

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\  
 Data File : BM017982.D  
 Acq On : 07 Dec 2018 00:27  
 Operator : JU/SJ  
 Sample : J6155-07MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4178MS

Manual Integrations  
 APPROVED

mohammad  
 12/7/2018 12:22:10 PM

Quant Time: Dec 07 07:43:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 07 06:52:15 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 153410   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 592015   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 307307   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 654543   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 718562   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.35 | 264  | 774864   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 6550    | 1.95  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 103509  | 7.39  | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 225118  | 26.65 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 283608  | 25.87 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 158570  | 13.85 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 148567  | 32.67 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 162332  | 31.15 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.96  | 165 | 265060  | 26.72 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d      | 0.00  | ng/ul |       |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 832750  | 31.23 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.90 | 160 | 1028708 | 31.88 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.46 | 143 | 27699m  | 5.71  | ng/ul | 0.02  |
| 57) Fluorene-d10               | 15.21 | 176 | 724493  | 31.47 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 113391  | 24.23 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.06 | 188 | 1060189 | 32.53 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.37 | 212 | 1191011 | 34.25 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.21 | 264 | 1383910 | 32.93 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.77  | 94  | 97227   | 6.952  | ng/ul 91  |
| 10) 2-Chlorophenol             | 7.13  | 128 | 256084  | 23.380 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 187194  | 20.114 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.64 | 107 | 223832  | 21.044 | ng/ul 99  |
| 49) Acenaphthene               | 14.27 | 153 | 626399  | 28.839 | ng/ul 99  |
| 52) 4-Nitrophenol              | 14.48 | 109 | 17425m  | 4.370  | ng/ul     |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165 | 196137  | 25.519 | ng/ul 88  |
| 68) Pentachlorophenol          | 16.62 | 266 | 142345  | 27.521 | ng/ul 100 |
| 79) Pvrene                     | 19.40 | 202 | 1354428 | 31.051 | ng/ul 98  |

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

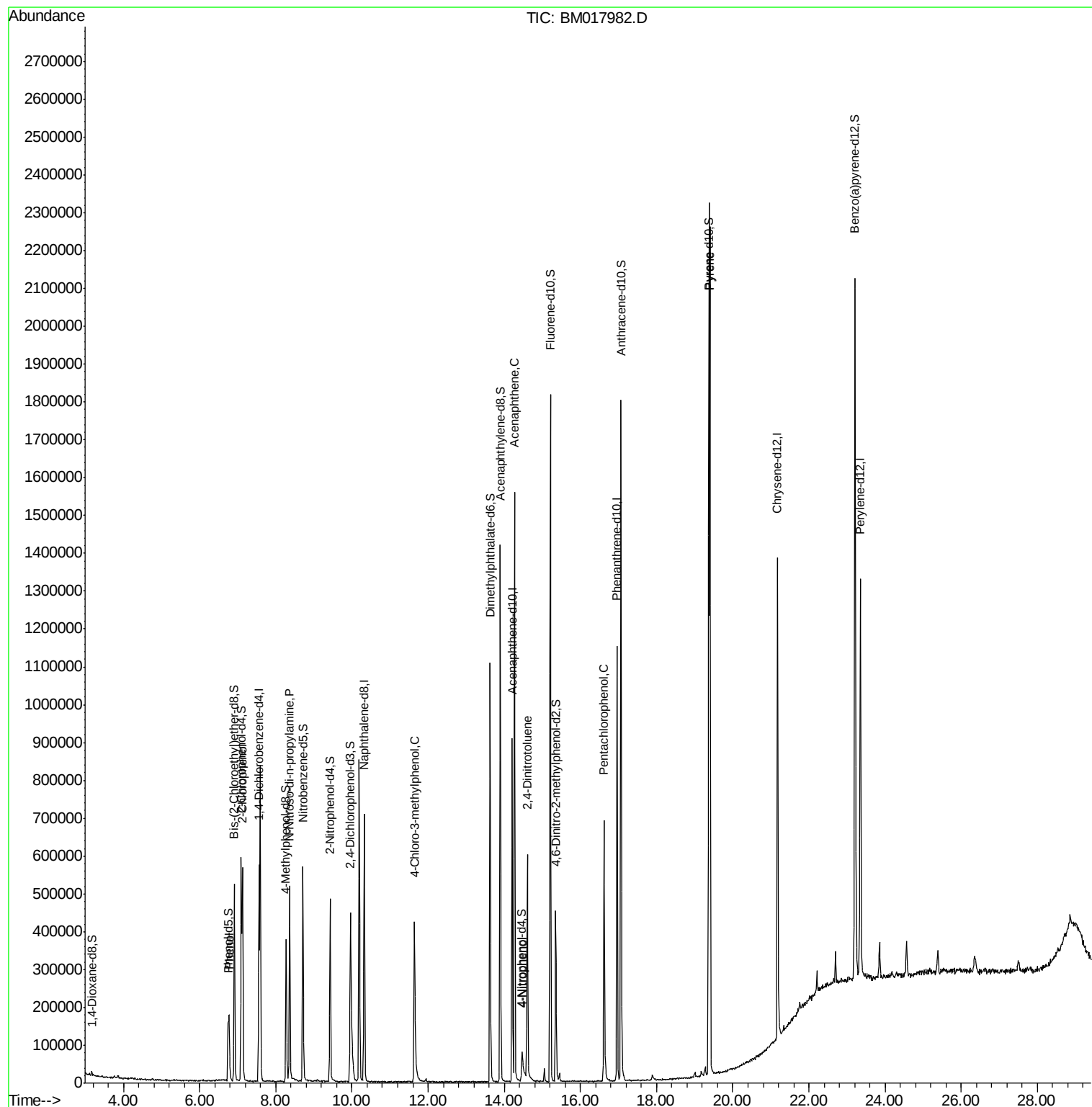
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM120718\  
Data File : BM017982.D  
Acq On : 07 Dec 2018 00:27  
Operator : JU/SJ  
Sample : J6155-07MS  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

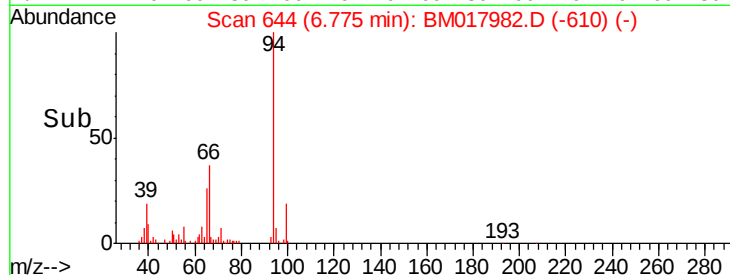
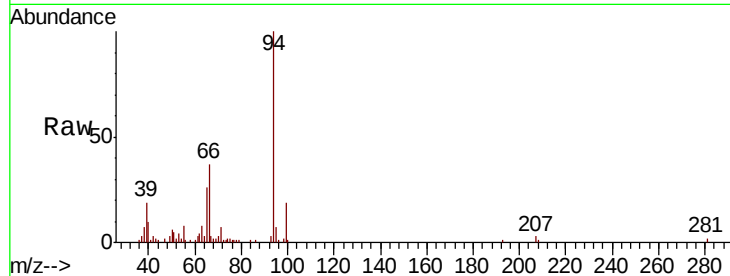
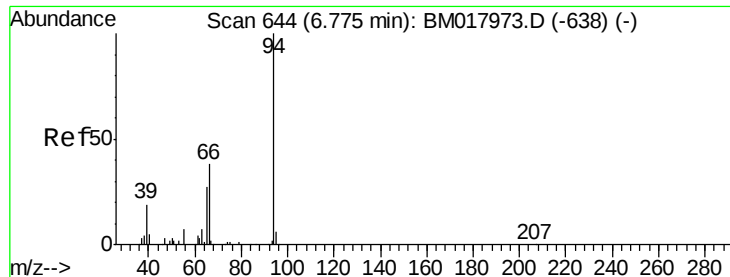
Instrument :  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Dec 07 06:52:15 2018  
Response via : Initial Calibration





#6

Phenol

Concen: 6.952 ng/ul

RT: 6.77 min Scan# 644

Delta R.T. -0.00 min

Lab File: BM017982.D

Acq: 07 Dec 2018 00:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 94    | Resp: | 97227 |
| Ion      | Ratio | Lower | Upper |
| 94       | 100   |       |       |
| 65       | 26.3  | 24.7  | 37.1  |
| 66       | 36.9  | 34.6  | 51.8  |

Instrument :

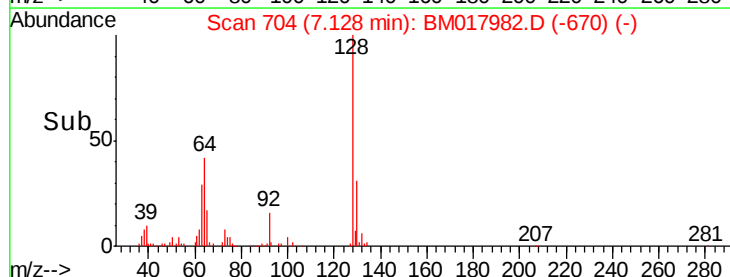
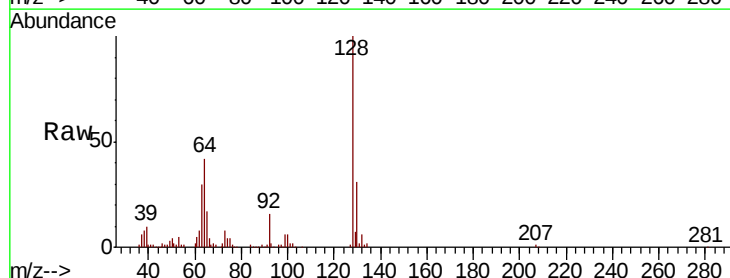
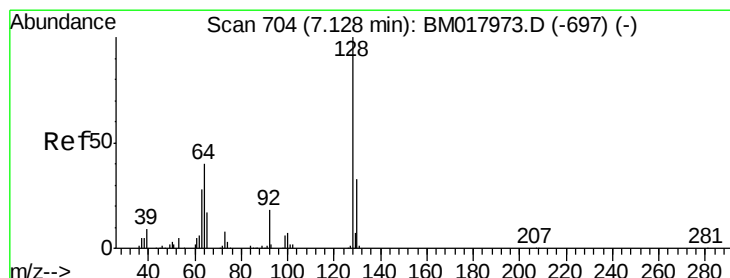
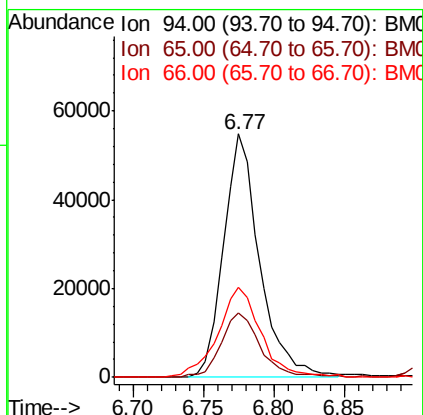
BNA\_M

ClientSampleId :

A4178MS

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#10

2-Chlorophenol

Concen: 23.380 ng/ul

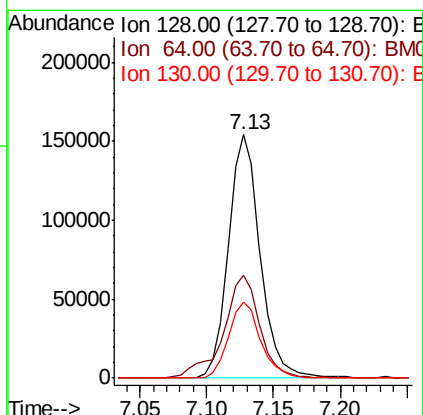
RT: 7.13 min Scan# 704

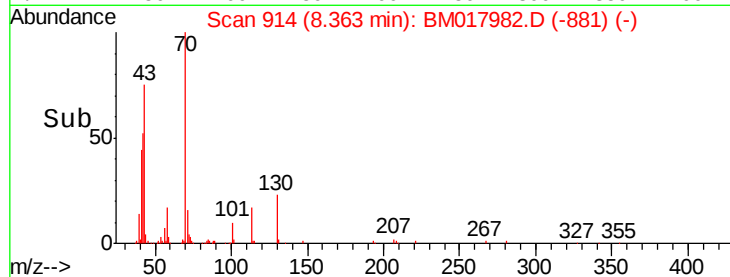
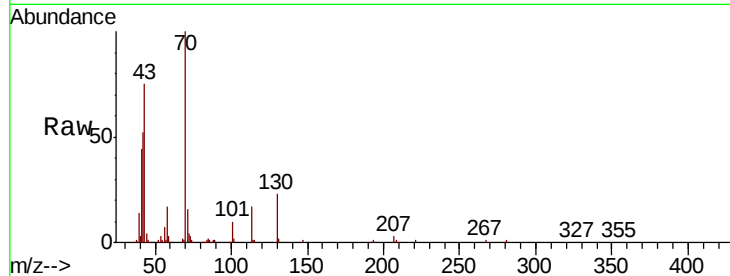
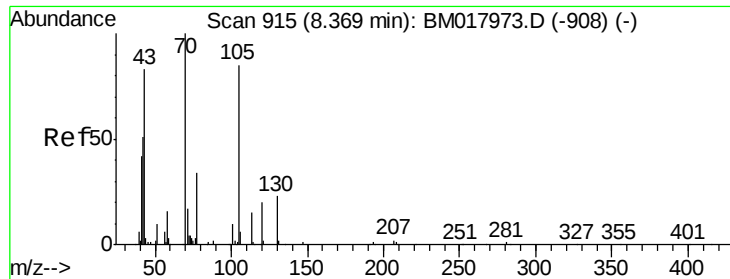
Delta R.T. -0.00 min

Lab File: BM017982.D

Acq: 07 Dec 2018 00:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 256084 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 64       | 42.3  | 36.8  | 55.2   |
| 130      | 30.9  | 25.0  | 37.4   |





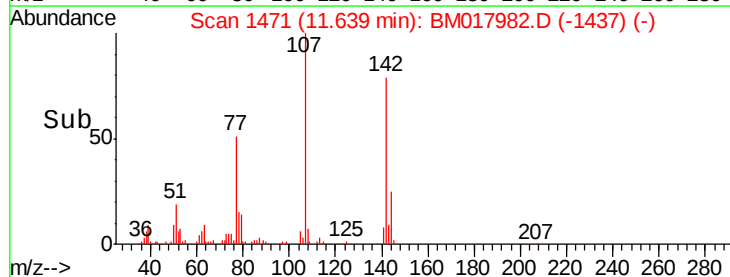
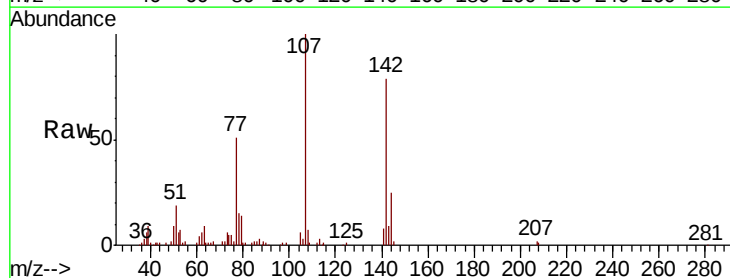
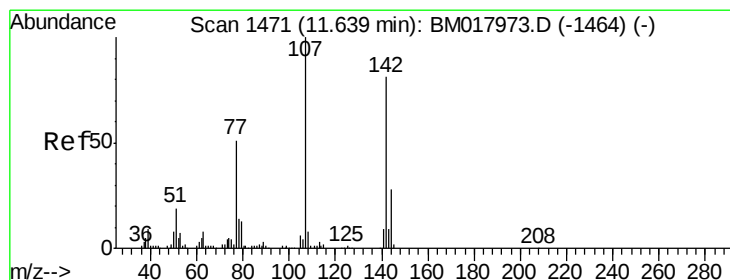
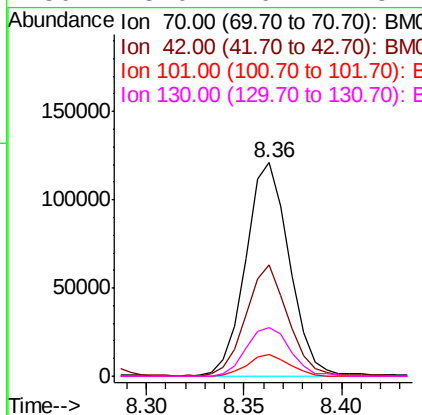
#15  
N-Nitroso-di-n-propylamine  
Concen: 20.114 ng/ul  
RT: 8.36 min Scan# 914  
Delta R.T. -0.01 min  
Lab File: BM017982.D  
Acq: 07 Dec 2018 00:27

Instrument :  
BNA\_M  
ClientSampleId :  
A4178MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 187194 |       |       |
| 42      | 52.3 | 42.7  | 64.1   |       |       |
| 101     | 10.4 | 7.6   | 11.4   |       |       |
| 130     | 23.0 | 16.7  | 25.1   |       |       |

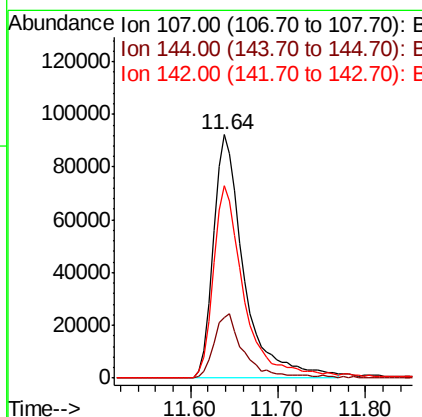
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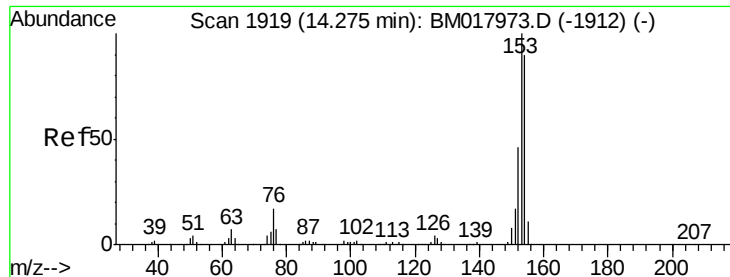
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#33  
4-Chloro-3-methylphenol  
Concen: 21.044 ng/ul  
RT: 11.64 min Scan# 1471  
Delta R.T. -0.00 min  
Lab File: BM017982.D  
Acq: 07 Dec 2018 00:27

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 223832 |       |       |
| 144     | 25.1 | 21.1  | 31.7   |       |       |
| 142     | 79.1 | 63.0  | 94.6   |       |       |





#49

Acenaphthene

Concen: 28.839 ng/ul

RT: 14.27 min Scan# 1918

Delta R.T. -0.01 min

Lab File: BM017982.D

Acq: 07 Dec 2018 00:27

Instrument :

BNA\_M

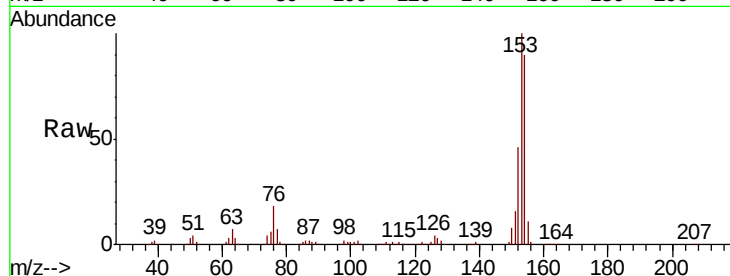
ClientSampleId :

A4178MS

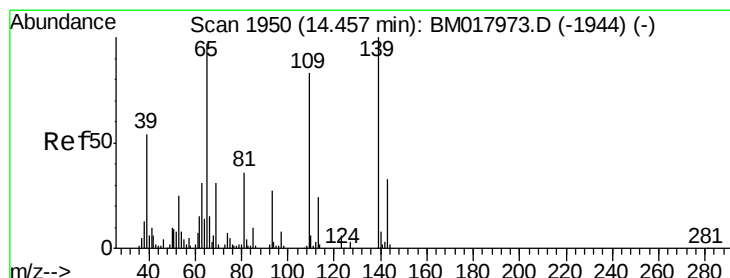
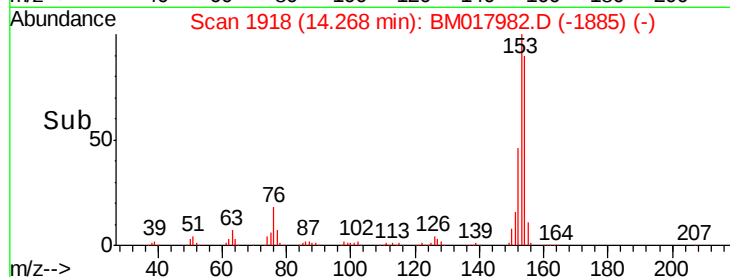
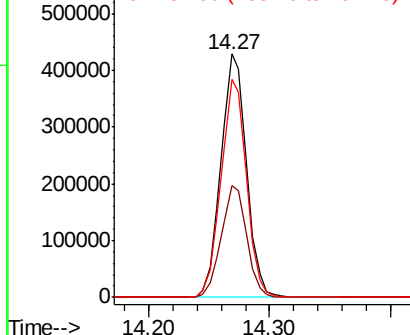
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 153   | Resp: | 626399 |
| Ion Ratio | Lower | Upper |        |
| 153       | 100   |       |        |
| 152       | 45.7  | 37.0  | 55.6   |
| 154       | 89.6  | 70.6  | 106.0  |

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Abundance Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E  
Ion 154.00 (153.70 to 154.70): E



#52

4-Nitrophenol

Concen: 4.370 ng/ul m

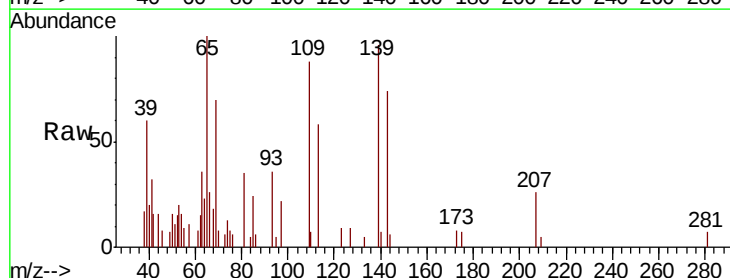
RT: 14.48 min Scan# 1954

Delta R.T. 0.02 min

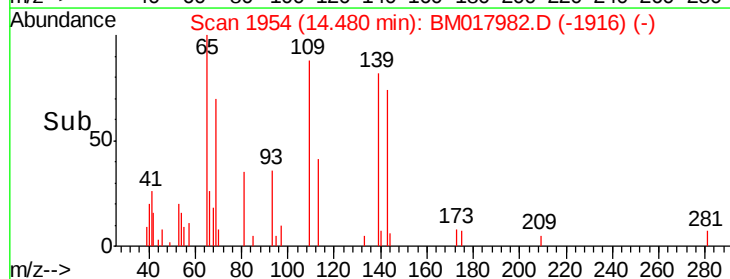
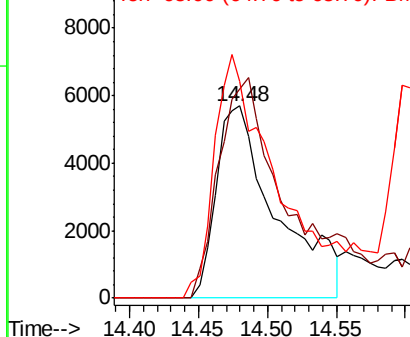
Lab File: BM017982.D

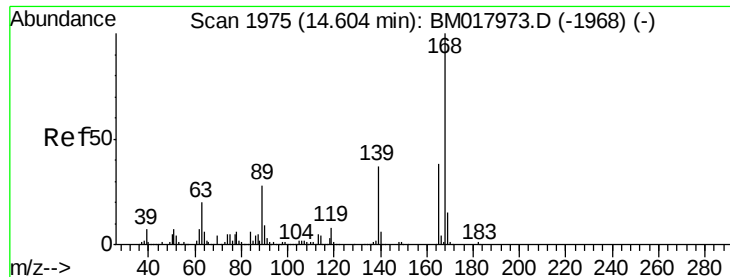
Acq: 07 Dec 2018 00:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 109   | Resp: | 17425 |
| Ion Ratio | Lower | Upper |       |
| 109       | 100   |       |       |
| 139       | 109.0 | 97.4  | 146.0 |
| 65        | 113.0 | 104.5 | 156.7 |



Abundance Ion 109.00 (108.70 to 109.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BM





#54

2,4-Dinitrotoluene

Concen: 25.519 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BM017982.D

Acq: 07 Dec 2018 00:27

Instrument :

BNA\_M

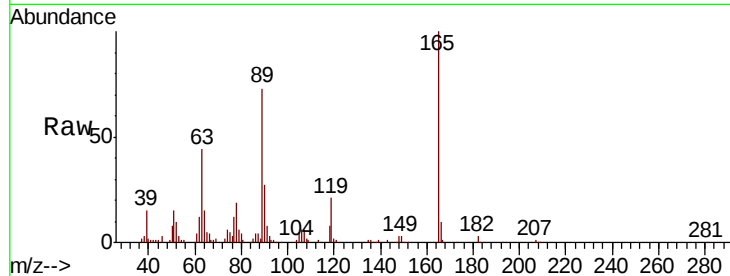
ClientSampleId :

A4178MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 165   | Resp: | 196137 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 43.7  | 41.8  | 62.8   |
| 182       | 2.6   | 2.2   | 3.2    |

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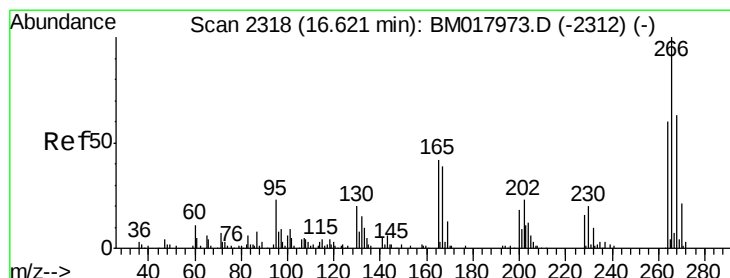
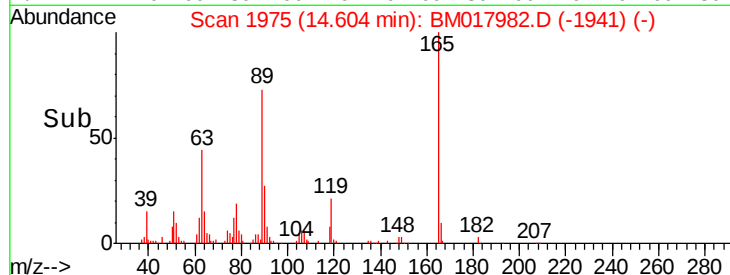
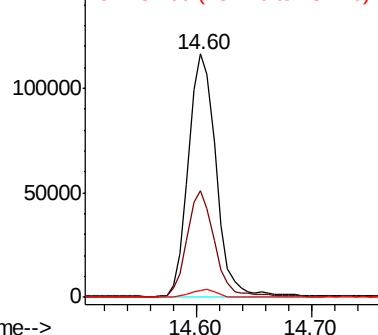


Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#68

Pentachlorophenol

Concen: 27.521 ng/ul

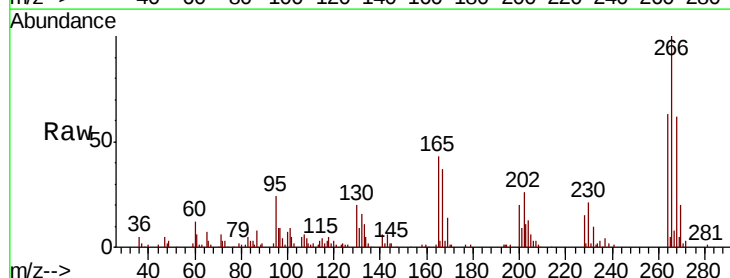
RT: 16.62 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM017982.D

Acq: 07 Dec 2018 00:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 142345 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 264       | 63.0  | 50.2  | 75.2   |
| 268       | 62.0  | 49.8  | 74.8   |

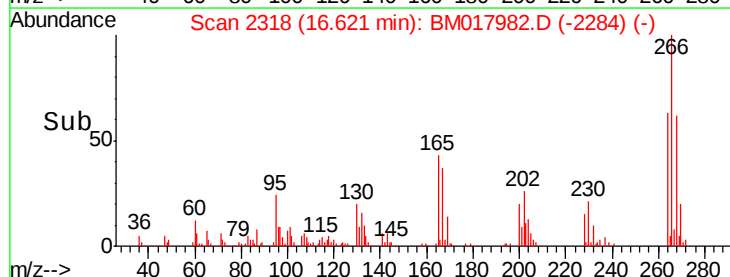
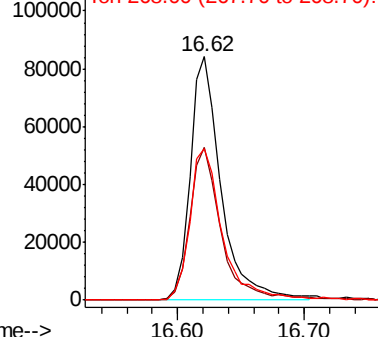


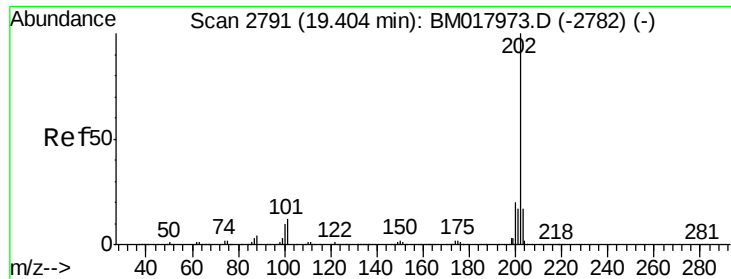
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#79  
Pvrene  
Concen: 31.051 ng/ul  
RT: 19.40 min Scan# 2790  
Delta R.T. -0.01 min  
Lab File: BM017982.D  
Acq: 07 Dec 2018 00:27

Instrument :  
BNA\_M  
ClientSampleId :  
A4178MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 9.6   | 14.4  |
| 100     | 10.7  | 7.9   | 11.9  |

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