

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060117\  
 Data File : BM010354.D  
 Acq On : 01 Jun 2017 14:24  
 Operator : SJ/MA  
 Sample : I3163-09MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF7MSD

Quant Time: Jun 02 00:59:56 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 02 00:58:56 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.92  | 152  | 322845   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.73 | 136  | 1167604  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.56 | 164  | 697223   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.30 | 188  | 1595674  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.46 | 240  | 2124109  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.81 | 264  | 2154721  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.38  | 96  | 36486   | 4.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.10  | 99  | 656040  | 26.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.26  | 67  | 381045  | 27.71 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.46  | 132 | 550532  | 28.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.65  | 113 | 385359  | 19.52 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.10  | 128 | 259800  | 30.38 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.82  | 143 | 306498  | 30.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.35 | 165 | 590300  | 29.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.89 | 131 | 308277  | 15.70 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.97 | 166 | 1885905 | 32.56 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.25 | 160 | 2170017 | 32.11 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.80 | 143 | 186336  | 21.50 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.54 | 176 | 1606697 | 31.55 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.67 | 200 | 270290  | 23.91 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.40 | 188 | 2487728 | 32.04 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.69 | 212 | 3094107 | 35.23 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.66 | 264 | 3107548 | 30.98 | ng/ul | 0.00 |

## Target Compounds

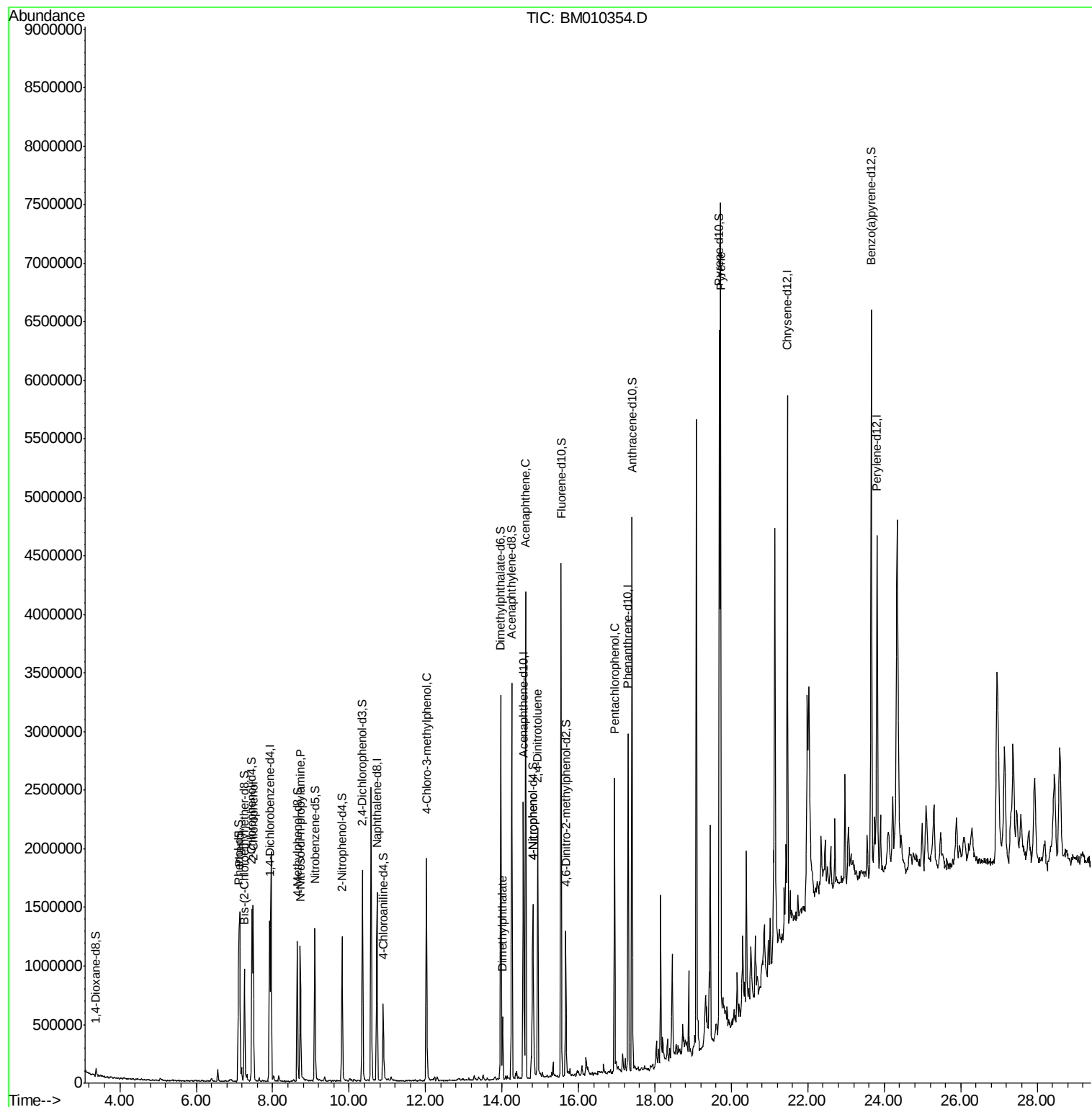
|                                |       |     |         |        |        | Qvalue |
|--------------------------------|-------|-----|---------|--------|--------|--------|
| 6) Phenol                      | 7.13  | 94  | 700326  | 27.922 | ng/ul  | 97     |
| 10) 2-Chlorophenol             | 7.49  | 128 | 548602  | 28.034 | ng/ul  | 94     |
| 15) N-Nitroso-di-n-propylamine | 8.73  | 70  | 491190  | 30.508 | ng/ul# | 80     |
| 33) 4-Chloro-3-methylphenol    | 12.02 | 107 | 575666  | 29.991 | ng/ul  | 97     |
| 44) Dimethylphthalate          | 14.02 | 163 | 290074  | 5.092  | ng/ul  | 97     |
| 49) Acenaphthene               | 14.62 | 153 | 1483921 | 32.039 | ng/ul  | 99     |
| 52) 4-Nitrophenol              | 14.81 | 109 | 278792  | 23.472 | ng/ul  | 88     |
| 54) 2,4-Dinitrotoluene         | 14.93 | 165 | 520122  | 33.918 | ng/ul  | 96     |
| 68) Pentachlorophenol          | 16.94 | 266 | 385864  | 29.483 | ng/ul  | 97     |
| 77) Pyrene                     | 19.72 | 202 | 3858494 | 35.251 | ng/ul  | 99     |

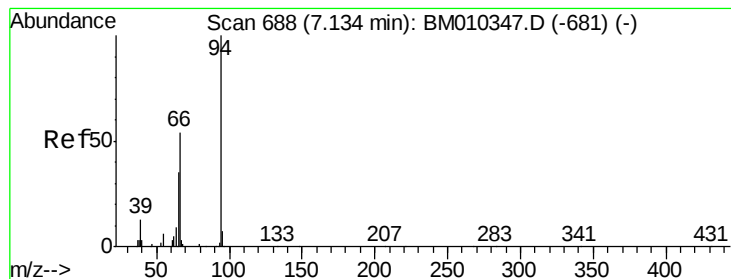
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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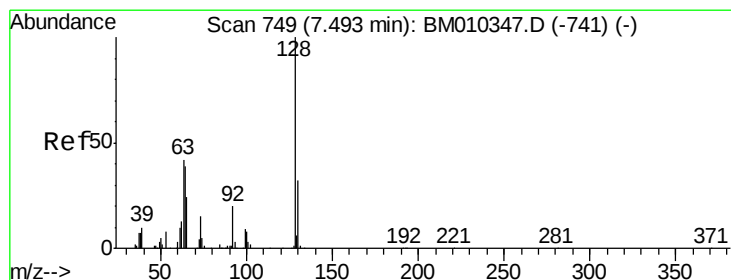
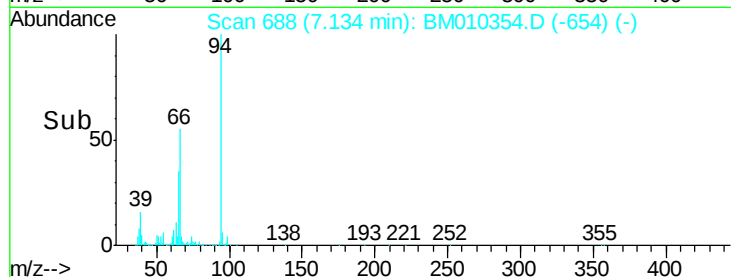
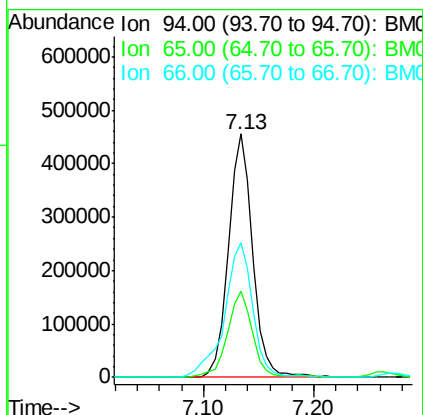
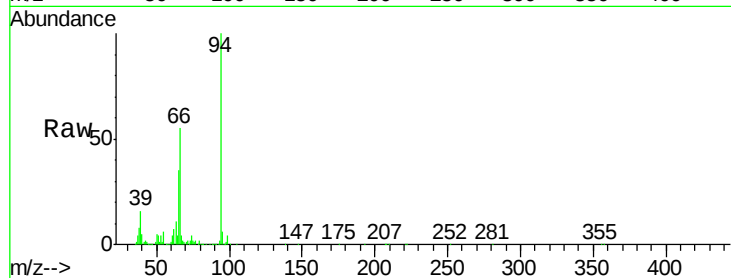
#6

Phenol

Concen: 27.922 ng/ul  
 RT: 7.13 min Scan# 688  
 Delta R.T. -0.00 min  
 Lab File: BM010354.D  
 Acq: 01 Jun 2017 14:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF7MSD

Tgt Ion: 94 Resp: 700326  
 Ion Ratio Lower Upper  
 94 100  
 65 35.4 28.2 42.4  
 66 55.4 47.2 70.8

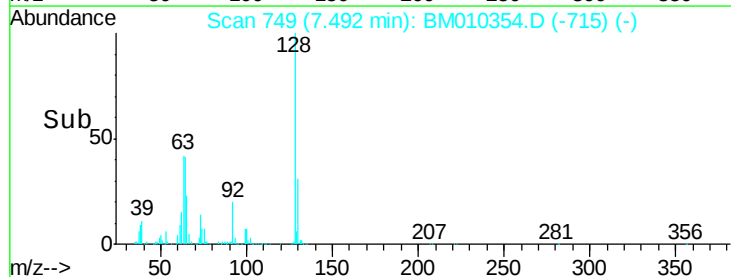
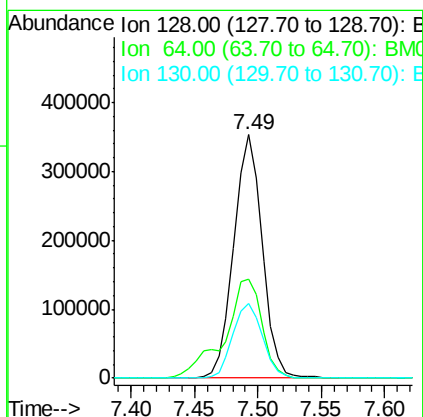
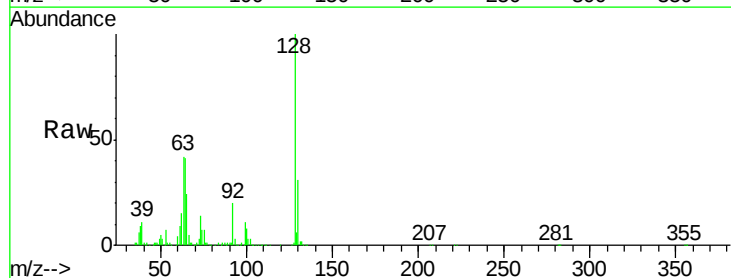


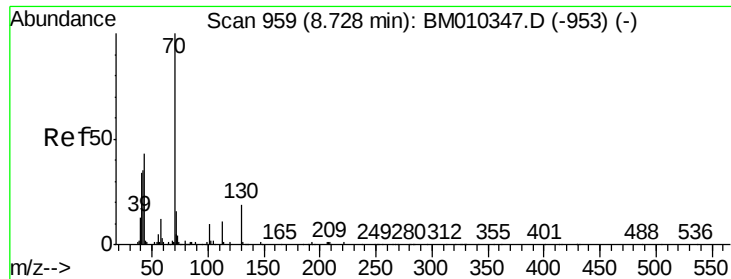
#10

2-Chlorophenol

Concen: 28.034 ng/ul  
 RT: 7.49 min Scan# 749  
 Delta R.T. -0.00 min  
 Lab File: BM010354.D  
 Acq: 01 Jun 2017 14:24

Tgt Ion: 128 Resp: 548602  
 Ion Ratio Lower Upper  
 128 100  
 64 40.7 38.0 57.0  
 130 30.6 24.4 36.6

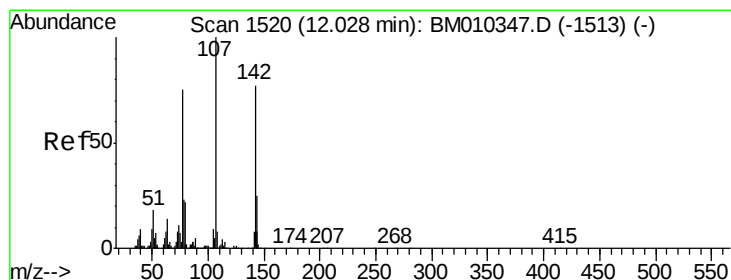
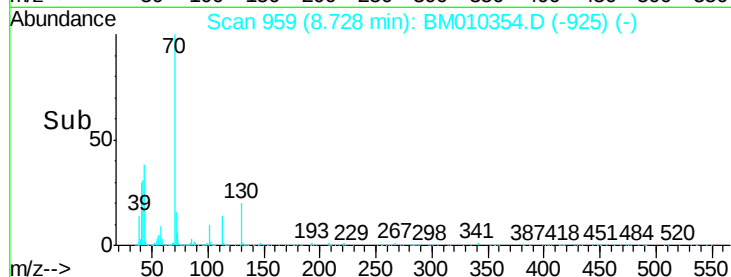
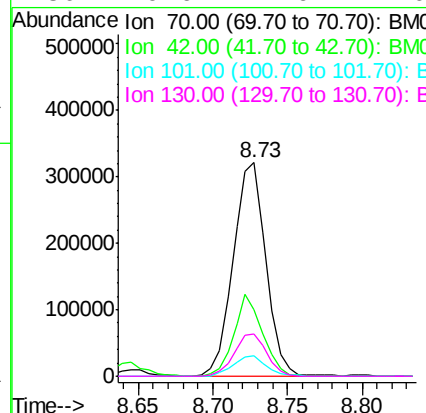
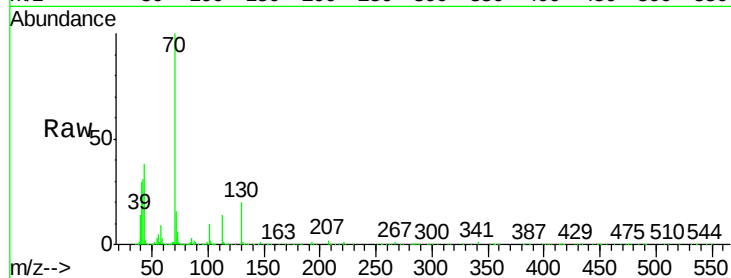




#15  
N-Nitroso-di-n-propylamine  
Concen: 30.508 ng/ul  
RT: 8.73 min Scan# 959  
Delta R.T. -0.00 min  
Lab File: BM010354.D  
Acq: 01 Jun 2017 14:24

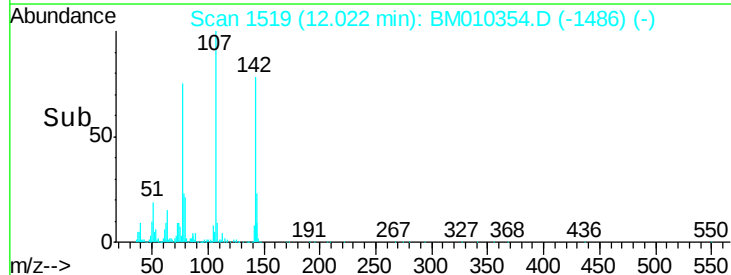
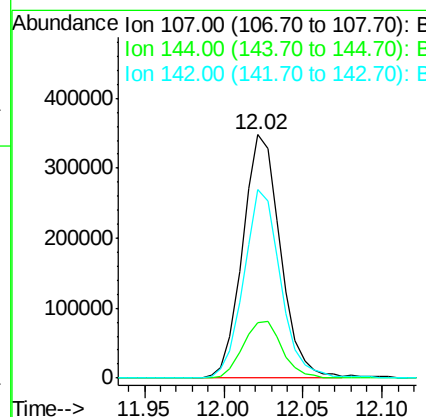
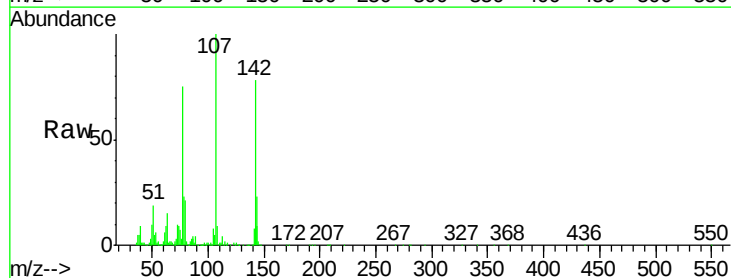
Instrument :  
BNA\_M  
ClientSampleId :  
JHSF7MSD

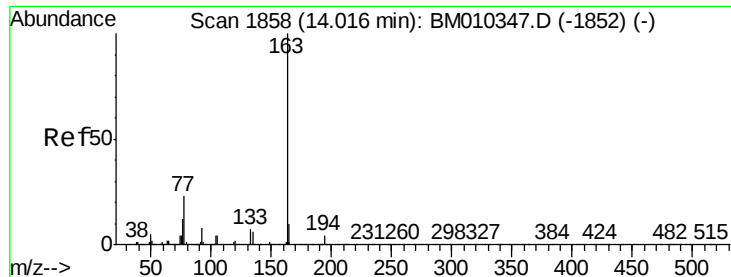
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 491190 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 31.1  | 41.1  | 61.7#  |
| 101      | 9.9   | 6.7   | 10.1   |
| 130      | 19.6  | 14.6  | 22.0   |



#33  
4-Chloro-3-methylphenol  
Concen: 29.991 ng/ul  
RT: 12.02 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BM010354.D  
Acq: 01 Jun 2017 14:24

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 575666 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 22.8  | 20.4  | 30.6   |
| 142      | 77.6  | 60.5  | 90.7   |





#44

Dimethylphthalate

Concen: 5.092 ng/ul

RT: 14.02 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BM010354.D

Acq: 01 Jun 2017 14:24

Instrument :

BNA\_M

ClientSampleId :

JHSF7MSD

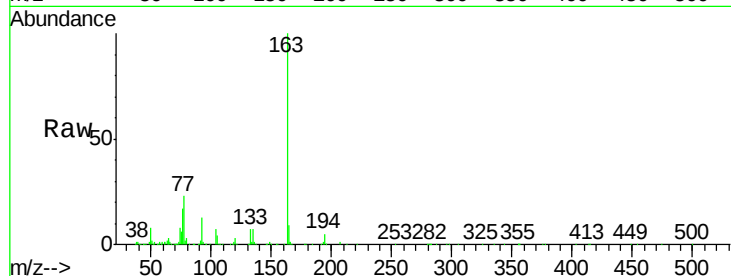
Tgt Ion:163 Resp: 290074

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

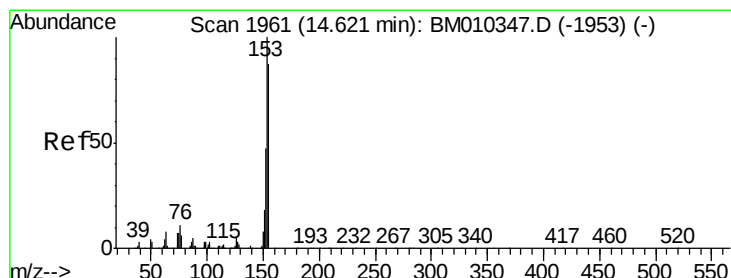
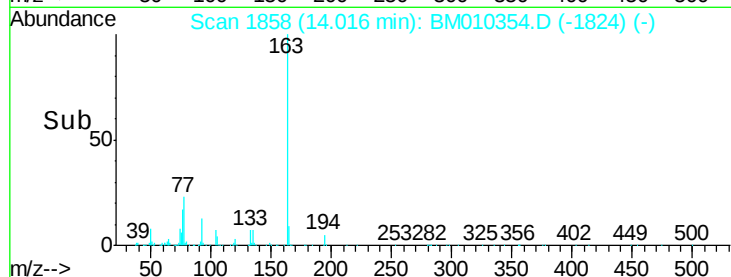
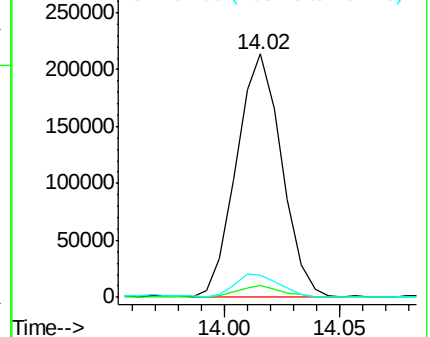
164 9.1 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 32.039 ng/ul

RT: 14.62 min Scan# 1961

Delta R.T. -0.00 min

Lab File: BM010354.D

Acq: 01 Jun 2017 14:24

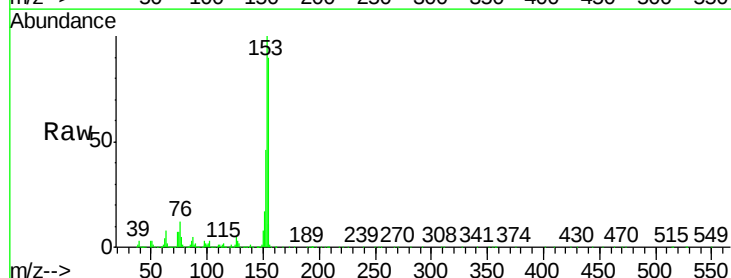
Tgt Ion:153 Resp: 1483921

Ion Ratio Lower Upper

153 100

152 46.5 37.6 56.4

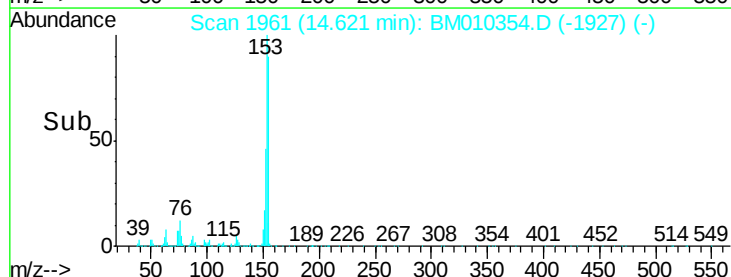
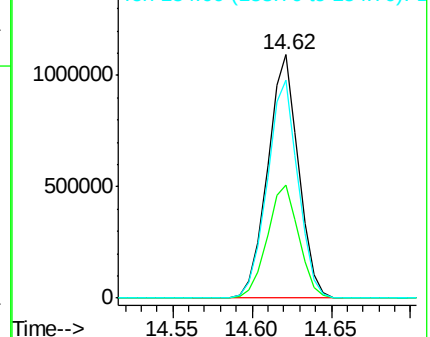
154 89.5 70.4 105.6

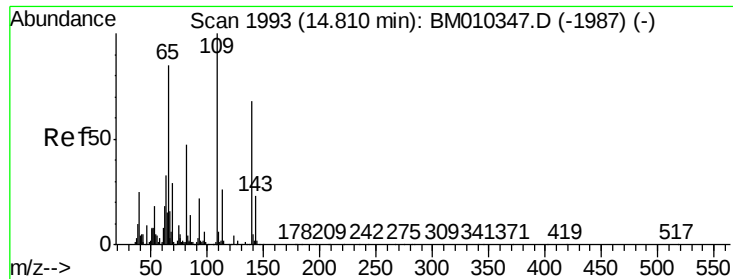


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 23.472 ng/ul

RT: 14.81 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BM010354.D

Acq: 01 Jun 2017 14:24

Instrument :

BNA\_M

ClientSampleId :

JHSF7MSD

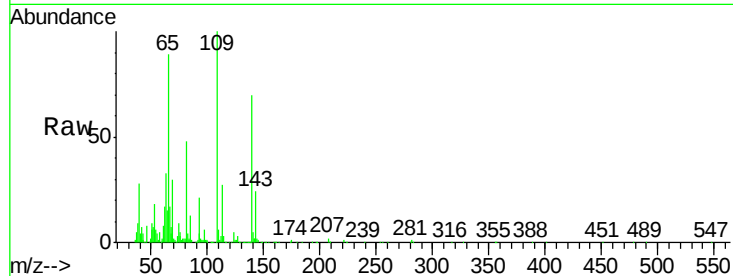
Tgt Ion:109 Resp: 278792

Ion Ratio Lower Upper

109 100

139 70.1 66.6 100.0

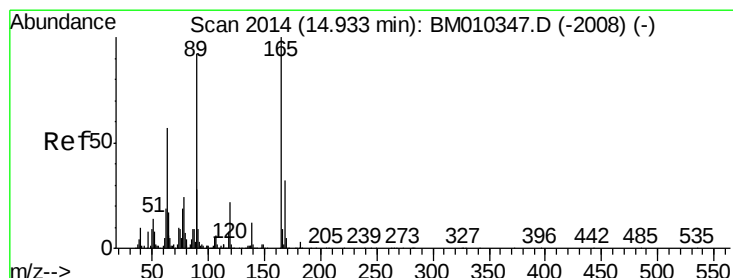
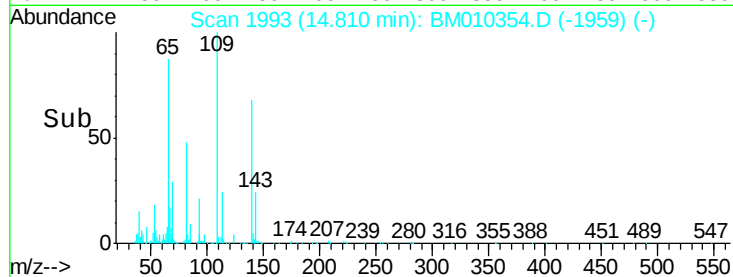
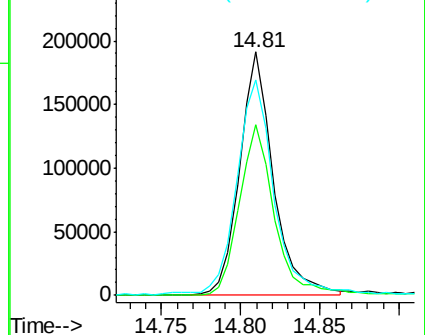
65 88.5 78.3 117.5



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: 33.918 ng/ul

RT: 14.93 min Scan# 2014

Delta R.T. -0.00 min

Lab File: BM010354.D

Acq: 01 Jun 2017 14:24

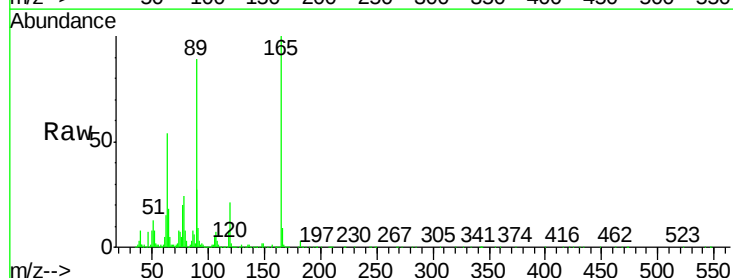
Tgt Ion:165 Resp: 520122

Ion Ratio Lower Upper

165 100

63 54.3 45.8 68.8

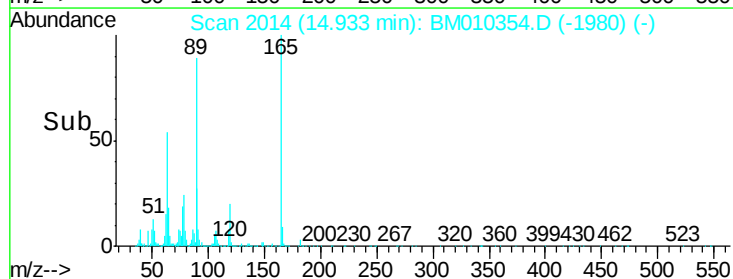
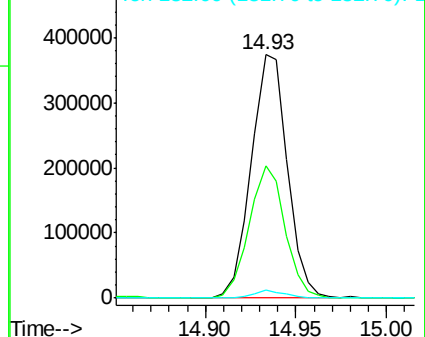
182 3.3 2.6 4.0

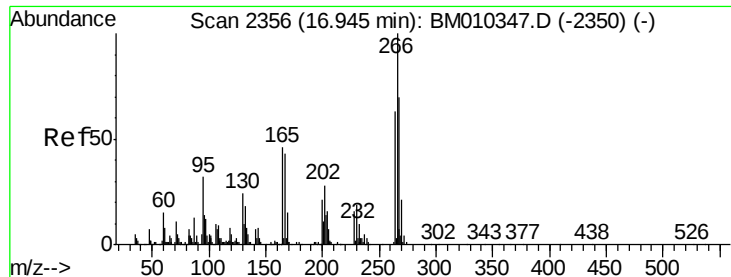


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

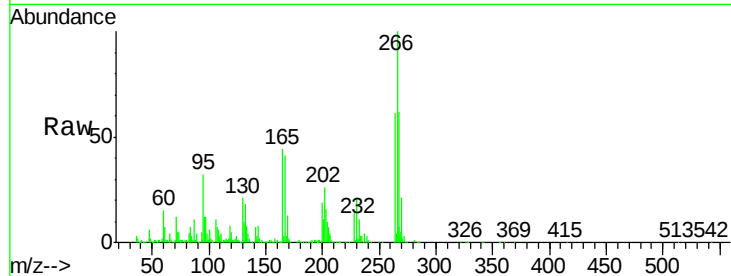




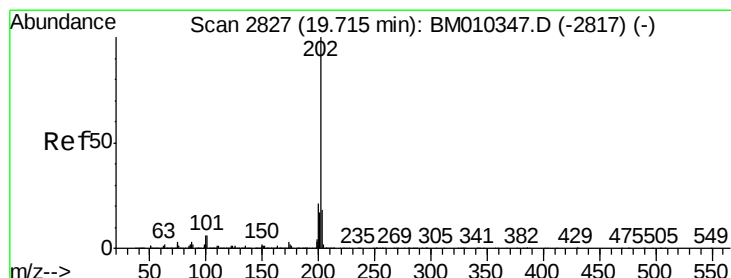
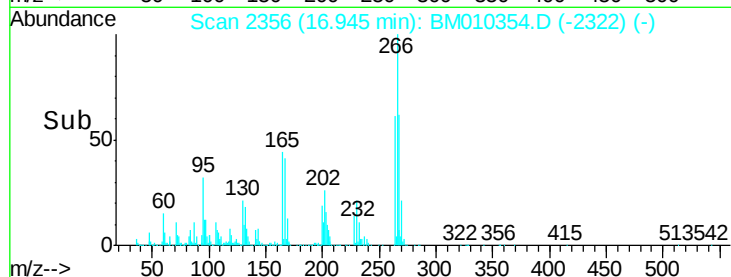
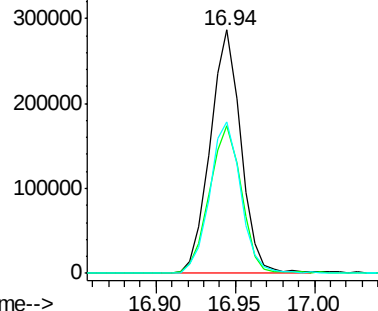
#68  
 Pentachlorophenol  
 Concen: 29.483 ng/ul  
 RT: 16.94 min Scan# 2356  
 Delta R.T. -0.00 min  
 Lab File: BM010354.D  
 Acq: 01 Jun 2017 14:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JHSF7MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.8  | 49.3  | 73.9  |
| 268     | 62.2  | 52.6  | 78.8  |

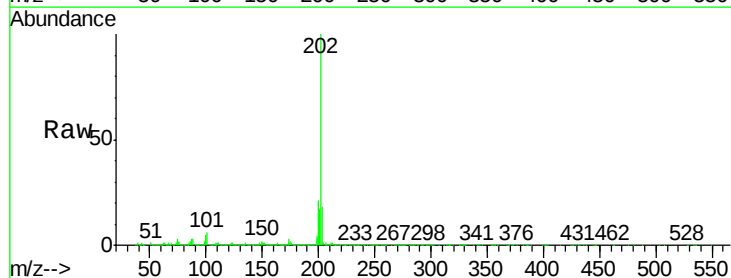


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#77  
 Pyrene  
 Concen: 35.251 ng/ul  
 RT: 19.72 min Scan# 2827  
 Delta R.T. -0.00 min  
 Lab File: BM010354.D  
 Acq: 01 Jun 2017 14:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 6.4   | 5.1   | 7.7   |
| 100     | 5.4   | 4.9   | 7.3   |



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

