

Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\  
 Data File : BM009829.D  
 Acq On : 01 May 2017 01:30  
 Operator : SJ/MA  
 Sample : I2849-14  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSW7

Manual Integrations  
 APPROVED

mohammad  
 5/1/2017 5:32:45 PM

Quant Time: May 01 04:01:08 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM042517.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 01 02:28:42 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 198704   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 852528   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 520961   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.22 | 188  | 1147361  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.41 | 240  | 1217891  | 20.00 | ng/ul | 0.02     |
| 83) Perylene-d12          | 23.76 | 264  | 1199389m | 20.00 | ng/ul | 0.06     |

## System Monitoring Compounds

|                                |       |     |          |       |       |      |
|--------------------------------|-------|-----|----------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 15883    | 3.68  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 469228   | 21.74 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.15  | 67  | 301944   | 20.51 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 329495   | 23.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 354176   | 21.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.98  | 128 | 163867   | 23.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.70  | 143 | 183990   | 25.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 352517   | 24.14 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 99168    | 5.64  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 1109537  | 24.48 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 1448771  | 26.51 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.69 | 143 | 163072   | 18.65 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.46 | 176 | 1059051  | 25.89 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 30882    | 3.81  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.32 | 188 | 1569376  | 26.64 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.62 | 212 | 1550401  | 28.85 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12         | 23.60 | 264 | 1522247m | 26.10 | ng/ul | 0.05 |

## Target Compounds

|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 7.02  | 94  | 28922   | 1.30  | ng/ul# | 69     |
| 28) Naphthalene                | 10.66 | 128 | 85671   | 1.89  | ng/ul# | 93     |
| 34) 2-Methylnaphthalene        | 12.27 | 142 | 46322   | 1.33  | ng/ul  | 96     |
| 44) Dimethylphthalate          | 13.92 | 163 | 198999  | 4.44  | ng/ul# | 96     |
| 68) Pentachlorophenol          | 16.87 | 266 | 34693   | 3.93  | ng/ul  | 91     |
| 69) Phenanthrene               | 17.26 | 178 | 84904   | 1.29  | ng/ul# | 88     |
| 73) Di-n-butylphthalate        | 18.17 | 149 | 111948  | 1.48  | ng/ul# | 93     |
| 74) Fluoranthene               | 19.28 | 202 | 117101  | 1.41  | ng/ul# | 87     |
| 77) Pyrene                     | 19.64 | 202 | 244870  | 3.56  | ng/ul# | 86     |
| 81) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 1596552 | 36.94 | ng/ul  | 96     |

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

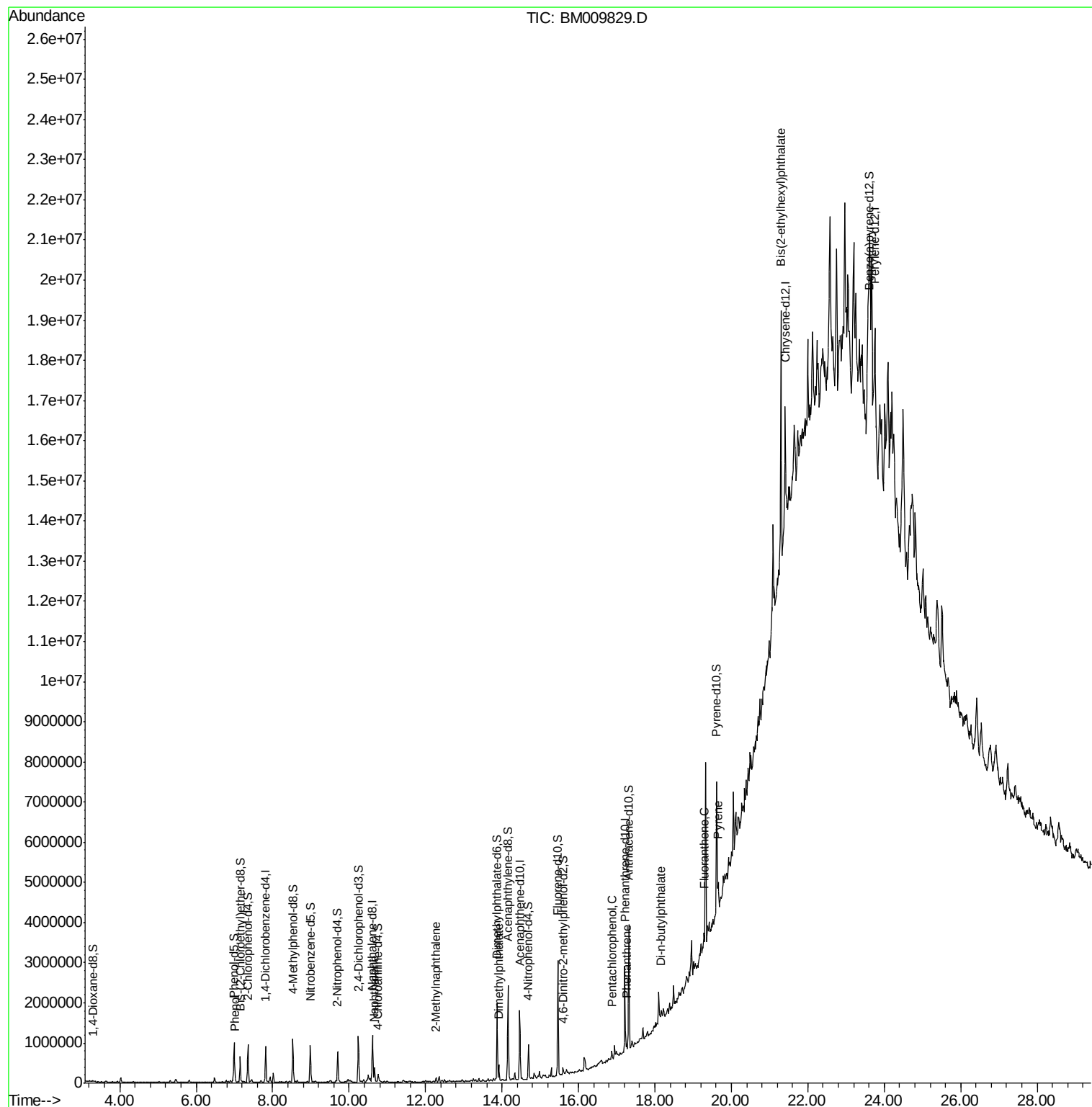
Data Path : Z:\HPCHEM1\BNA M\DATA\BM043017\  
Data File : BM009829.D  
Acq On : 01 May 2017 01:30  
Operator : SJ/MA  
Sample : I2849-14  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

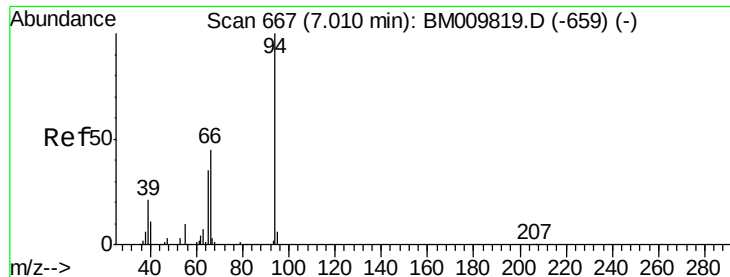
Instrument :  
BNA\_M  
ClientSampleId :  
JHSW7

Quant Time: May 01 04:01:08 2017  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM042517.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon May 01 02:28:42 2017  
Response via : Initial Calibration

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#6

Phenol

Concen: 1.30 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

Instrument :

BNA\_M

ClientSampled :

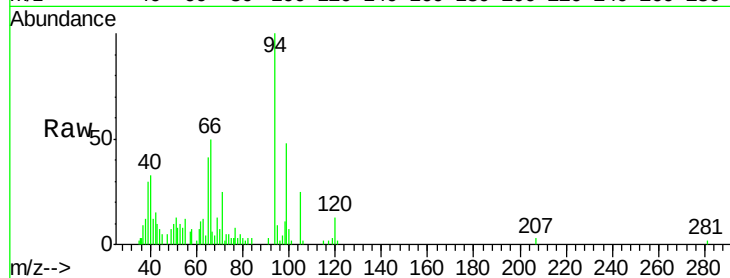
JHSW7

Tot Ion: 94 Resp: 28922

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 94  | 100   |       |        |
| 65  | 40.9  | 39.8  | 59.6   |
| 66  | 49.5  | 69.9  | 104.9# |

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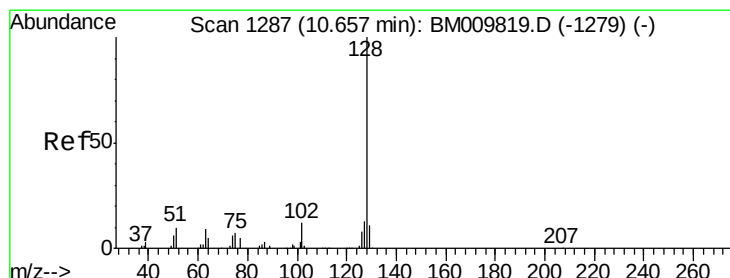
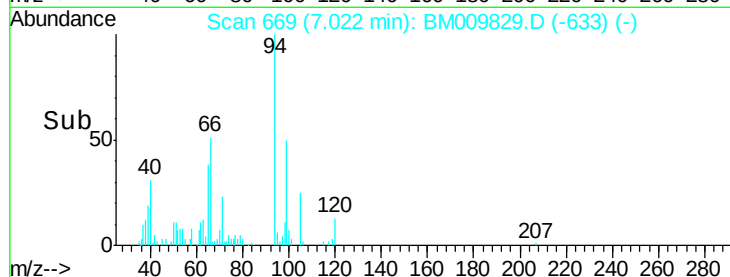
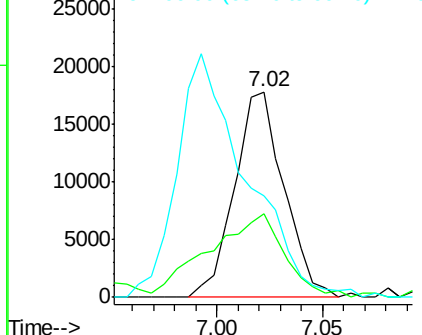


Abundance

Ion 94.00 (93.70 to 94.70): BM009819.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM009819.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM009819.D (-659) (-)



#28

Naphthalene

Concen: 1.89 ng/ul

RT: 10.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

Tgt Ion: 128 Resp: 85671

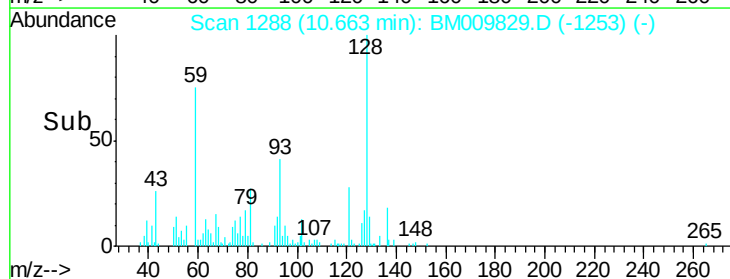
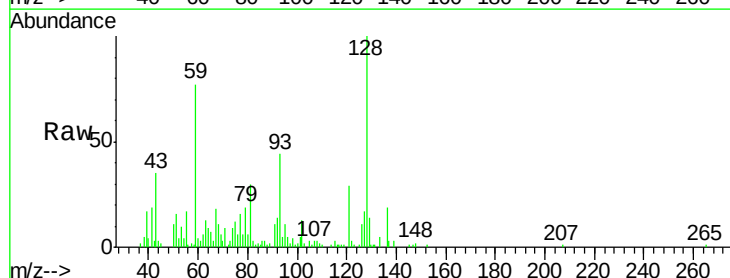
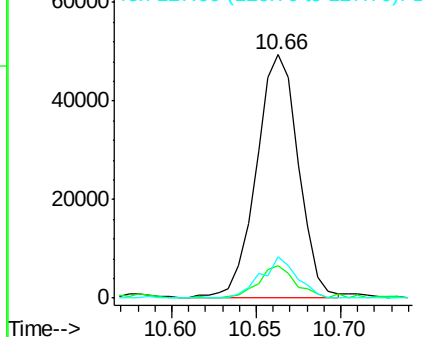
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 129 | 13.5  | 9.7   | 14.5  |
| 127 | 17.1  | 10.2  | 15.4# |

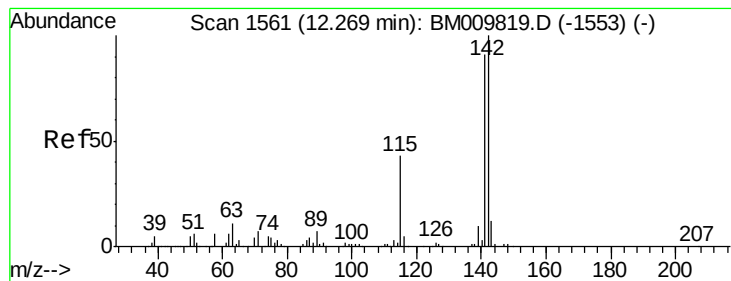
Abundance

Ion 128.00 (127.70 to 128.70): BM009819.D (-1279) (-)

Ion 129.00 (128.70 to 129.70): BM009819.D (-1279) (-)

Ion 127.00 (126.70 to 127.70): BM009819.D (-1279) (-)





#34

2-Methylnaphthalene

Concen: 1.33 ng/ul

RT: 12.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

Instrument :

BNA\_M

ClientSampleId :

JHSW7

Tot Ion:142 Resp: 46322

Ion Ratio Lower Upper

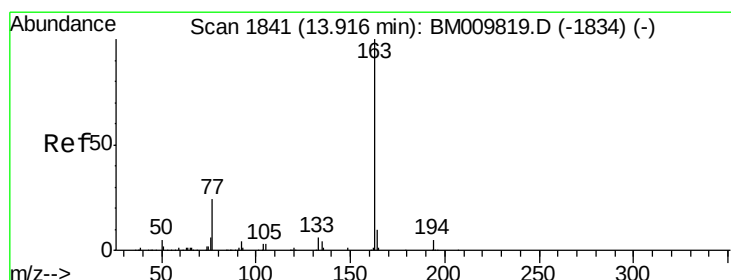
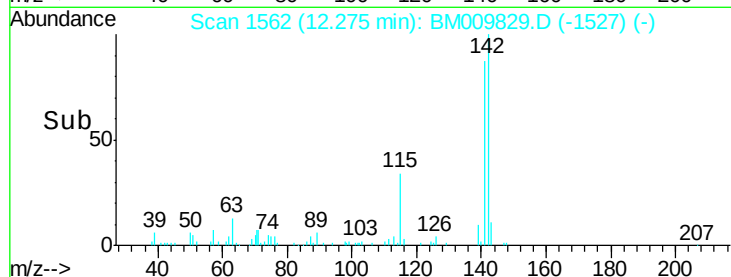
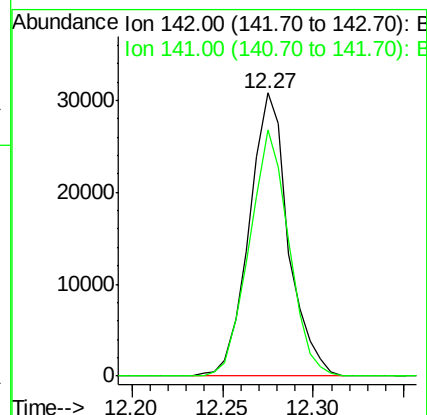
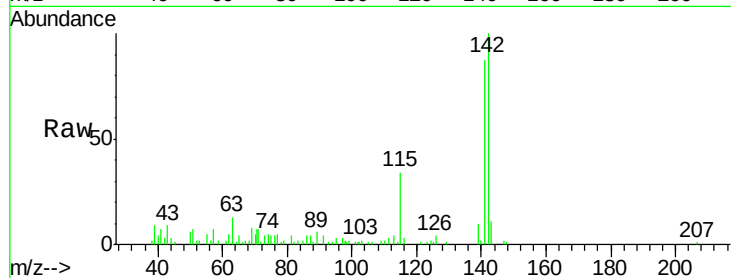
142 100

141 87.1 72.6 109.0

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#44

Dimethylphthalate

Concen: 4.44 ng/ul

RT: 13.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

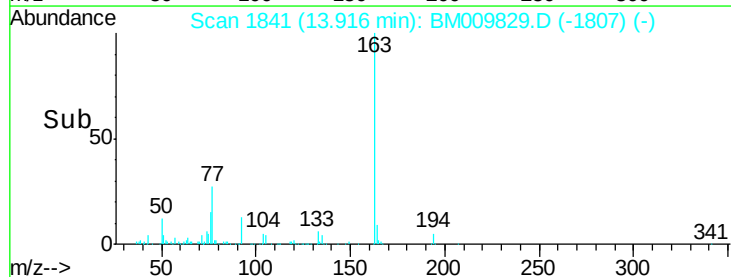
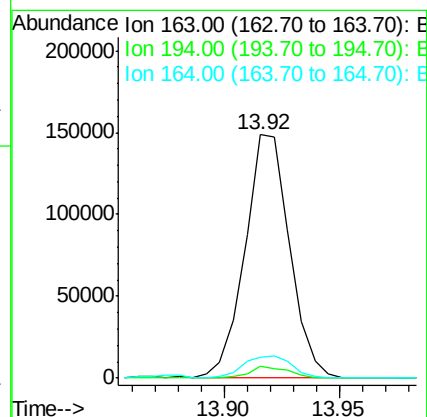
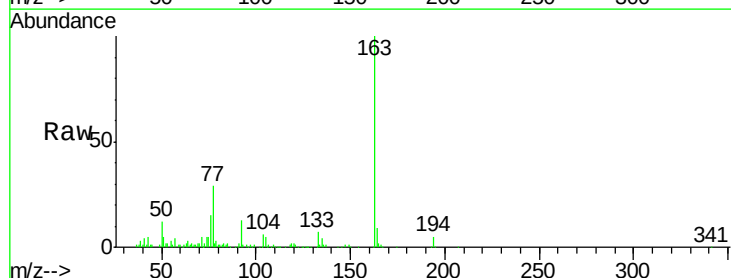
Tgt Ion:163 Resp: 198999

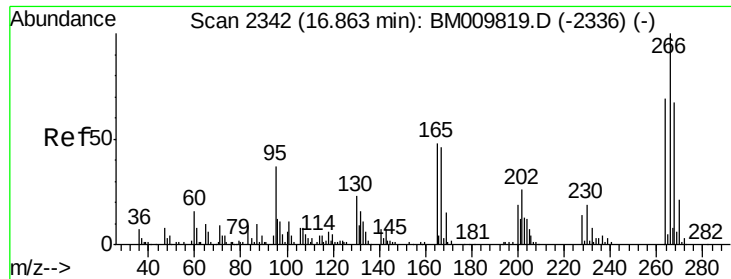
Ion Ratio Lower Upper

163 100

194 4.7 3.0 4.6#

164 8.8 8.6 12.8





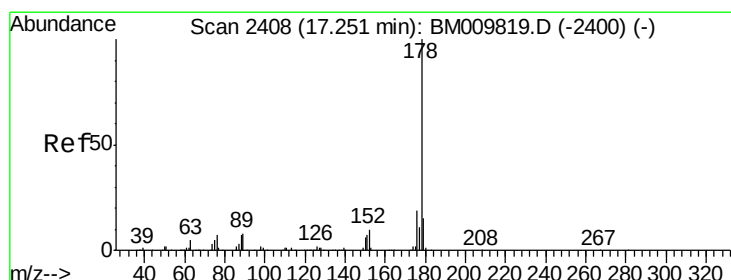
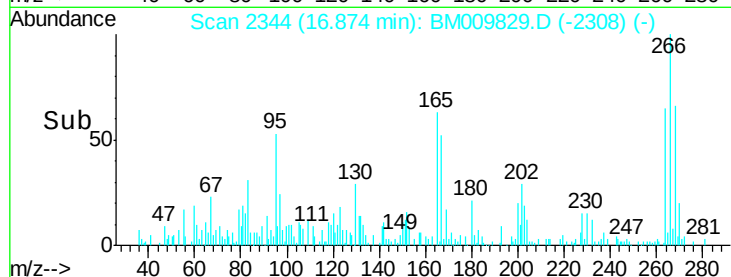
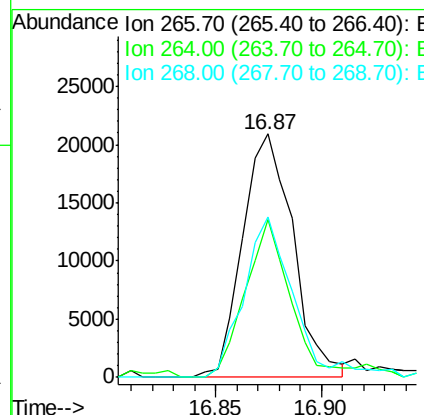
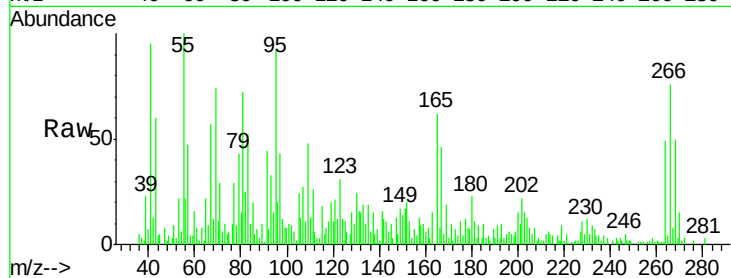
#68  
 Pentachlorophenol  
 Concen: 3.93 ng/ul  
 RT: 16.87 min Scan# 2344  
 Delta R.T. 0.01 min  
 Lab File: BM009829.D  
 Acq: 01 May 2017 01:30

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSW7

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 34693 |       |       |
| 264     | 65.0  |       | 54.8  | 82.2  |
| 268     | 66.1  |       | 62.1  | 93.1  |

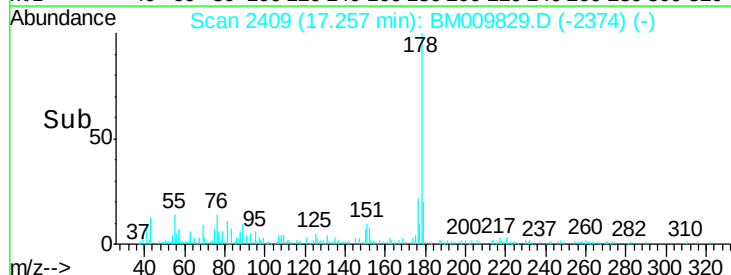
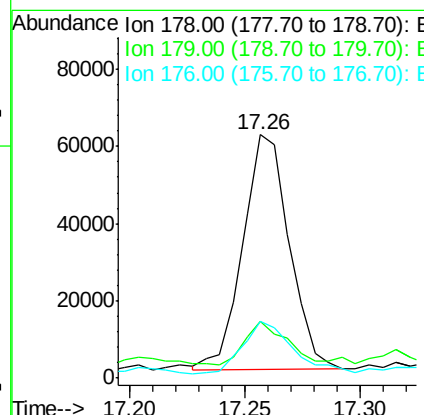
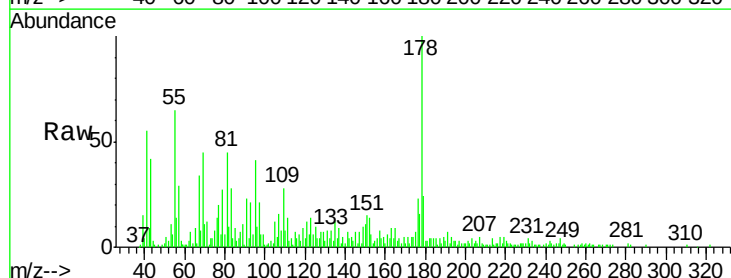
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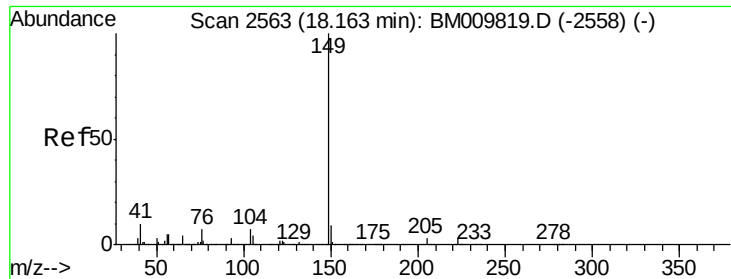
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#69  
 Phenanthrene  
 Concen: 1.29 ng/ul  
 RT: 17.26 min Scan# 2409  
 Delta R.T. 0.01 min  
 Lab File: BM009829.D  
 Acq: 01 May 2017 01:30

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 178     | 100   | 84904 |       |       |
| 179     | 23.5  |       | 12.6  | 19.0# |
| 176     | 23.2  |       | 15.8  | 23.6  |





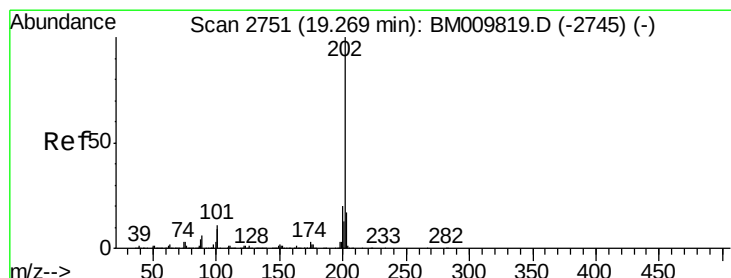
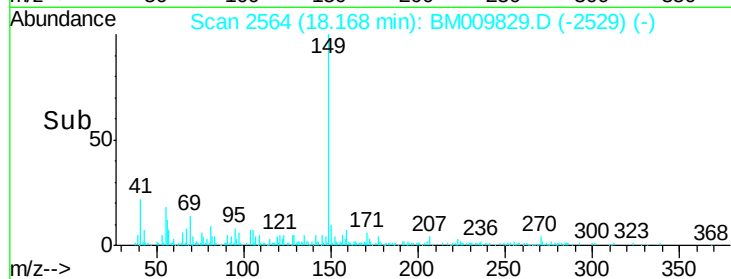
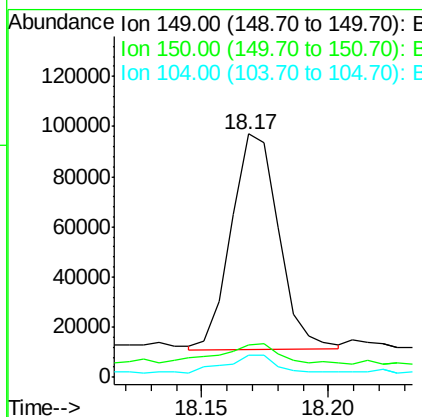
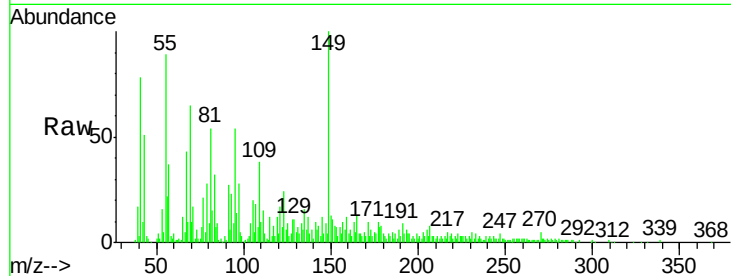
#73  
Di-n-butylphthalate  
Concen: 1.48 ng/ul  
RT: 18.17 min Scan# 2564  
Delta R.T. 0.01 min  
Lab File: BM009829.D  
Acq: 01 May 2017 01:30

Instrument :  
BNA\_M  
ClientSampleId :  
JHSW7

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 13.3  | 7.1  | 10.7# |       |
| 104     | 9.0   | 6.9  | 10.3  |       |

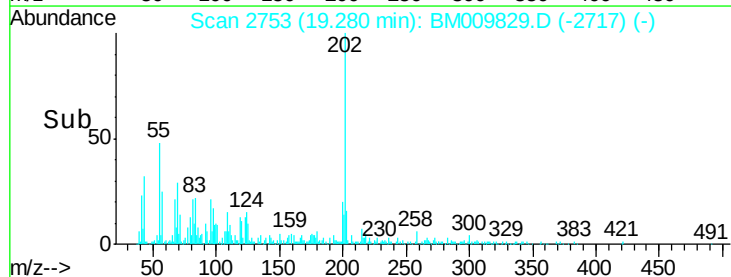
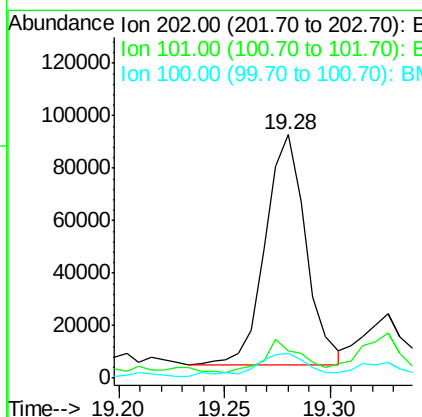
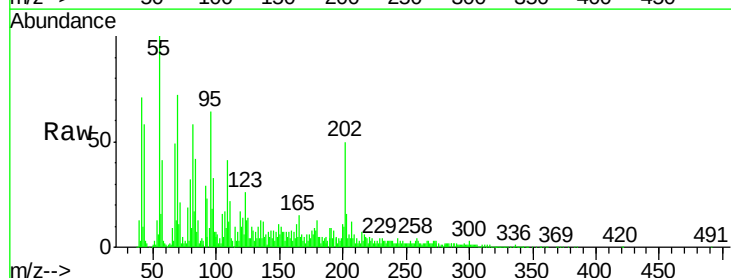
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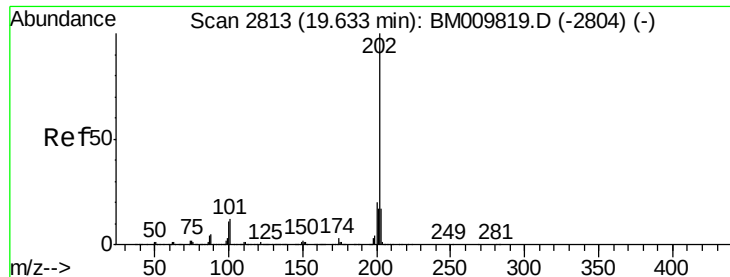
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#74  
Fluoranthene  
Concen: 1.41 ng/ul  
RT: 19.28 min Scan# 2753  
Delta R.T. 0.01 min  
Lab File: BM009829.D  
Acq: 01 May 2017 01:30

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 11.4  | 5.7  | 8.5#  |       |
| 100     | 10.2  | 4.6  | 7.0#  |       |





#77

Pvrene

Concen: 3.56 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

Instrument :

BNA\_M

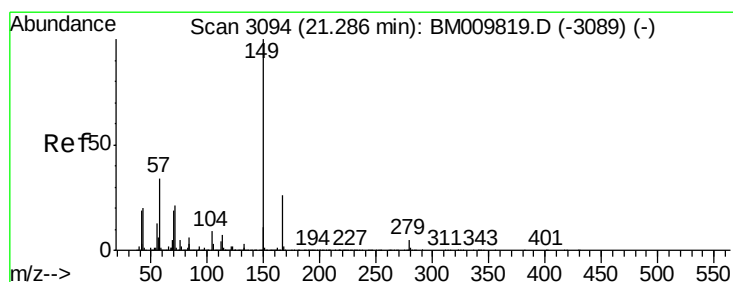
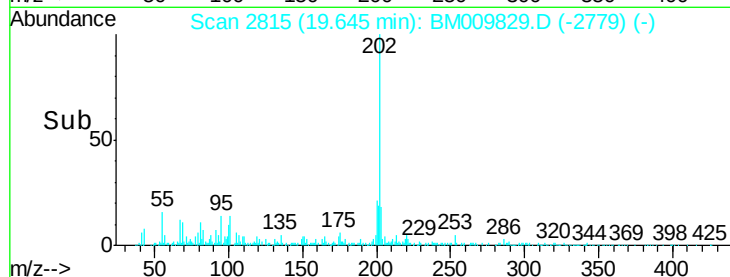
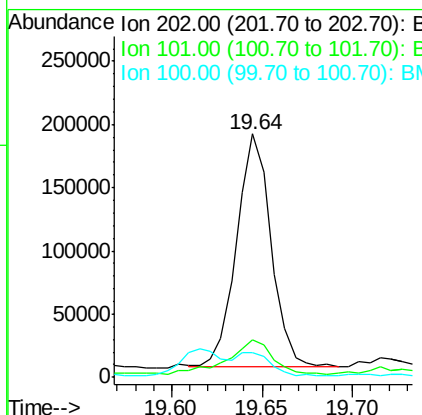
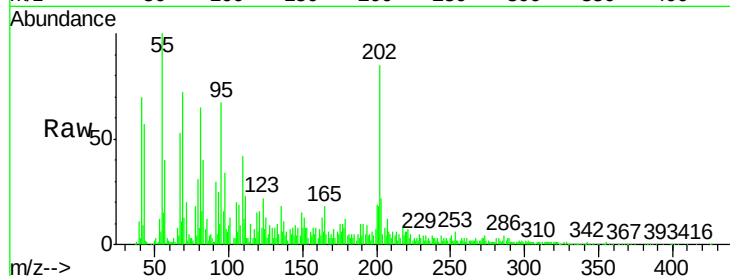
ClientSampleId :

JHSW7

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 202   | Resp: | 244870 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 15.2  | 6.2   | 9.4#   |
| 100       | 10.2  | 6.4   | 9.6#   |

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#81

Bis(2-ethylhexyl)phthalate

Concen: 36.94 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM009829.D

Acq: 01 May 2017 01:30

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 149   | Resp: | 1596552 |
| Ion Ratio | Lower | Upper |         |
| 149       | 100   |       |         |
| 167       | 27.7  | 20.2  | 30.2    |
| 279       | 4.9   | 4.0   | 6.0     |

