BM017613.D (-641) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 1251

Delta R.T. -0.00 min

Lab File: BM017906.D

Acq: 04 Dec 2018 17:22

Tgt Ion: 136 Resp: 975983

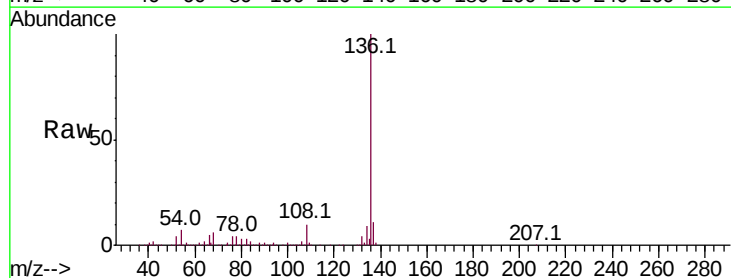
Ion Ratio Lower Upper

136 100

137 10.5 8.6 12.8

54 6.9 7.0 10.6#

68 5.9 4.9 7.3

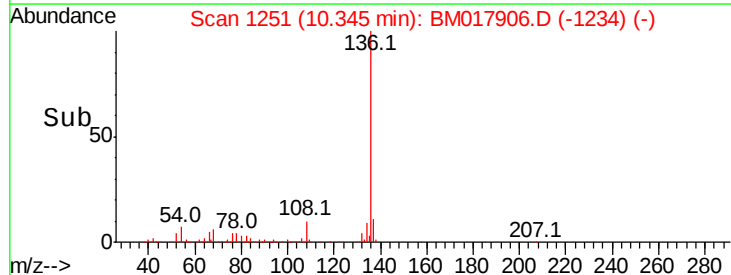
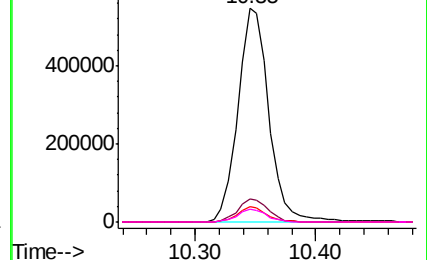


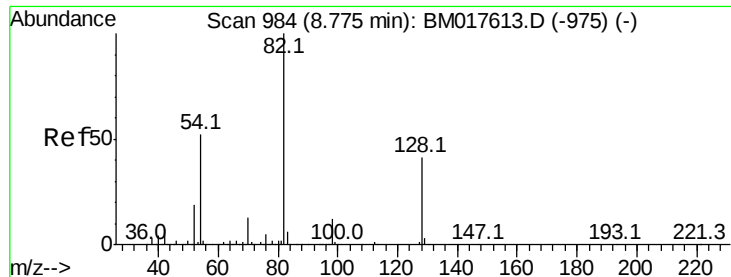
Abundance Ion 136.00 (135.70 to 136.70): BM017613.D (-1250) (-)

Ion 137.00 (136.70 to 137.70): BM017613.D (-1250) (-)

Ion 54.00 (53.70 to 54.70): BM017613.D (-1250) (-)

Ion 68.00 (67.70 to 68.70): BM017613.D (-1250) (-)

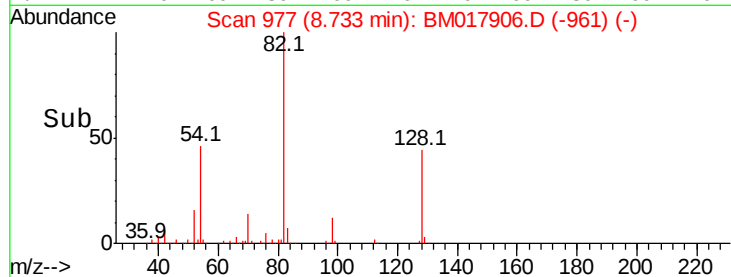
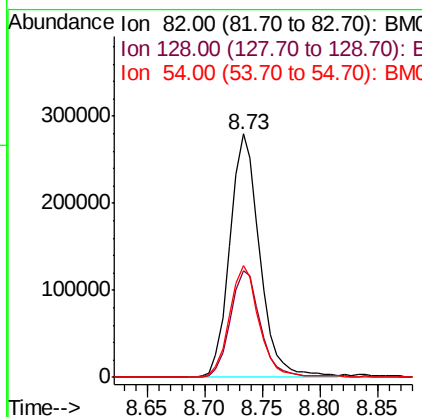
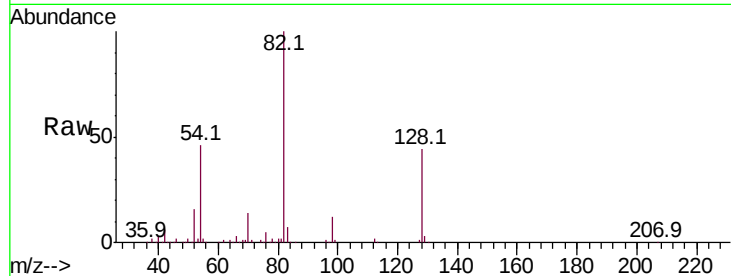




#23  
 Nitrobenzene-d5  
 Concen: 26.566 ng  
 RT: 8.73 min Scan# 977  
 Delta R.T. -0.01 min  
 Lab File: BM017906.D  
 Acq: 04 Dec 2018 17:22

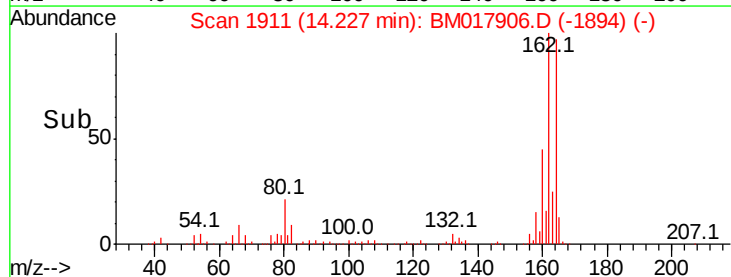
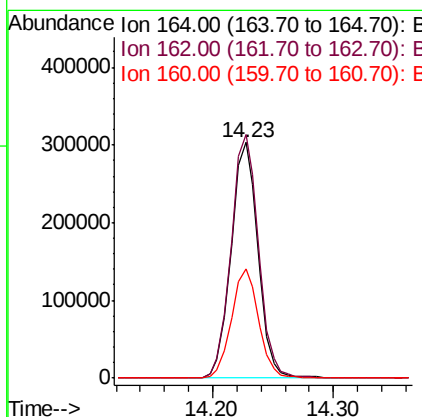
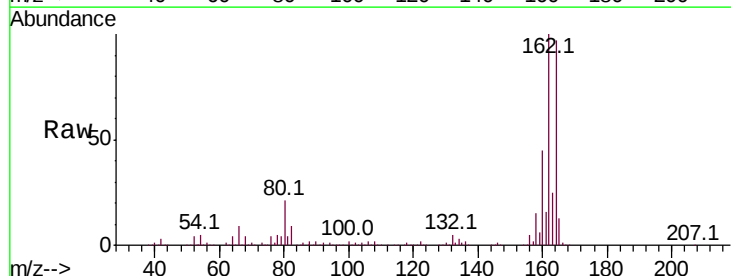
Instrument :  
 BNA\_M  
 ClientSampleId :  
 004-WC-NY4

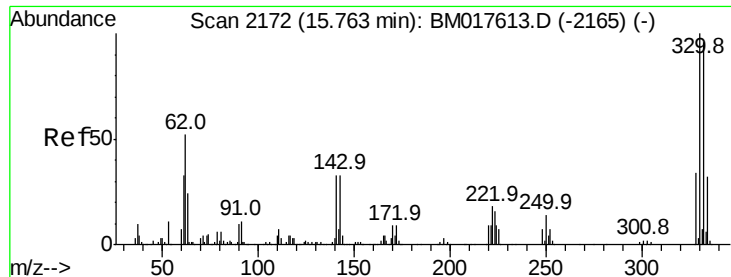
| Tot Ion   | 82   | Resp  | 502228 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 43.8 | 33.0  | 49.4   |
| 54        | 46.0 | 41.4  | 62.2   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.23 min Scan# 1911  
 Delta R.T. -0.00 min  
 Lab File: BM017906.D  
 Acq: 04 Dec 2018 17:22

| Tgt Ion   | 164   | Resp  | 470698 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.4 | 81.4  | 122.0  |
| 160       | 46.5  | 35.6  | 53.4   |

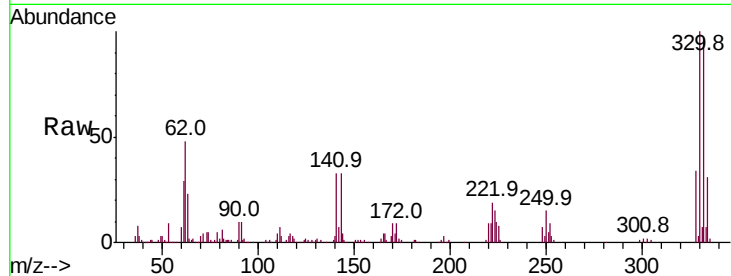




#42  
 2,4,6-Tribromophenol  
 Concen: 36.346 ng  
 RT: 15.73 min Scan# 2166  
 Delta R.T. -0.01 min  
 Lab File: BM017906.D  
 Acq: 04 Dec 2018 17:22

Instrument :  
 BNA\_M  
 ClientSampleId :  
 004-WC-NY4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 77.9  | 116.9 |
| 141     | 32.6  | 27.5  | 41.3  |

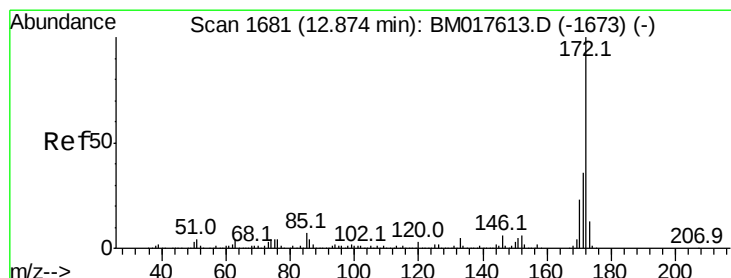
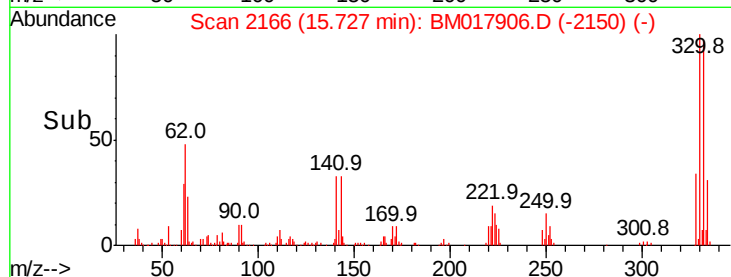
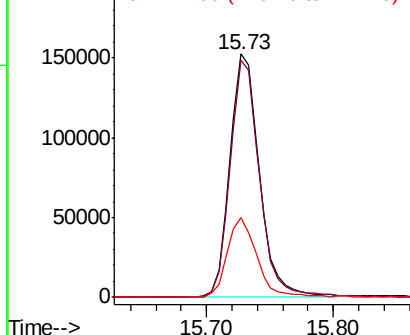


Abundance

Ion 329.80 (329.50 to 330.50): E

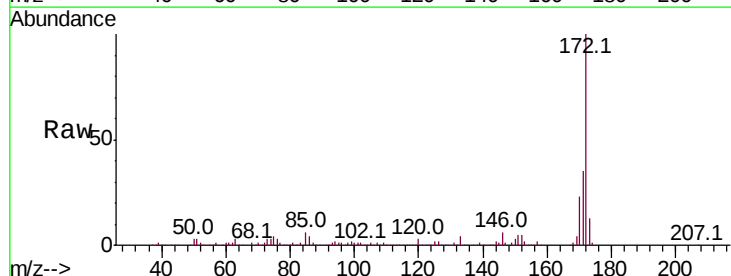
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 25.782 ng  
 RT: 12.84 min Scan# 1675  
 Delta R.T. -0.00 min  
 Lab File: BM017906.D  
 Acq: 04 Dec 2018 17:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.2  | 28.7  | 43.1  |
| 170     | 22.5  | 18.3  | 27.5  |

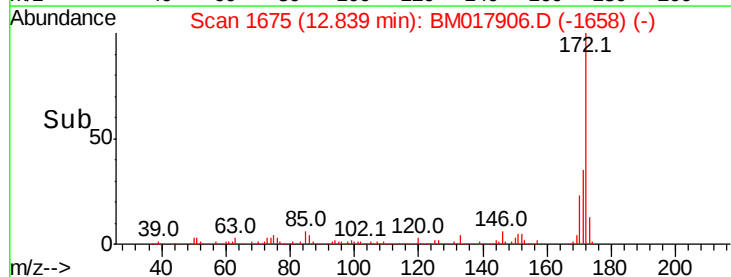
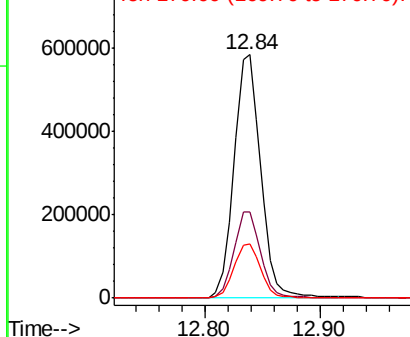


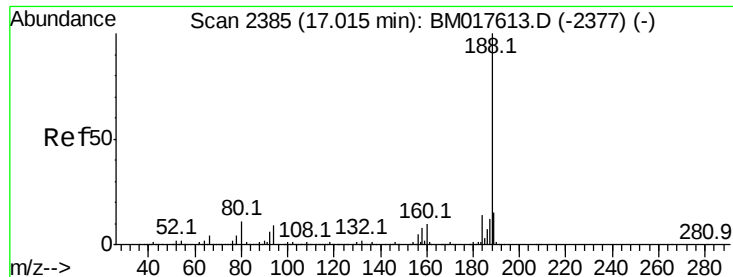
Abundance

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

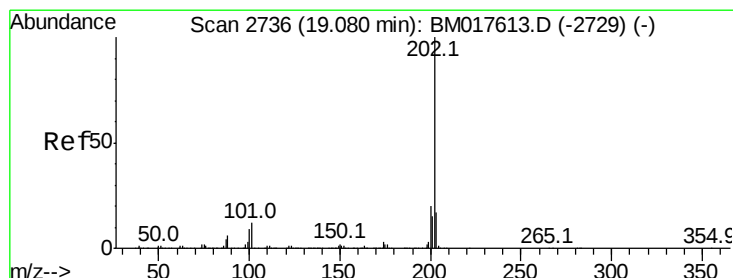
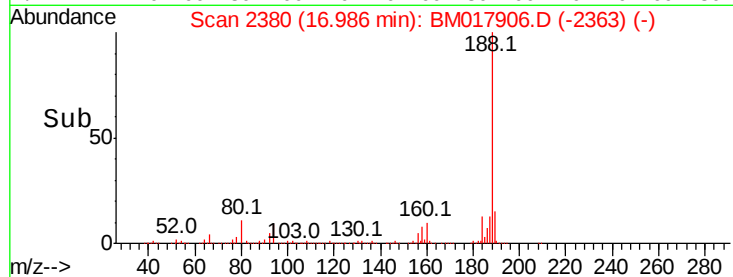
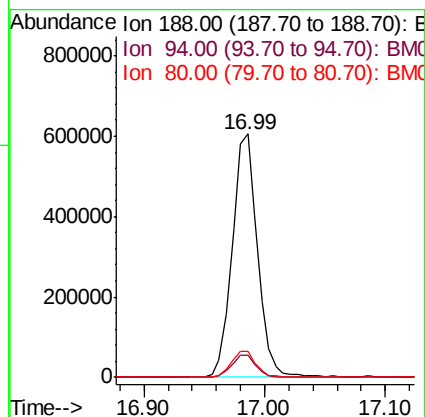
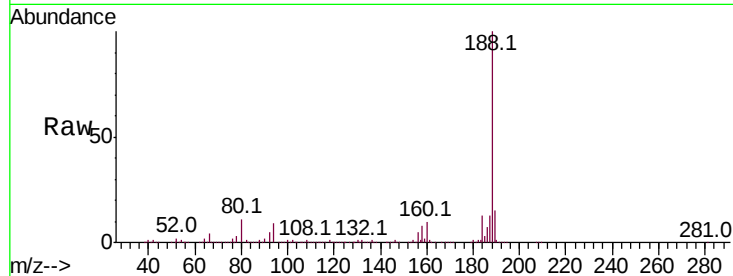




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.99 min Scan# 2380  
Delta R.T. -0.00 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

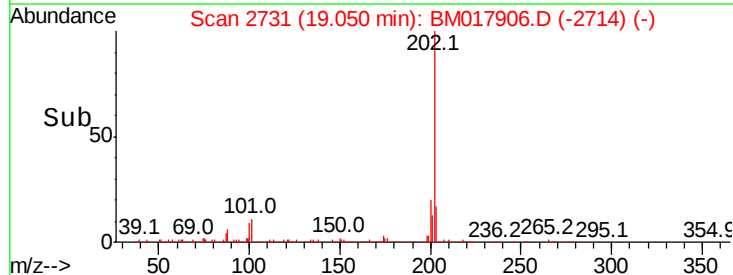
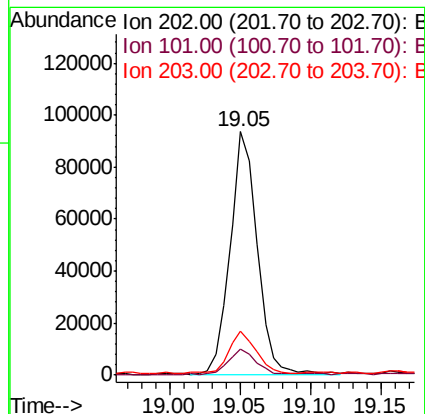
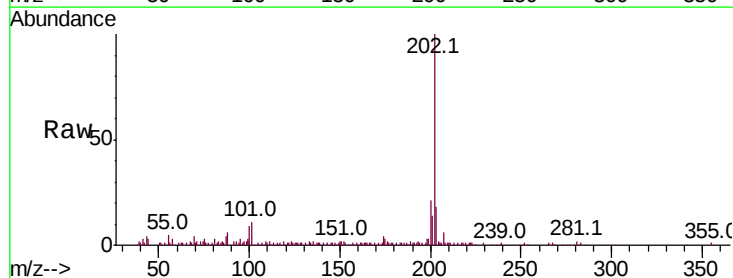
Instrument :  
BNA\_M  
ClientSampleId :  
004-WC-NY4

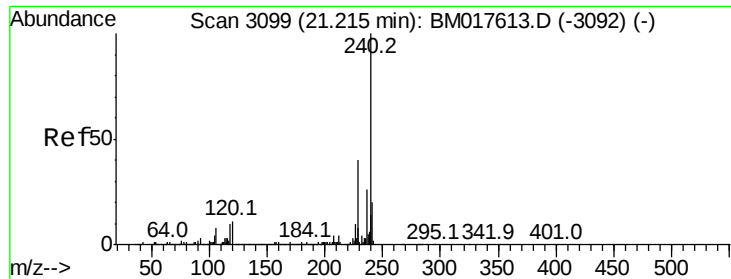
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 7.5   | 11.3  |
| 80      | 10.7  | 8.6   | 13.0  |



#75  
Fluoranthene  
Concen: 2.336 ng  
RT: 19.05 min Scan# 2731  
Delta R.T. -0.00 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.0  | 0.0   | 31.5  |
| 203     | 18.3  | 0.0   | 37.2  |

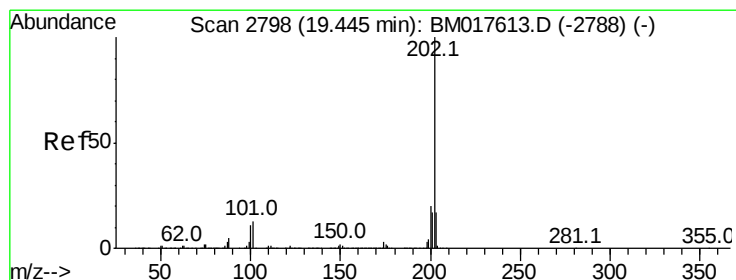
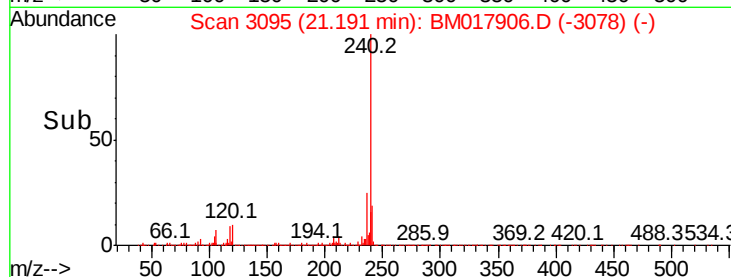
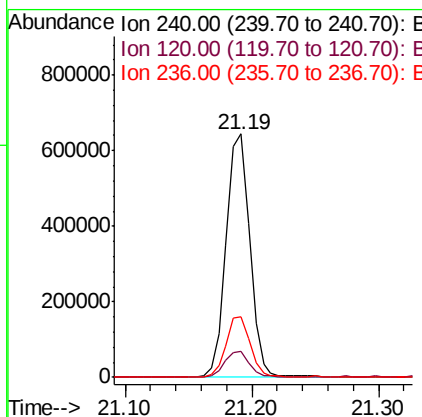
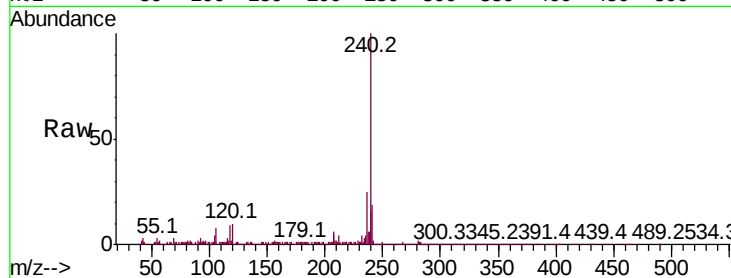




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.19 min Scan# 3095  
Delta R.T. -0.00 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

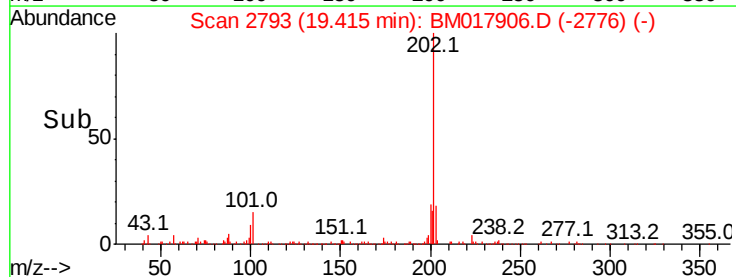
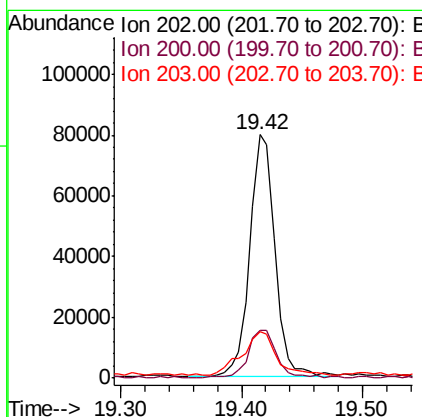
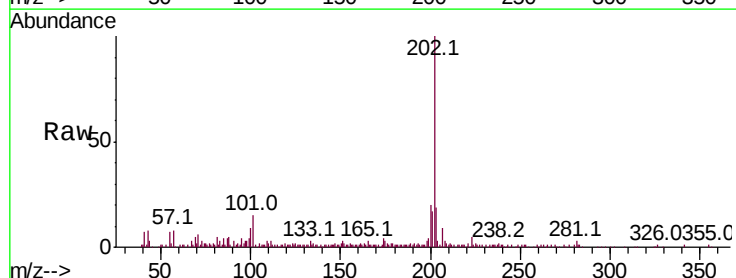
Instrument :  
BNA\_M  
ClientSampleId :  
004-WC-NY4

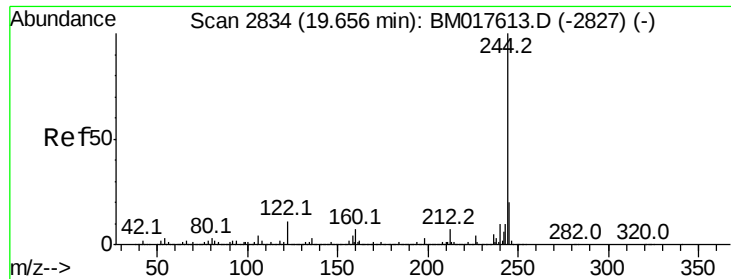
Tot Ion:240 Resp: 830868  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.5 12.7  
236 25.1 20.4 30.6



#78  
Pyrene  
Concen: 2.282 ng  
RT: 19.42 min Scan# 2793  
Delta R.T. -0.00 min  
Lab File: BM017906.D  
Acq: 04 Dec 2018 17:22

Tgt Ion:202 Resp: 117002  
Ion Ratio Lower Upper  
202 100  
200 19.5 16.4 24.6  
203 19.3 13.8 20.8





#79

Terphenyl-d14

Concen: 23.838 ng

RT: 19.63 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM017906.D

Acq: 04 Dec 2018 17:22

Instrument :

BNA\_M

ClientSampleId :

004-WC-NY4

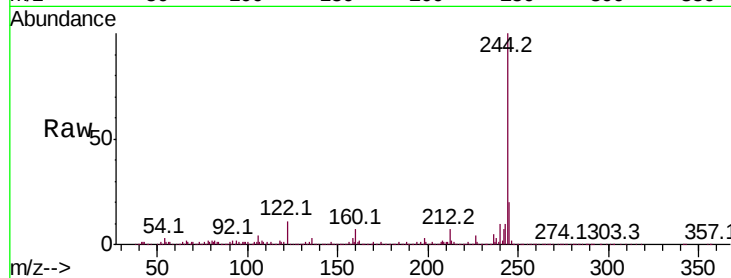
Tot Ion:244 Resp: 873915

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

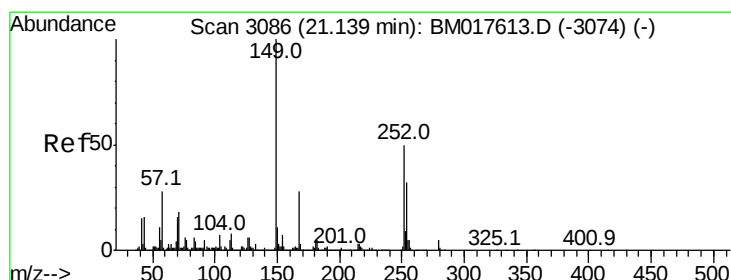
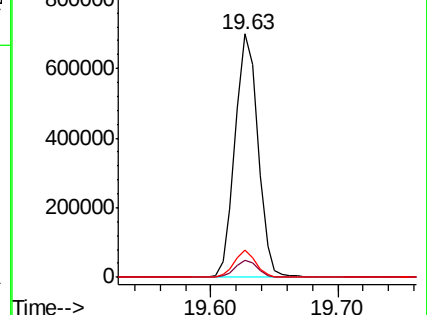
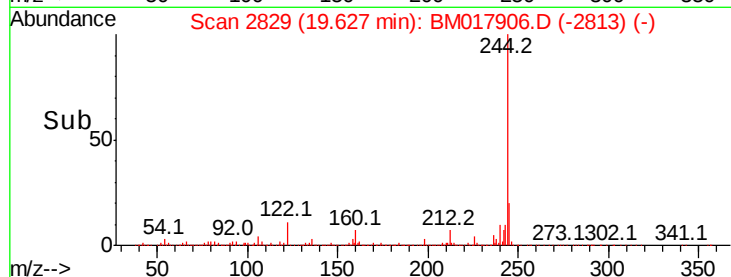
122 11.2 9.0 13.6



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.580 ng

RT: 21.11 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BM017906.D

Acq: 04 Dec 2018 17:22

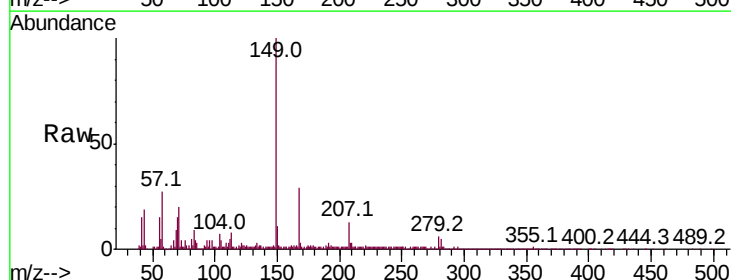
Tgt Ion:149 Resp: 294879

Ion Ratio Lower Upper

149 100

167 29.2 22.2 33.4

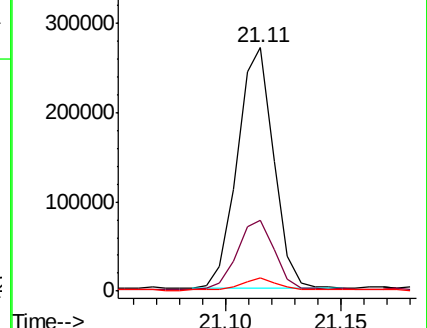
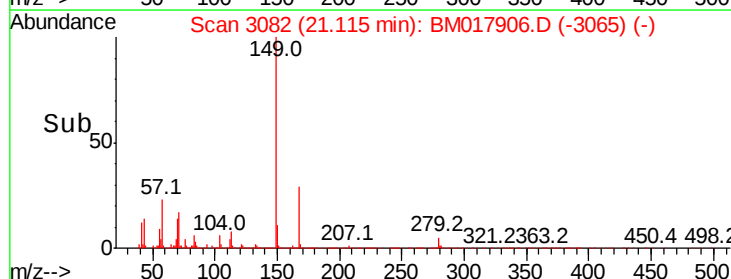
279 5.7 3.7 5.5#

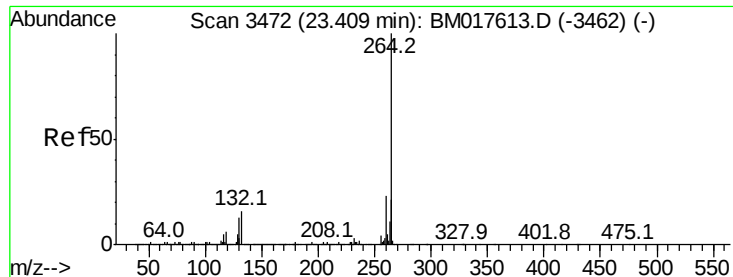


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3466

Delta R.T. 0.01 min

Lab File: BM017906.D

Acq: 04 Dec 2018 17:22

Instrument :

BNA\_M

ClientSampleId :

004-WC-NY4

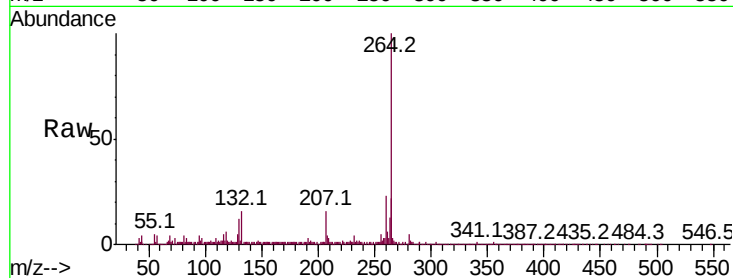
Tot Ion:264 Resp: 922797

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.2

265 22.3 17.5 26.3



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

