

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042319\  
 Data File : BM020046.D  
 Acq On : 23 Apr 2019 20:56  
 Operator : JU/SJ  
 Sample : K2522-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WELL-1

Manual Integrations  
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 4/24/2019 11:49:32 AM

Quant Time: Apr 24 04:39:45 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   | 7.49  | 152  | 90622    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.27 | 136  | 328389m  | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.16 | 164  | 179396m  | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 16.93 | 188  | 380658   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.15 | 240  | 392143   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 23.33 | 264  | 490239m  | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.11  | 112  | 325245   | 58.17  | ng    | -0.02    |
| 7) Phenol-d6                | 6.69  | 99   | 255613   | 30.37  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.67  | 82   | 583127   | 79.41  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.67 | 330  | 335625   | 116.22 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.76 | 172  | 1208968  | 83.98  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.57 | 244  | 2049163  | 92.17  | ng    | -0.02    |

Target Compounds Qvalue

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

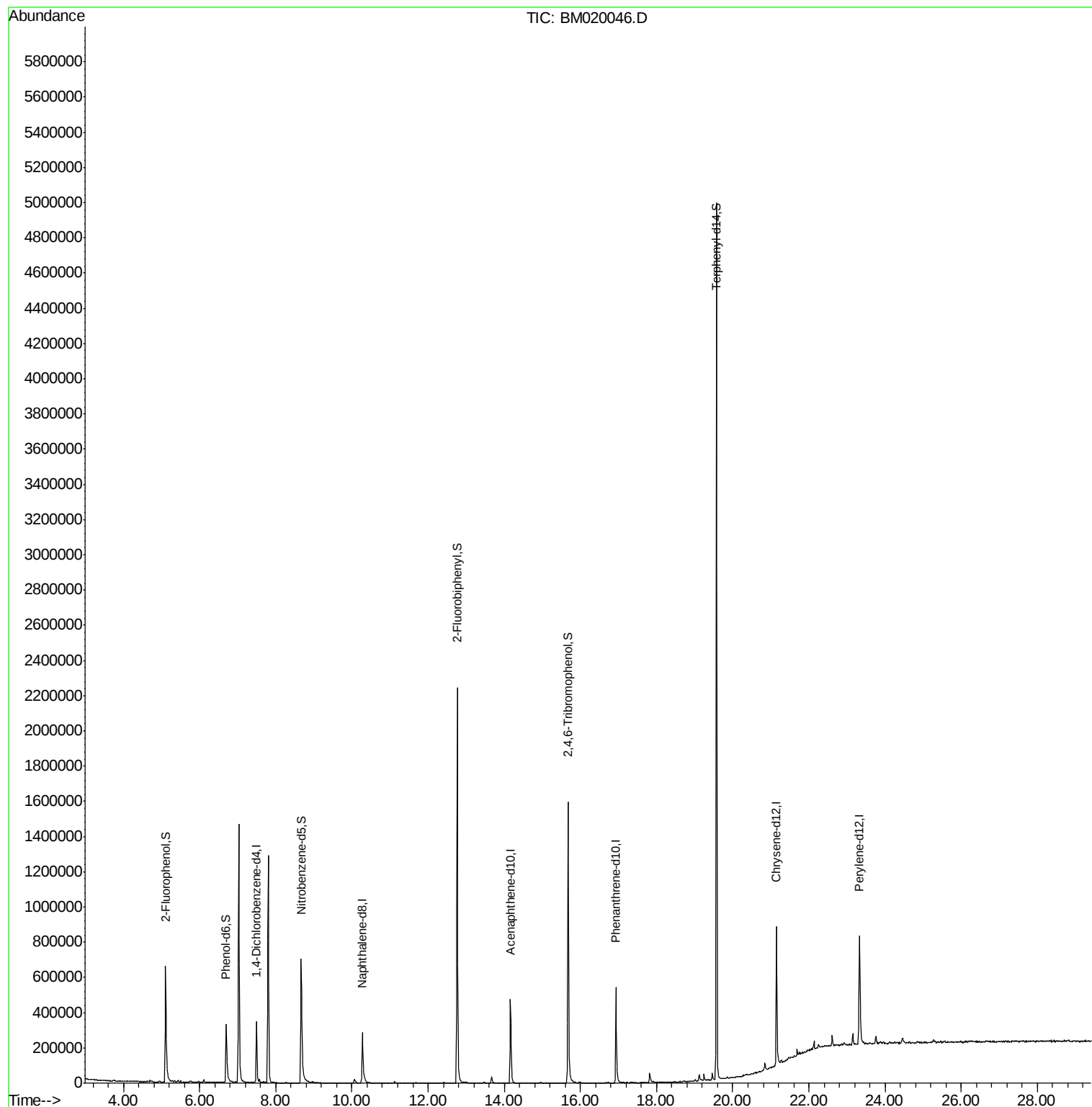
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042319\  
Data File : BM020046.D  
Acq On : 23 Apr 2019 20:56  
Operator : JU/SJ  
Sample : K2522-01  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

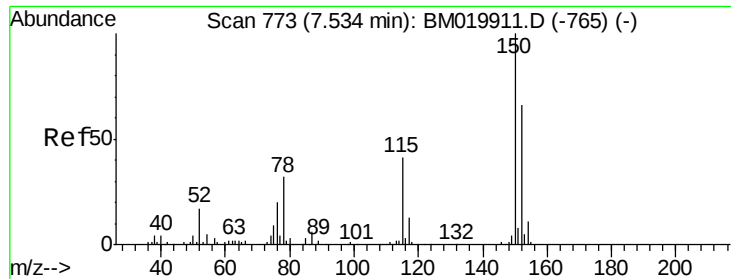
Instrument :  
BNA\_M  
ClientSampleId :  
WELL-1

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Quant Time: Apr 24 04:39:45 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

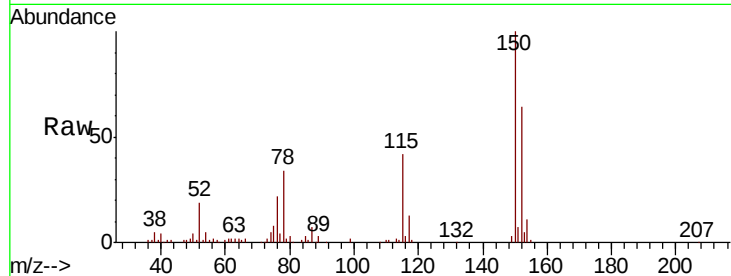
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.49 min Scan# 766  
Delta R.T. -0.02 min  
Lab File: BM020046.D  
Acq: 23 Apr 2019 20:56

Instrument :  
BNA\_M  
ClientSampled :  
WELL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.4 | 122.1 | 183.1 |
| 115     | 65.4  | 50.0  | 75.0  |

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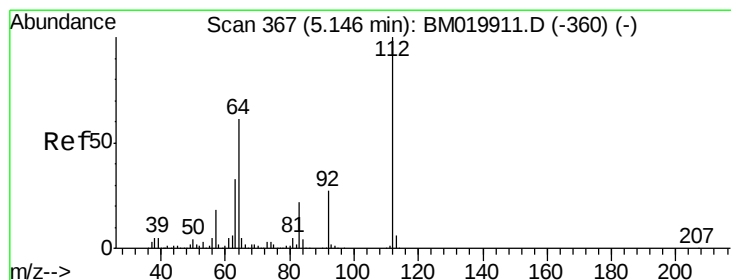
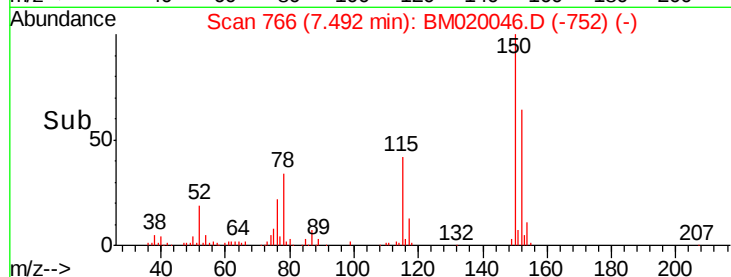
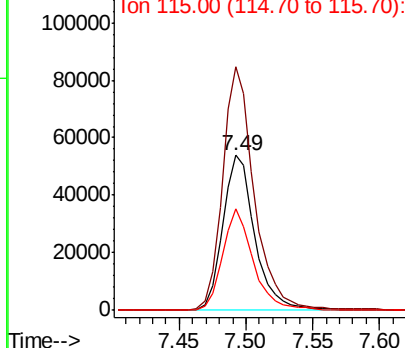


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

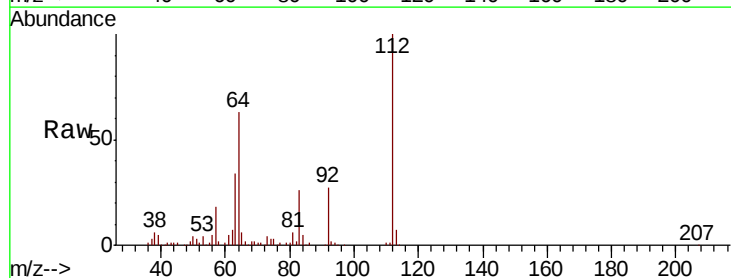
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 58.166 ng  
RT: 5.11 min Scan# 361  
Delta R.T. -0.02 min  
Lab File: BM020046.D  
Acq: 23 Apr 2019 20:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.1  | 49.1  | 73.7  |
| 63      | 34.1  | 26.5  | 39.7  |

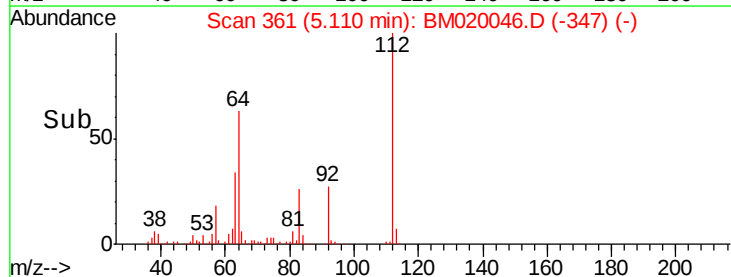
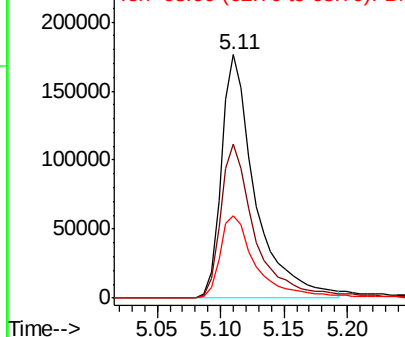


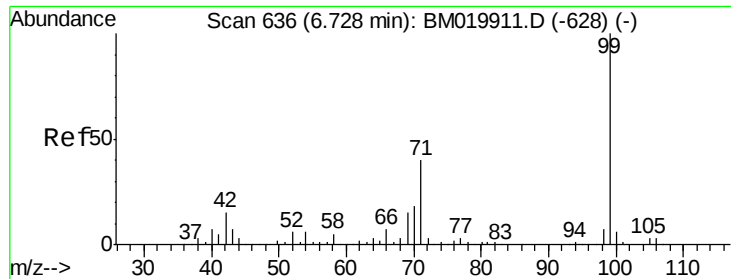
Abundance

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: 30.374 ng

RT: 6.69 min Scan# 630

Delta R.T. -0.02 min

Lab File: BM020046.D

Acq: 23 Apr 2019 20:56

Instrument :

BNA\_M

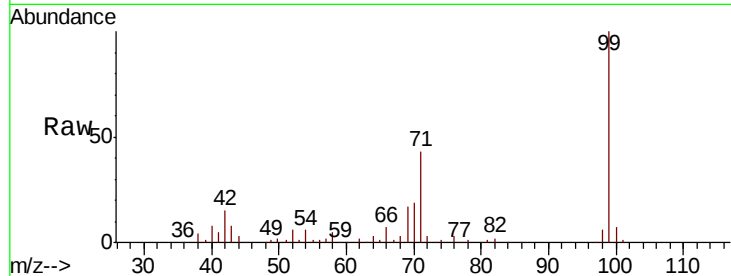
ClientSampled :

WELL-1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 255613 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.5  | 11.8  | 17.8   |
| 71        | 43.0  | 32.0  | 48.0   |

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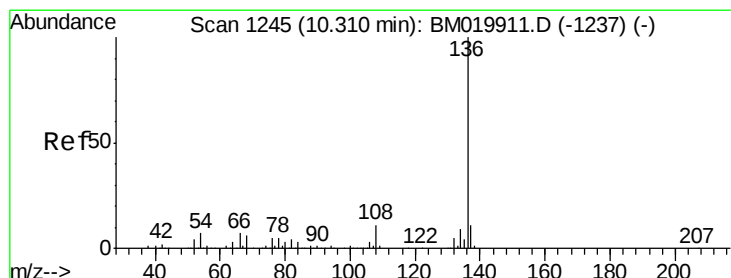
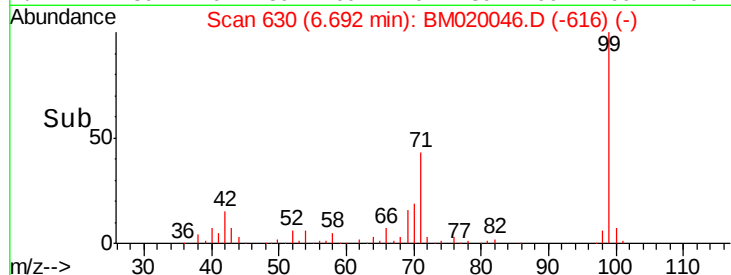
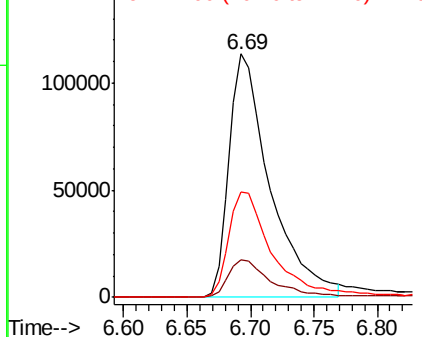


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng m

RT: 10.27 min Scan# 1239

Delta R.T. -0.01 min

Lab File: BM020046.D

Acq: 23 Apr 2019 20:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 328389 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.6  | 9.0   | 13.6   |
| 54        | 6.6   | 5.3   | 7.9    |
| 68        | 5.8   | 5.2   | 7.8    |

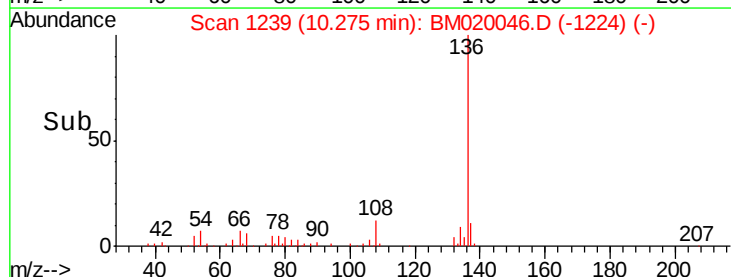
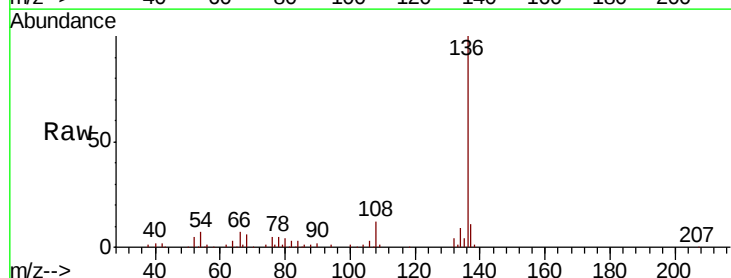
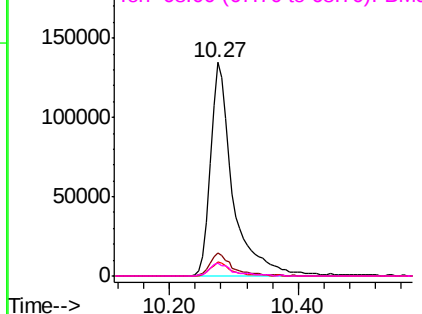
Abundance

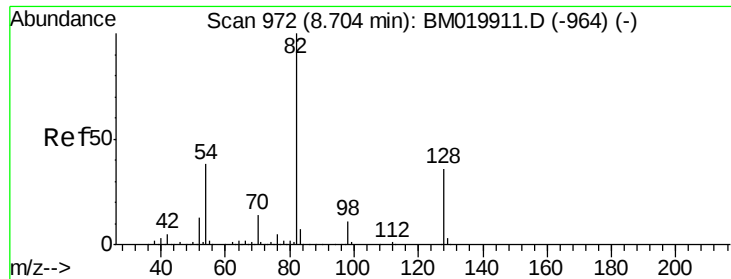
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0





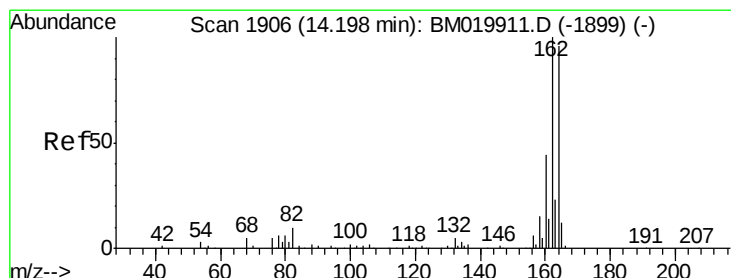
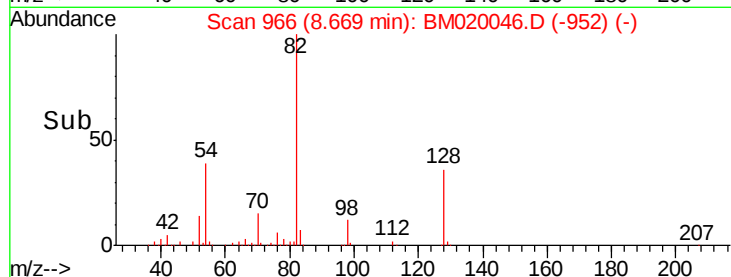
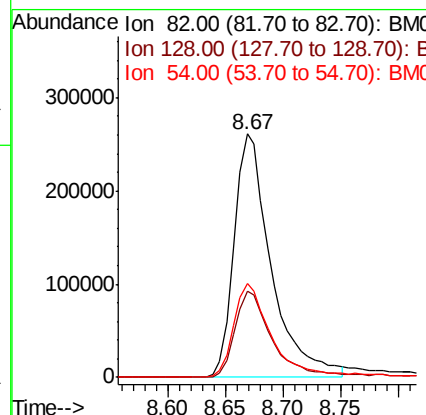
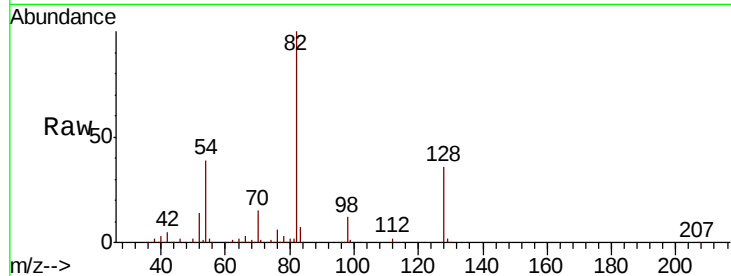
#23  
 Nitrobenzene-d5  
 Concen: 79.412 ng  
 RT: 8.67 min Scan# 966  
 Delta R.T. -0.02 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WELL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 35.6  | 29.0  | 43.4  |
| 54      | 38.7  | 30.2  | 45.4  |

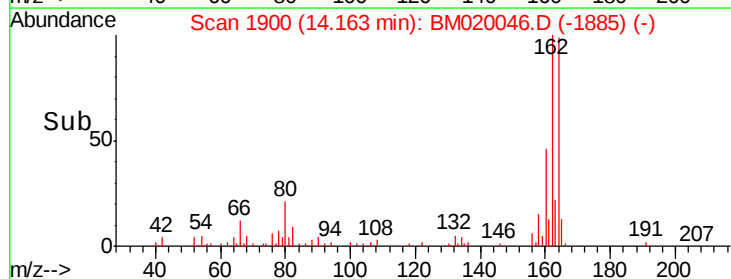
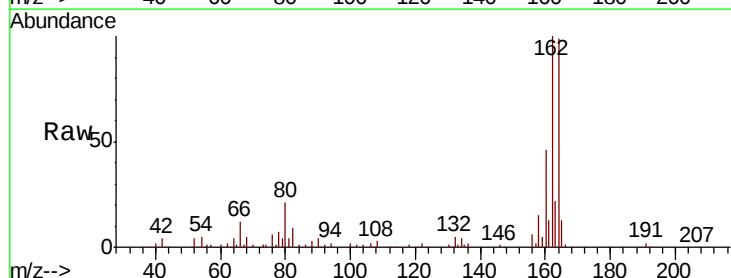
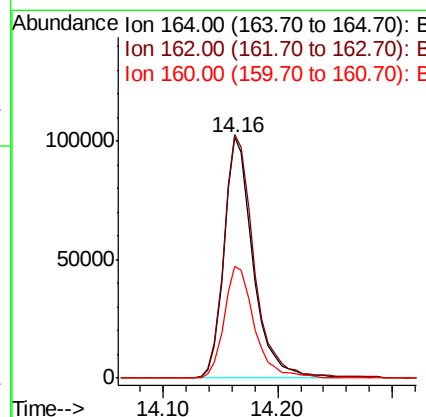
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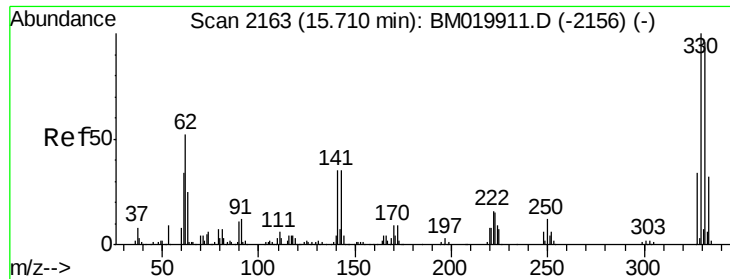
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#39  
 Acenaphthene-d10  
 Concen: 20.000 ng m  
 RT: 14.16 min Scan# 1900  
 Delta R.T. -0.01 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.3 | 83.0  | 124.4 |
| 160     | 46.4  | 36.6  | 55.0  |





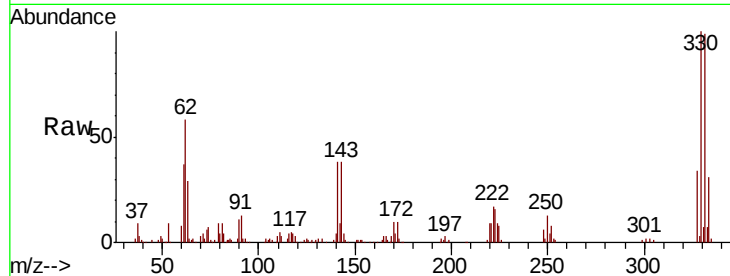
#42  
 2,4,6-Tribromophenol  
 Concen: 116.223 ng  
 RT: 15.67 min Scan# 2157  
 Delta R.T. -0.02 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

Instrument :  
 BNA\_M  
 ClientSampled :  
 WELL-1

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 97.1  | 77.4 | 116.2 |       |
| 141     | 40.0  | 29.0 | 43.4  |       |

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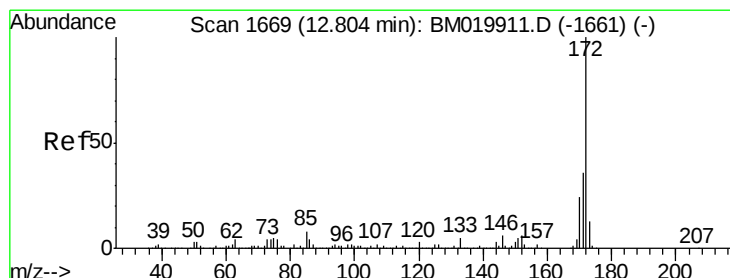
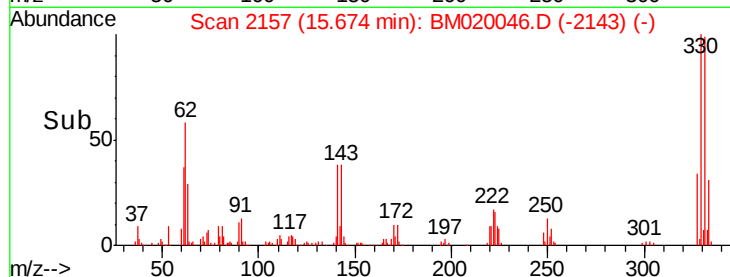
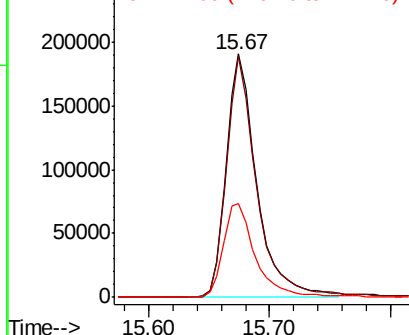


Abundance

Ion 329.80 (329.50 to 330.50): E

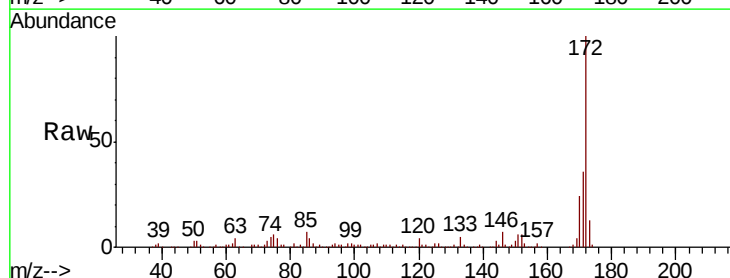
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 83.985 ng  
 RT: 12.76 min Scan# 1662  
 Delta R.T. -0.02 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 172     | 100   |      |       |       |
| 171     | 35.5  | 28.9 | 43.3  |       |
| 170     | 24.2  | 19.0 | 28.4  |       |

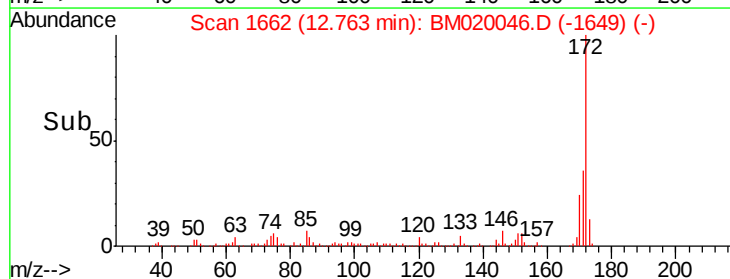
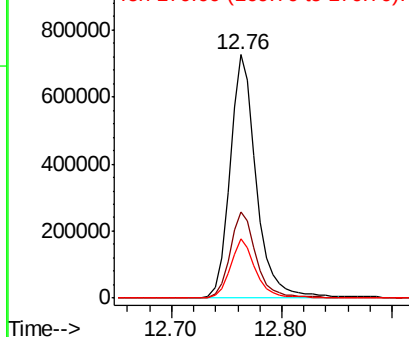


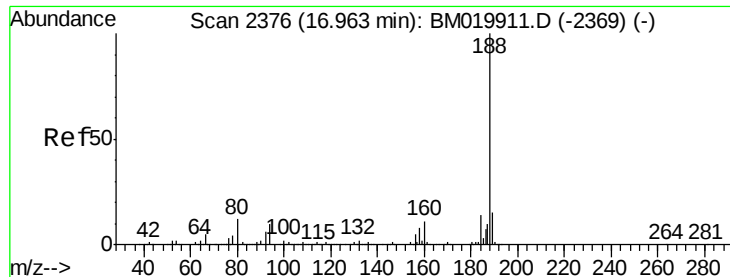
Abundance

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: 16.93 min Scan# 2371

Delta R.T. -0.01 min

Lab File: BM020046.D

Acq: 23 Apr 2019 20:56

Instrument :

BNA\_M

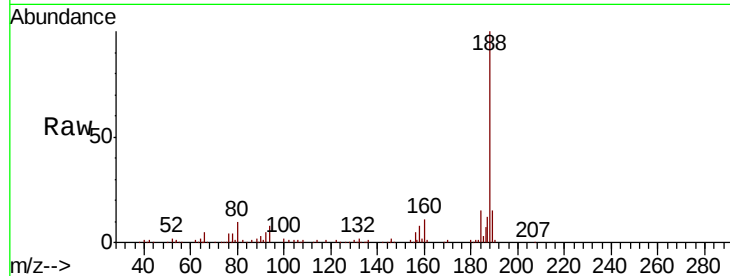
ClientSampled :

WELL-1

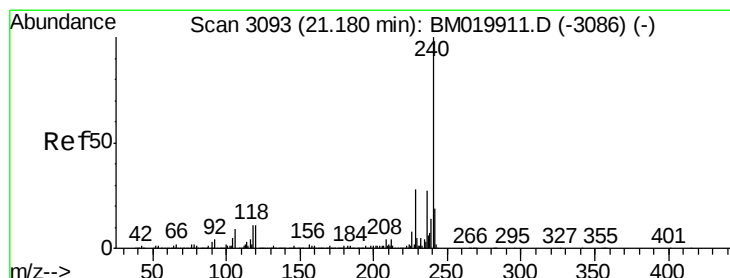
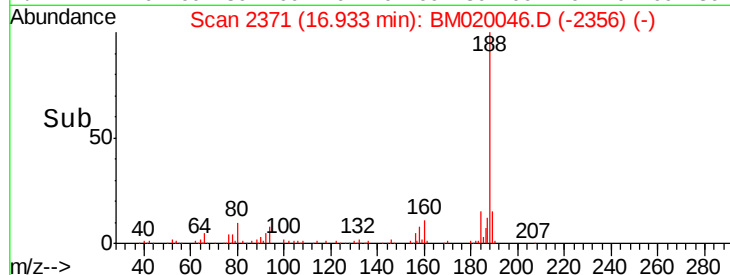
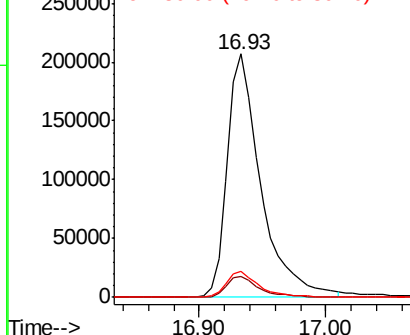
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 188   | Resp: | 380658 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.5   | 7.6   | 11.4   |
| 80        | 10.5  | 9.4   | 14.0   |

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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

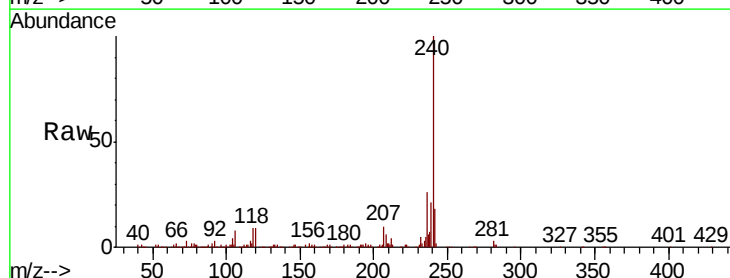
RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

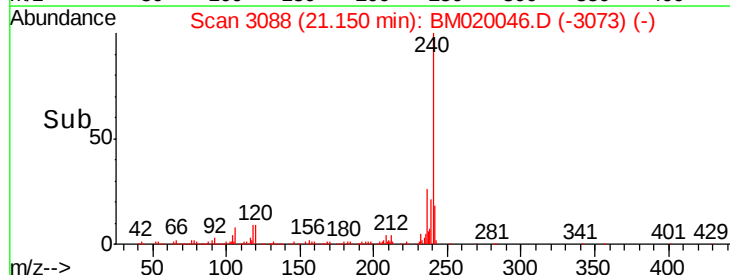
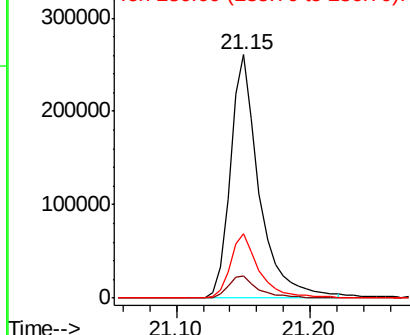
Lab File: BM020046.D

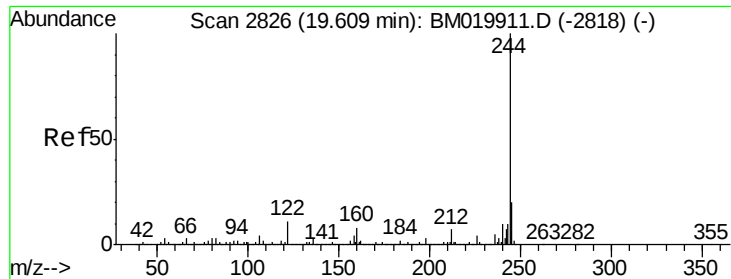
Acq: 23 Apr 2019 20:56

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 392143 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 9.3   | 8.6   | 13.0   |
| 236       | 26.3  | 21.4  | 32.2   |



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





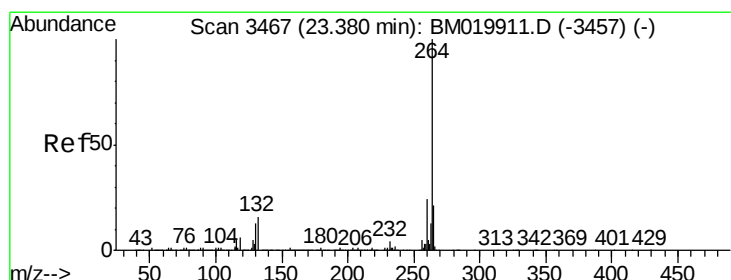
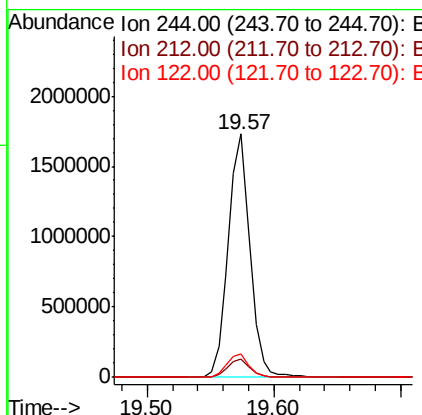
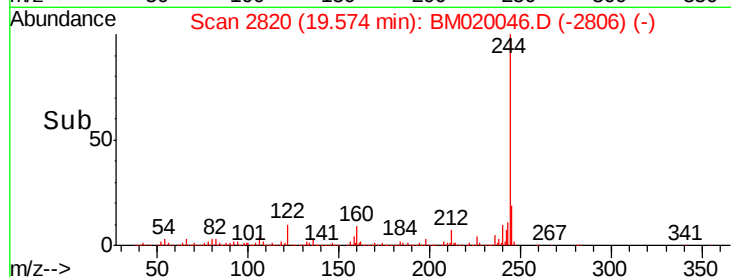
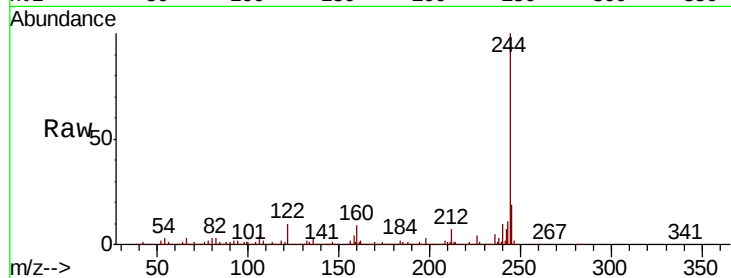
#79  
 Terphenyl-d14  
 Concen: 92.170 ng  
 RT: 19.57 min Scan# 2820  
 Delta R.T. -0.02 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WELL-1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.7   | 8.5   |
| 122     | 9.7   | 9.1   | 13.7  |

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#87  
 Perylene-d12  
 Concen: 20.000 ng m  
 RT: 23.33 min Scan# 3458  
 Delta R.T. -0.02 min  
 Lab File: BM020046.D  
 Acq: 23 Apr 2019 20:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 23.0  | 17.2  | 25.8  |

