

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052717\  
 Data File : BM010297.D  
 Acq On : 28 May 2017 04:08  
 Operator : SJ/MA  
 Sample : I3162-16MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF0MSD

Quant Time: May 30 16:24:01 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 30 15:28:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.93  | 152  | 440982   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.73 | 136  | 1600281  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.56 | 164  | 942113   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.31 | 188  | 2132038  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.47 | 240  | 2916314  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.82 | 264  | 3044980  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.39  | 96  | 45775   | 4.26  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.12  | 99  | 834705  | 24.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.27  | 67  | 479337  | 25.52 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.47  | 132 | 722724  | 27.13 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.66  | 113 | 690452  | 25.61 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.12  | 128 | 326056  | 27.81 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.83  | 143 | 382035  | 28.13 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.36 | 165 | 725303  | 26.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.90 | 131 | 274459  | 10.20 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.98 | 166 | 2234089 | 28.54 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.26 | 160 | 2652683 | 29.05 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.80 | 143 | 301706  | 25.76 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.56 | 176 | 1907820 | 27.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 368059  | 24.37 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.41 | 188 | 2880262 | 27.76 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.69 | 212 | 3686865 | 30.57 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.67 | 264 | 4039289 | 28.49 | ng/ul | 0.00 |

## Target Compounds

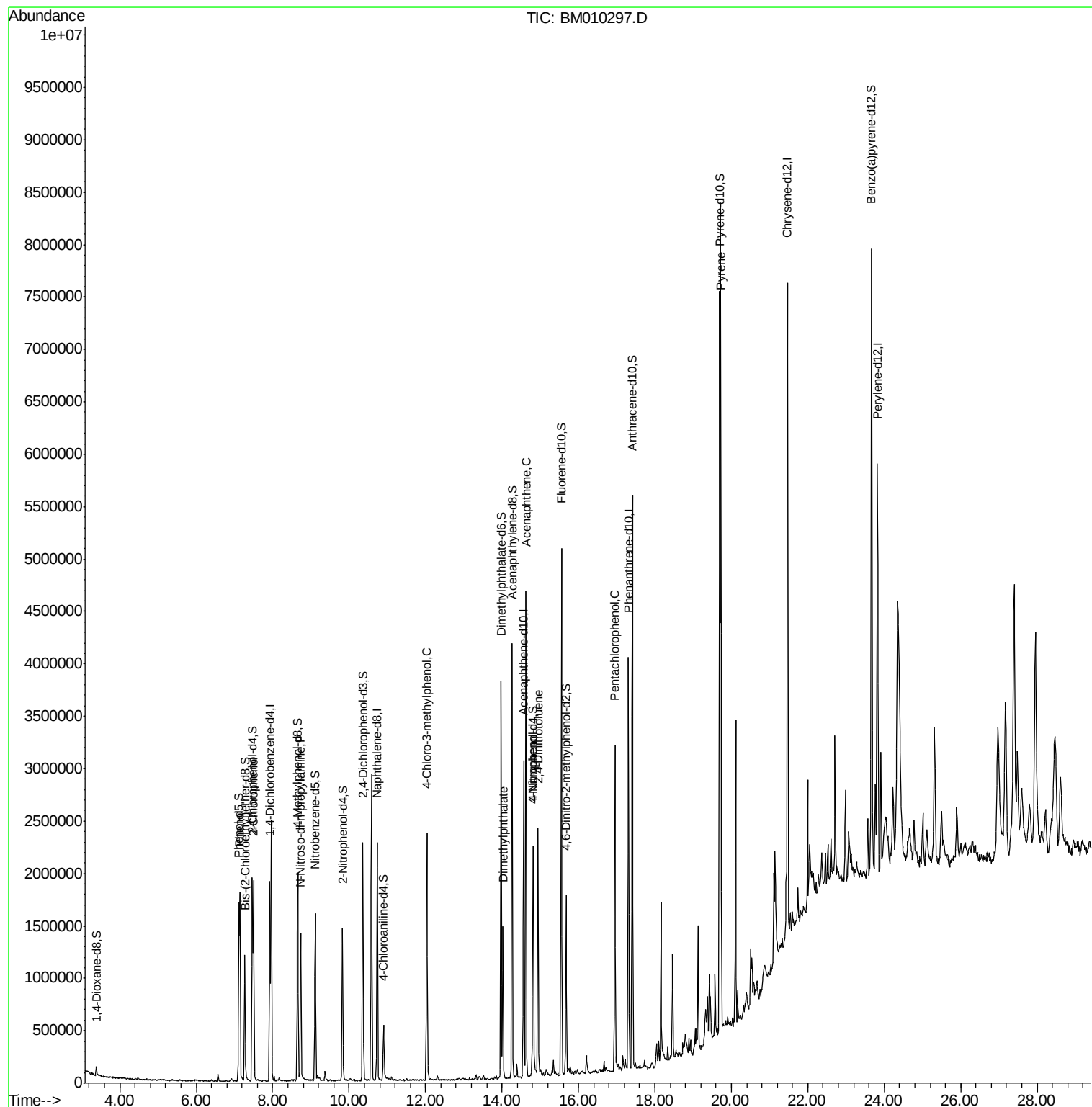
|                                |       |     |         |       |        | Ovalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 7.14  | 94  | 881300  | 25.72 | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.50  | 128 | 688996  | 25.78 | ng/ul  | 97     |
| 15) N-Nitroso-di-n-propylamine | 8.73  | 70  | 579902  | 26.37 | ng/ul# | 84     |
| 33) 4-Chloro-3-methylphenol    | 12.03 | 107 | 733124  | 27.87 | ng/ul  | 97     |
| 44) Dimethylphthalate          | 14.02 | 163 | 801495  | 10.41 | ng/ul  | 99     |
| 49) Acenaphthene               | 14.63 | 153 | 1747629 | 27.92 | ng/ul  | 99     |
| 52) 4-Nitrophenol              | 14.82 | 109 | 409424  | 25.51 | ng/ul  | 95     |
| 54) 2,4-Dinitrotoluene         | 14.94 | 165 | 604025  | 29.15 | ng/ul  | 91     |
| 68) Pentachlorophenol          | 16.95 | 266 | 478938  | 27.39 | ng/ul  | 98     |
| 77) Pyrene                     | 19.72 | 202 | 4535426 | 30.18 | ng/ul  | 98     |

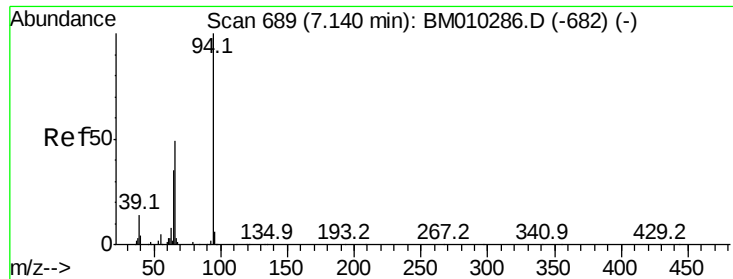
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 25.72 ng/ul

RT: 7.14 min Scan# 689

Delta R.T. -0.00 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

Instrument :

BNA\_M

ClientSampleId :

JHSF0MSD

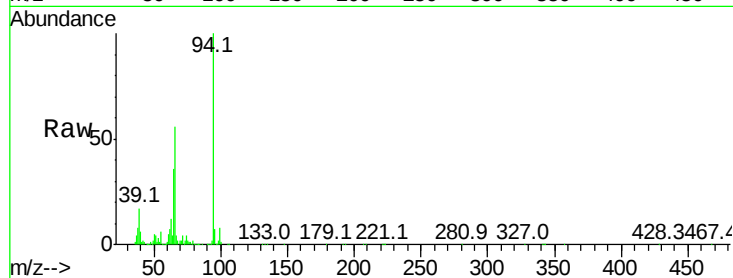
Tot Ion: 94 Resp: 881300

Ion Ratio Lower Upper

94 100

65 36.1 28.2 42.4

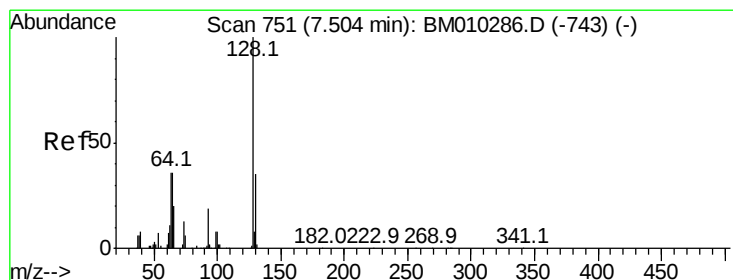
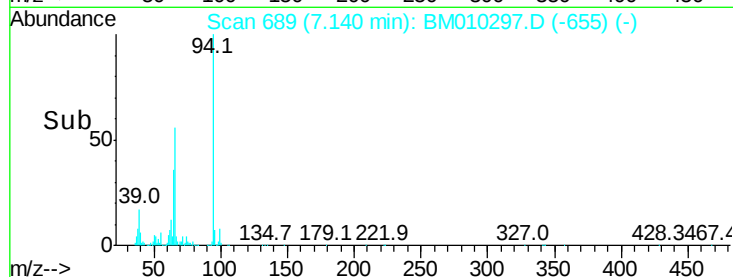
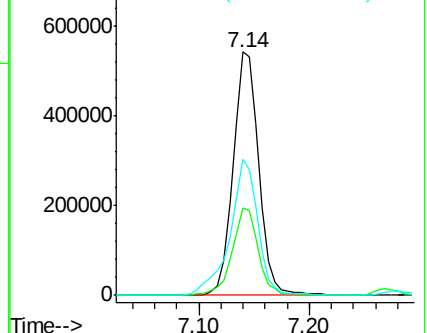
66 56.0 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM010286.D (-682) (-)

Ion 65.00 (64.70 to 65.70): BM010286.D (-682) (-)

Ion 66.00 (65.70 to 66.70): BM010286.D (-682) (-)



#10

2-Chlorophenol

Concen: 25.78 ng/ul

RT: 7.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

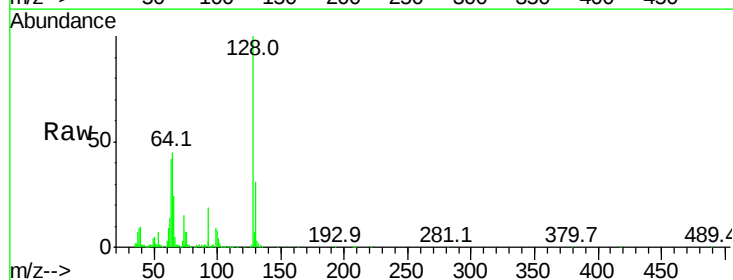
Tgt Ion: 128 Resp: 688996

Ion Ratio Lower Upper

128 100

64 45.0 38.0 57.0

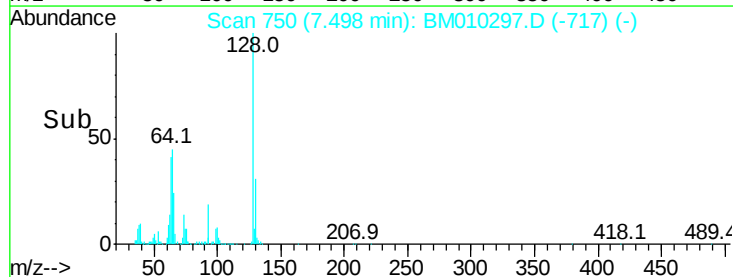
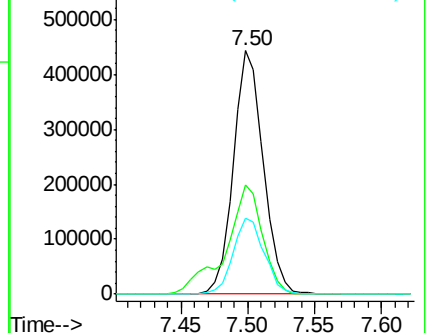
130 31.2 24.4 36.6

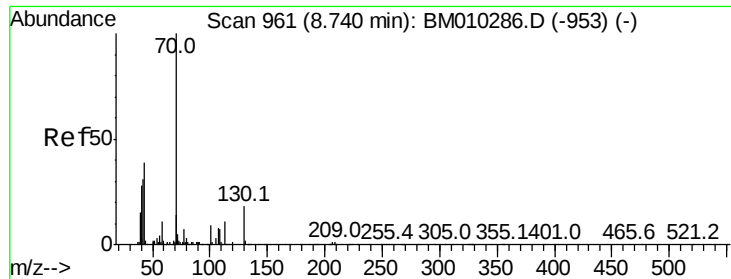


Abundance Ion 128.00 (127.70 to 128.70): BM010286.D (-743) (-)

Ion 64.00 (63.70 to 64.70): BM010286.D (-743) (-)

Ion 130.00 (129.70 to 130.70): BM010286.D (-743) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 26.37 ng/ul

RT: 8.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

Instrument :

BNA\_M

ClientSampleId :

JHSF0MSD

Tot Ion: 70 Resp: 579902

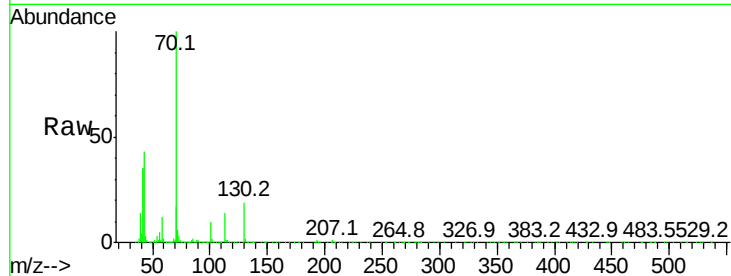
Ion Ratio Lower Upper

70 100

42 35.0 41.1 61.7#

101 10.4 6.7 10.1#

130 18.9 14.6 22.0



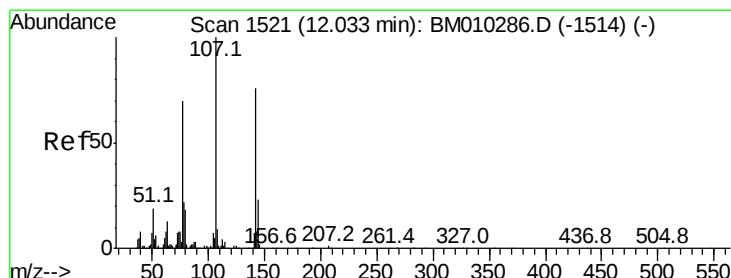
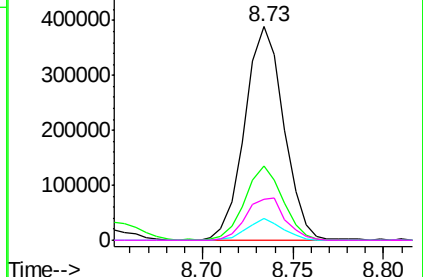
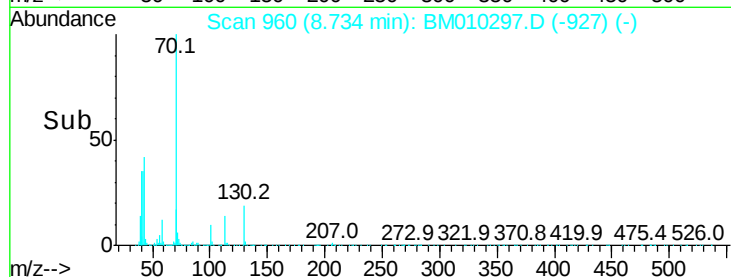
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



#33

4-Chloro-3-methylphenol

Concen: 27.87 ng/ul

RT: 12.03 min Scan# 1521

Delta R.T. -0.00 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

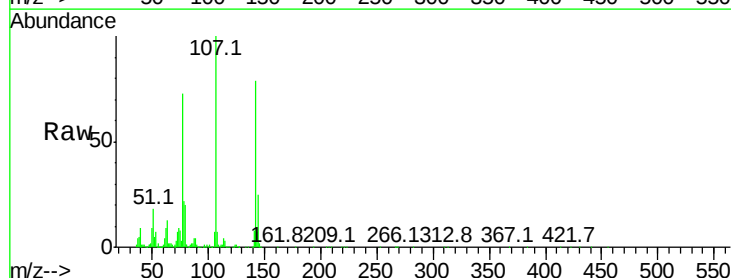
Tgt Ion:107 Resp: 733124

Ion Ratio Lower Upper

107 100

144 25.1 20.4 30.6

142 78.8 60.5 90.7

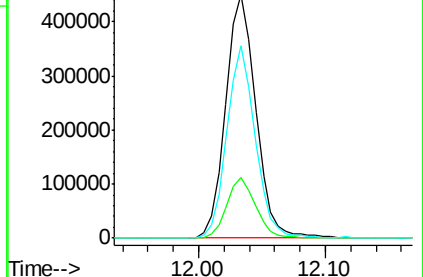
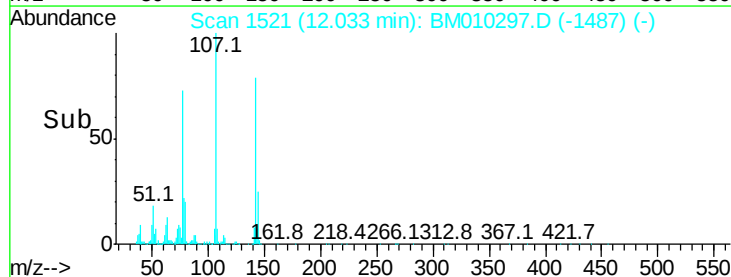


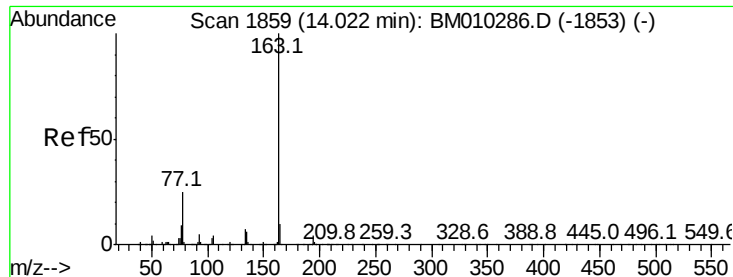
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

Time-->





#44

Dimethylphthalate

Concen: 10.41 ng/ul

RT: 14.02 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

Instrument :

BNA\_M

ClientSampleId :

JHSF0MSD

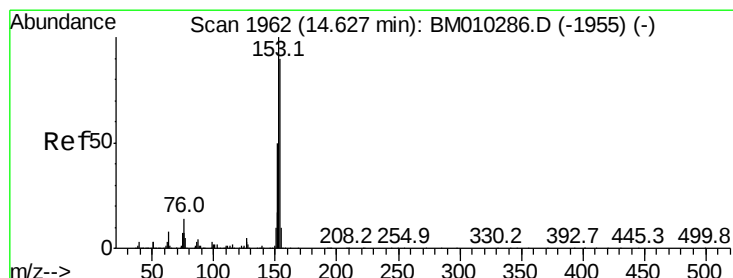
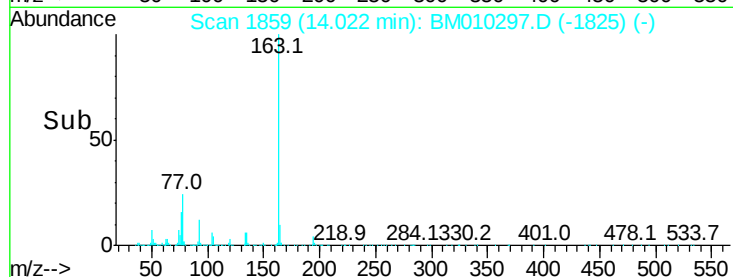
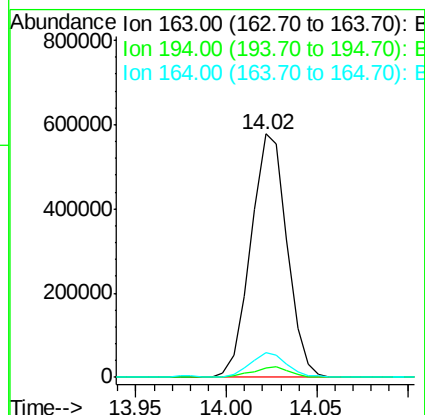
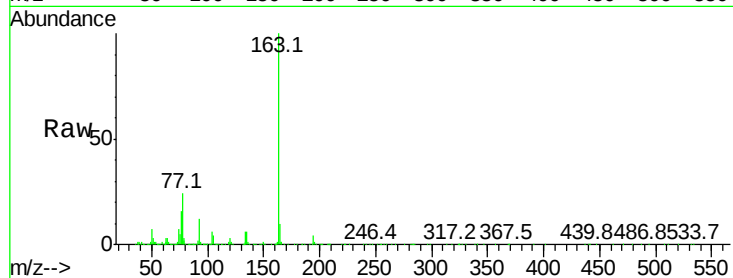
Tot Ion:163 Resp: 801495

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

164 9.9 8.2 12.4



#49

Acenaphthene

Concen: 27.92 ng/ul

RT: 14.63 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

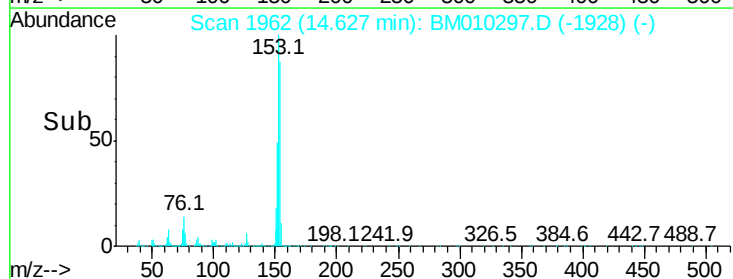
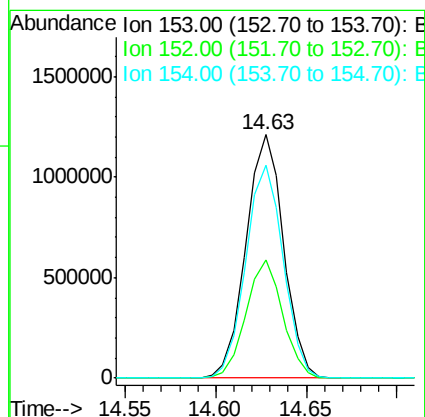
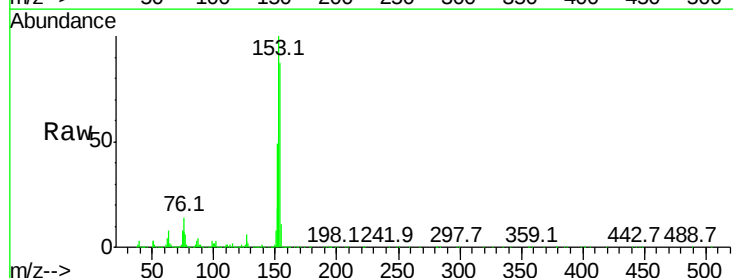
Tgt Ion:153 Resp: 1747629

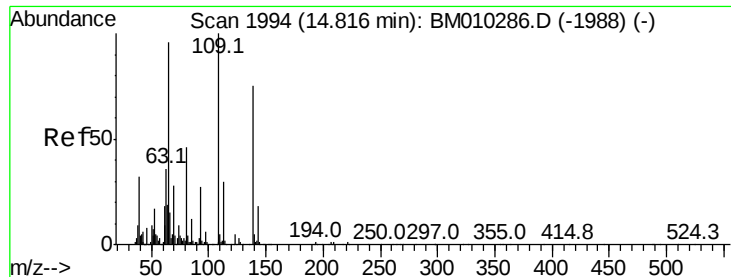
Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

154 87.3 70.4 105.6





#52

4-Nitrophenol

Concen: 25.51 ng/ul

RT: 14.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

Instrument :

BNA\_M

ClientSampleId :

JHSF0MSD

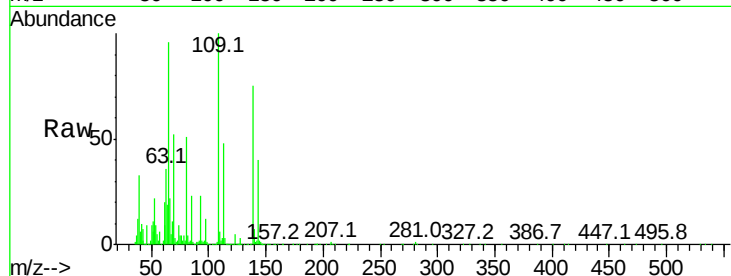
Tot Ion:109 Resp: 409424

Ion Ratio Lower Upper

109 100

139 74.8 66.6 100.0

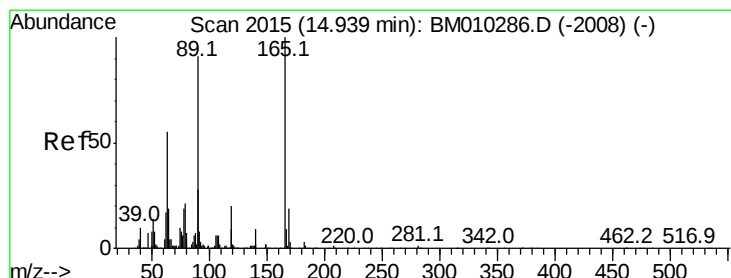
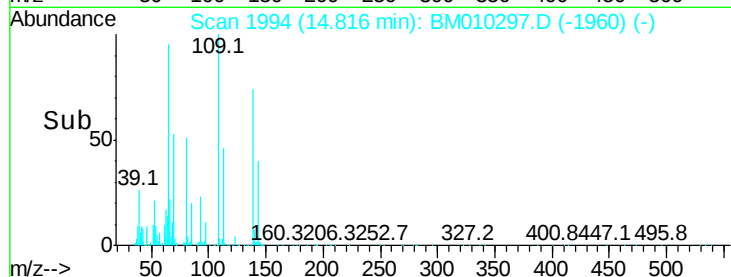
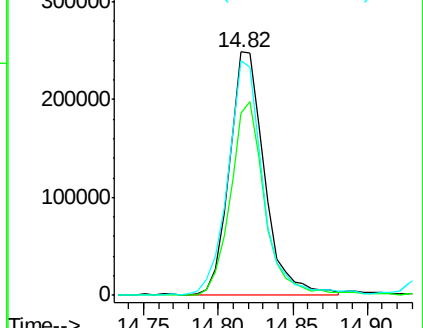
65 96.3 78.3 117.5



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: 29.15 ng/ul

RT: 14.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BM010297.D

Acq: 28 May 2017 04:08

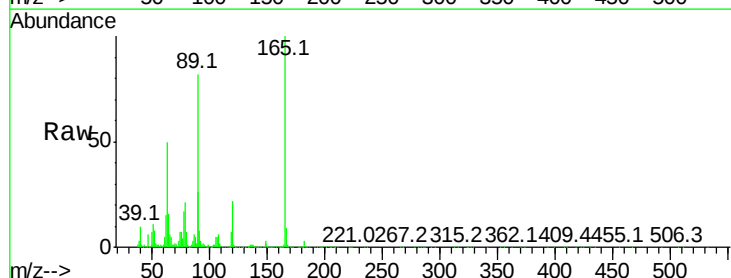
Tgt Ion:165 Resp: 604025

Ion Ratio Lower Upper

165 100

63 50.0 45.8 68.8

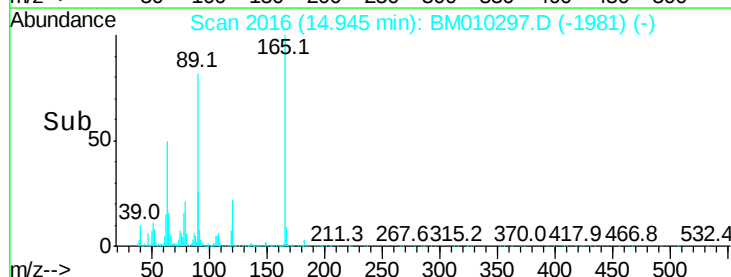
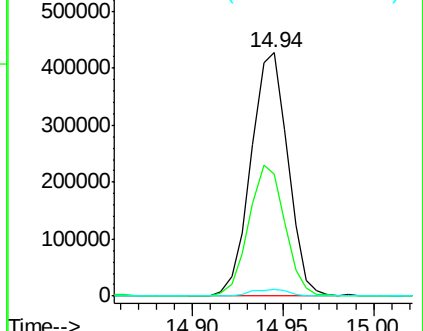
182 2.8 2.6 4.0

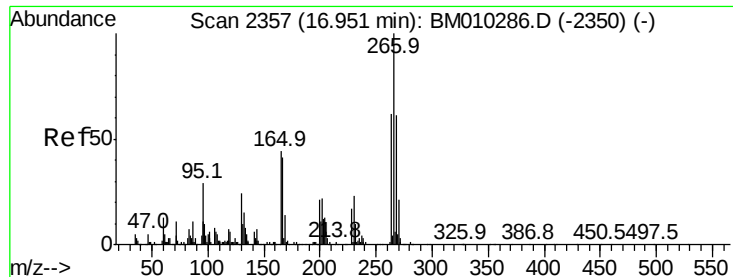


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

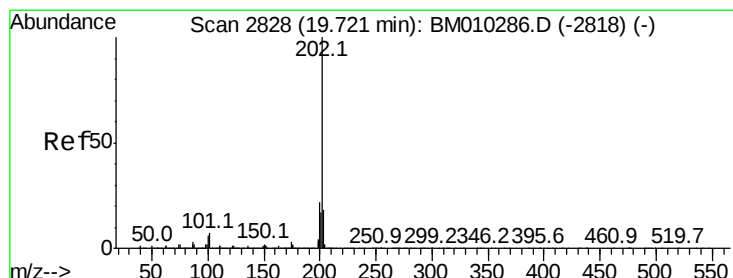
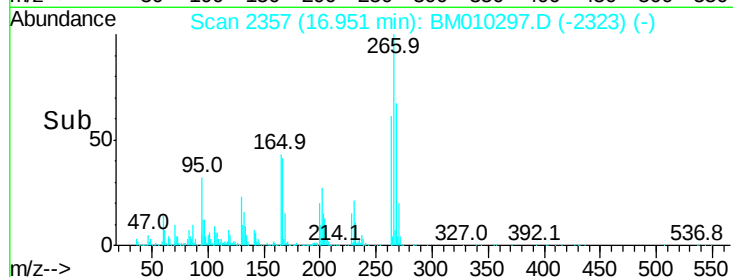
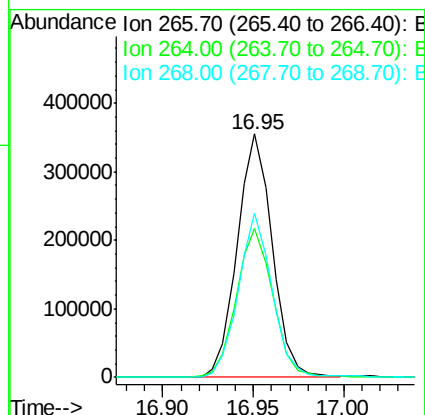
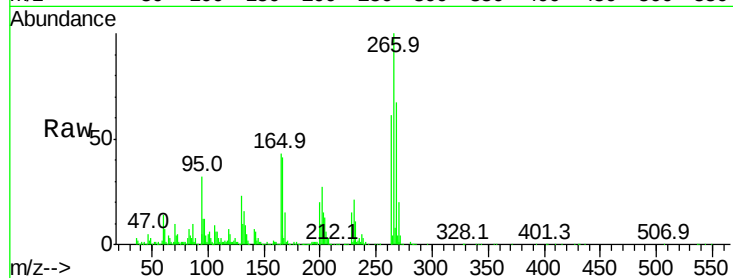




#68  
 Pentachlorophenol  
 Concen: 27.39 ng/ul  
 RT: 16.95 min Scan# 2357  
 Delta R.T. -0.00 min  
 Lab File: BM010297.D  
 Acq: 28 May 2017 04:08

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF0MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.9  | 49.3  | 73.9  |
| 268     | 67.5  | 52.6  | 78.8  |



#77  
 Pyrene  
 Concen: 30.18 ng/ul  
 RT: 19.72 min Scan# 2828  
 Delta R.T. -0.00 min  
 Lab File: BM010297.D  
 Acq: 28 May 2017 04:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.3   | 5.1   | 7.7   |
| 100     | 6.4   | 4.9   | 7.3   |

