

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121915\  
 Data File : BM003641.D  
 Acq On : 20 Dec 2015 05:03  
 Operator : UM/SJ  
 Sample : G4801-34MS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 G9C81MS

Quant Time: Dec 21 07:29:00 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 21 07:26:15 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 35268    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 171579   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.35 | 164  | 107579   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.10 | 188  | 258868   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.30 | 240  | 319645   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.54 | 264  | 314503   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 3882   | 5.93  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 96663  | 32.52 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.03  | 67  | 53580  | 33.83 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 80812  | 33.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.41  | 113 | 85917  | 33.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 42779  | 34.37 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 47194  | 33.70 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 82957  | 32.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 127239 | 37.38 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.76 | 166 | 302665 | 34.04 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.04 | 160 | 349577 | 34.53 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.56 | 143 | 59459  | 34.33 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.35 | 176 | 251778 | 34.23 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 42284  | 28.98 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.20 | 188 | 400299 | 33.99 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.50 | 212 | 492858 | 35.30 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.40 | 264 | 555893 | 35.58 | ng/ul | 0.00 |

## Target Compounds

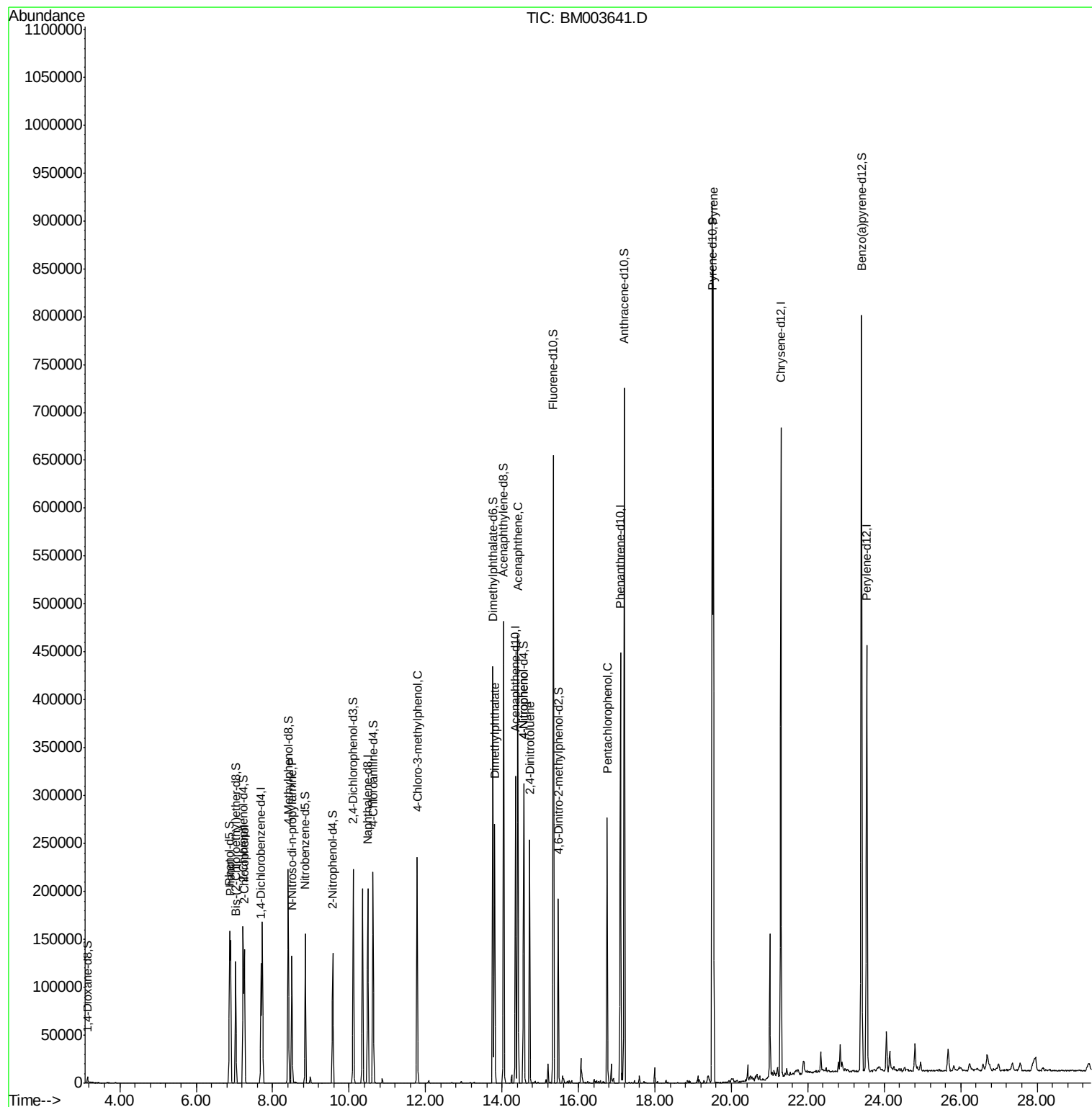
|                                |       |     |        |       |       | Ovalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 6) Phenol                      | 6.90  | 94  | 84994  | 27.15 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.26  | 128 | 68314  | 27.10 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 54827  | 28.15 | ng/ul | 98     |
| 33) 4-Chloro-3-methylphenol    | 11.78 | 107 | 88907  | 28.52 | ng/ul | 99     |
| 45) Dimethylphthalate          | 13.80 | 163 | 179655 | 19.75 | ng/ul | 99     |
| 50) Acenaphthene               | 14.42 | 153 | 192216 | 26.00 | ng/ul | 99     |
| 53) 4-Nitrophenol              | 14.57 | 109 | 42000  | 28.65 | ng/ul | 97     |
| 55) 2,4-Dinitrotoluene         | 14.72 | 165 | 74792  | 27.79 | ng/ul | 100    |
| 69) Pentachlorophenol          | 16.75 | 266 | 44117  | 27.28 | ng/ul | 98     |
| 80) Pyrene                     | 19.53 | 202 | 484534 | 26.34 | ng/ul | 100    |

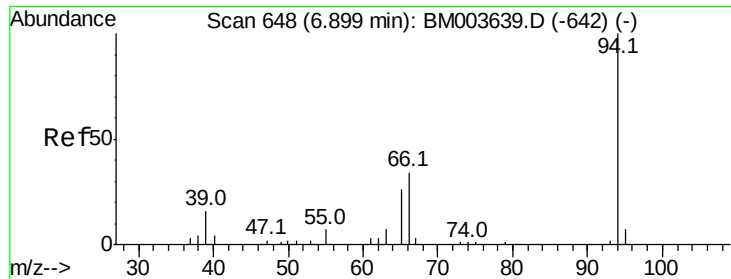
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 27.15 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

Instrument :

BNA\_M

ClientSampleId :

G9C81MS

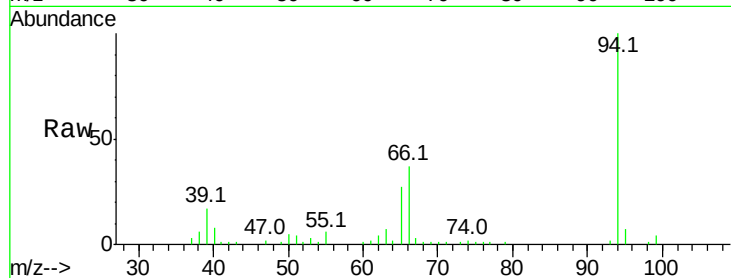
Tot Ion: 94 Resp: 84994

Ion Ratio Lower Upper

94 100

65 26.6 21.0 31.6

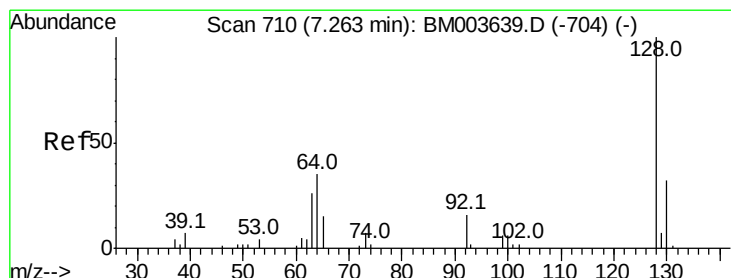
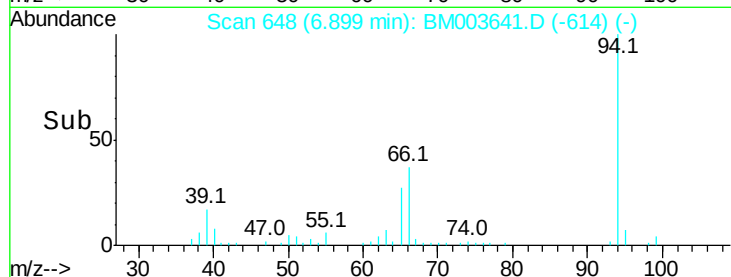
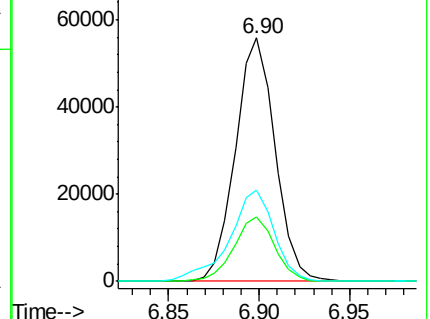
66 37.3 29.3 43.9



Abundance Ion 94.00 (93.70 to 94.70): BM003639.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM003639.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM003639.D (-642) (-)



#10

2-Chlorophenol

Concen: 27.10 ng/ul

RT: 7.26 min Scan# 710

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

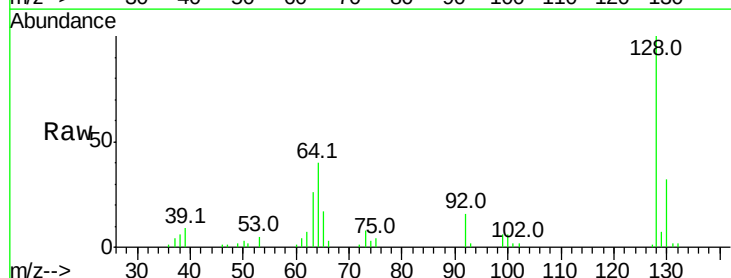
Tgt Ion: 128 Resp: 68314

Ion Ratio Lower Upper

128 100

64 39.7 31.9 47.9

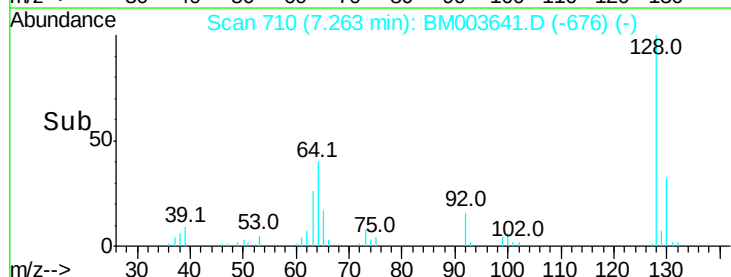
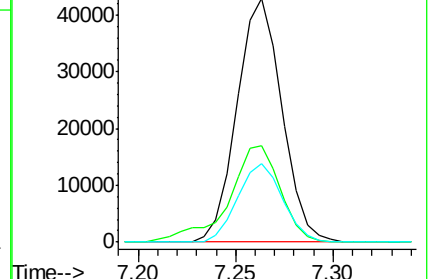
130 32.4 25.6 38.4

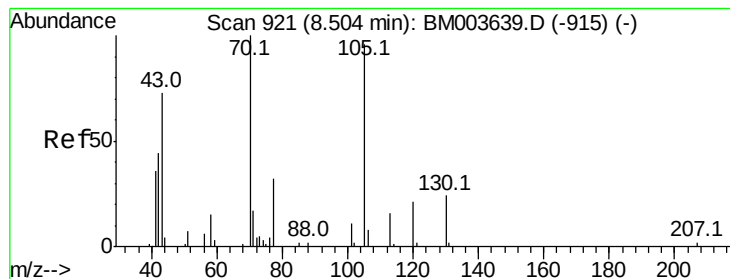


Abundance Ion 128.00 (127.70 to 128.70): BM003639.D (-704) (-)

Ion 64.00 (63.70 to 64.70): BM003639.D (-704) (-)

Ion 130.00 (129.70 to 130.70): BM003639.D (-704) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 28.15 ng/ul

RT: 8.50 min Scan# 921

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

Instrument :

BNA\_M

ClientSampleId :

G9C81MS

Tot Ion: 70 Resp: 54827

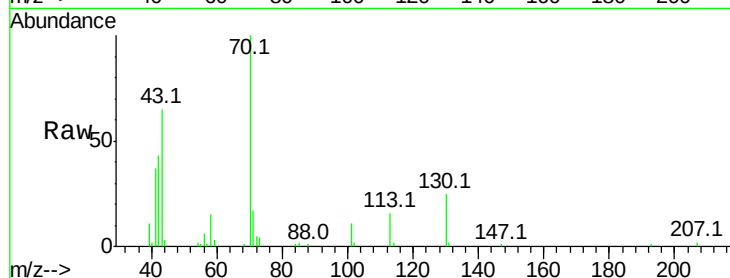
Ion Ratio Lower Upper

70 100

42 43.3 35.4 53.0

101 10.7 8.4 12.6

130 24.5 18.2 27.4

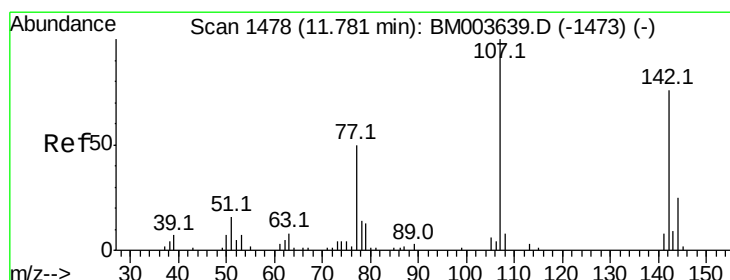
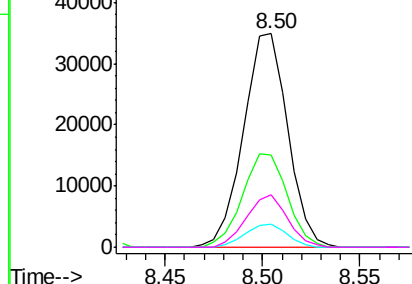
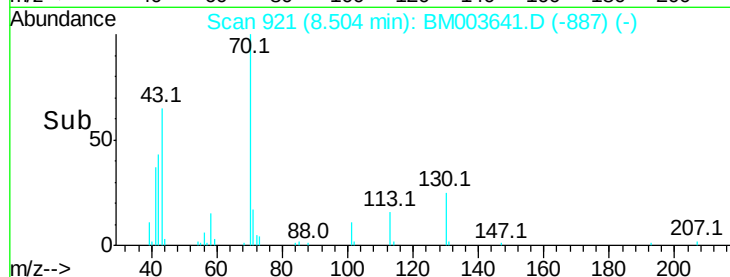


Abundance Ion 70.00 (69.70 to 70.70): BM003641.D (-887) (-)

Ion 42.00 (41.70 to 42.70): BM003641.D (-887) (-)

Ion 101.00 (100.70 to 101.70): BM003641.D (-887) (-)

Ion 130.00 (129.70 to 130.70): BM003641.D (-887) (-)



#33

4-Chloro-3-methylphenol

Concen: 28.52 ng/ul

RT: 11.78 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

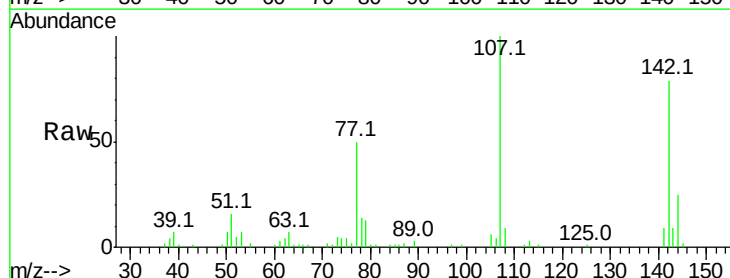
Tgt Ion: 107 Resp: 88907

Ion Ratio Lower Upper

107 100

144 24.9 20.4 30.6

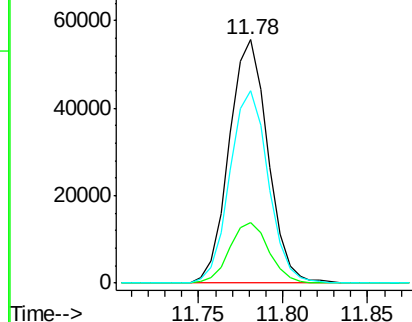
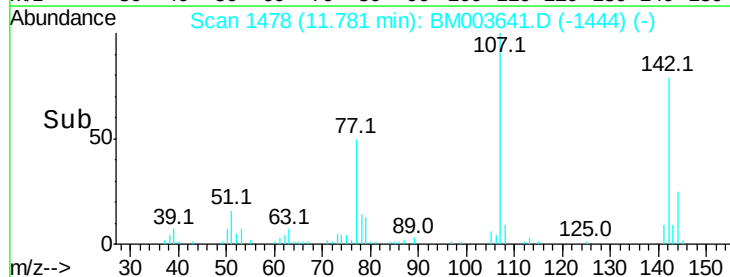
142 78.9 62.5 93.7

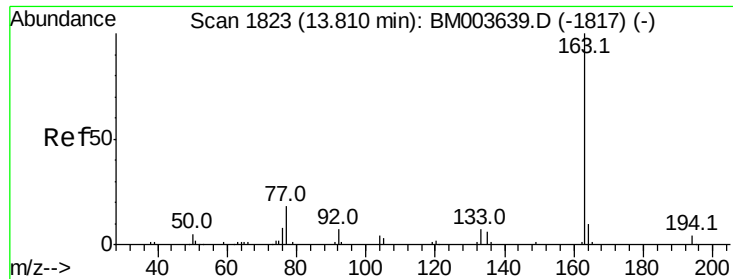


Abundance Ion 107.00 (106.70 to 107.70): BM003641.D (-1444) (-)

Ion 144.00 (143.70 to 144.70): BM003641.D (-1444) (-)

Ion 142.00 (141.70 to 142.70): BM003641.D (-1444) (-)

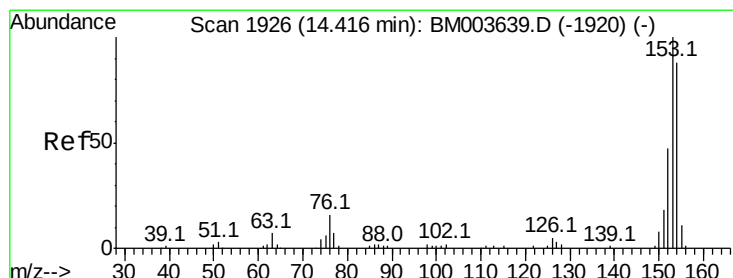
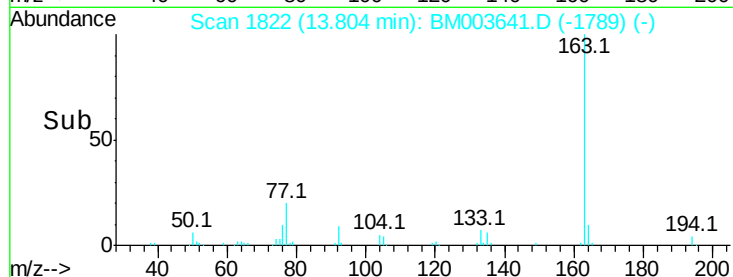
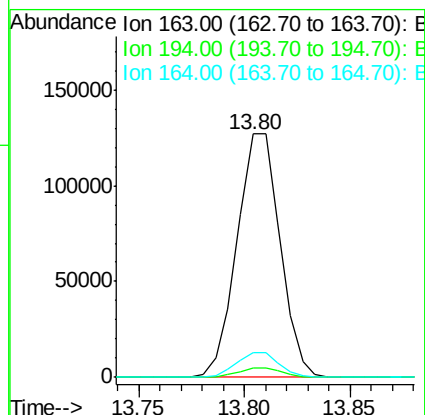
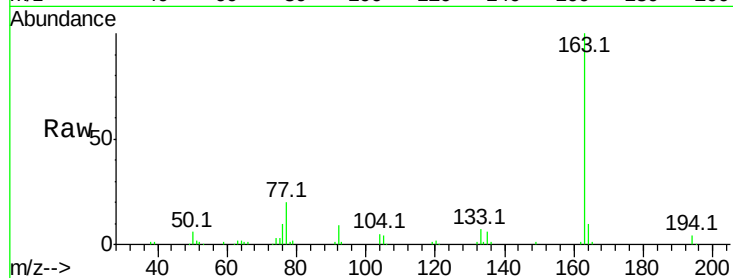




#45  
Dimethylphthalate  
Concen: 19.75 ng/ul  
RT: 13.80 min Scan# 1822  
Delta R.T. -0.01 min  
Lab File: BM003641.D  
Acq: 20 Dec 2015 05:03

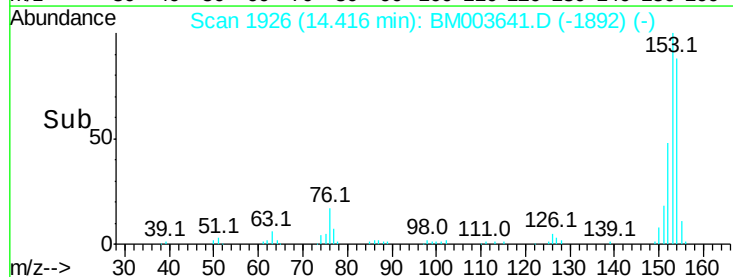
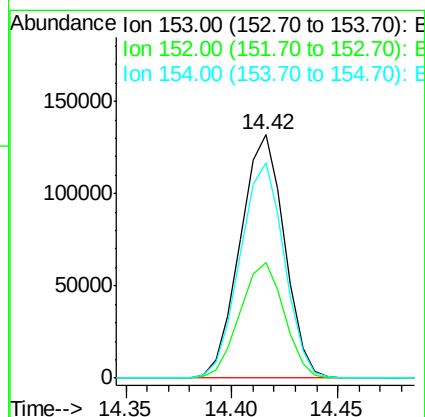
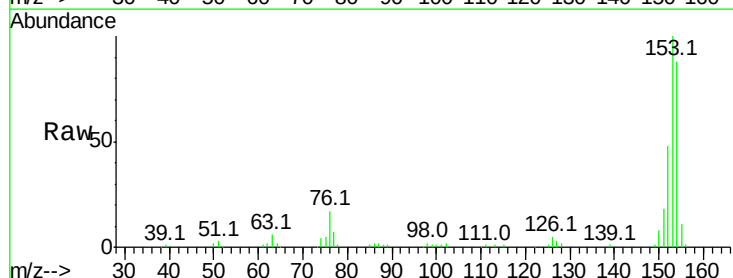
Instrument :  
BNA\_M  
ClientSampleId :  
G9C81MS

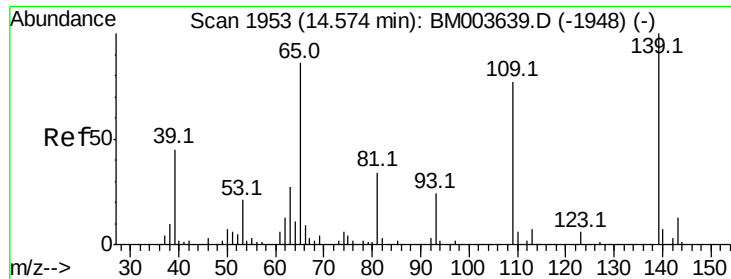
Tot Ion:163 Resp: 179655  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 10.4 7.8 11.8



#50  
Acenaphthene  
Concen: 26.00 ng/ul  
RT: 14.42 min Scan# 1926  
Delta R.T. 0.00 min  
Lab File: BM003641.D  
Acq: 20 Dec 2015 05:03

Tgt Ion:153 Resp: 192216  
Ion Ratio Lower Upper  
153 100  
152 47.7 38.3 57.5  
154 88.3 71.8 107.8





#53

4-Nitrophenol

Concen: 28.65 ng/ul

RT: 14.57 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

Instrument :

BNA\_M

ClientSampleId :

G9C81MS

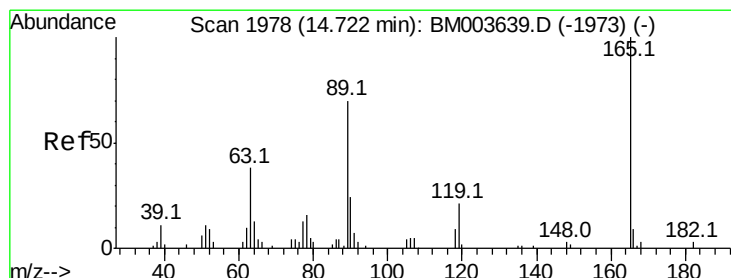
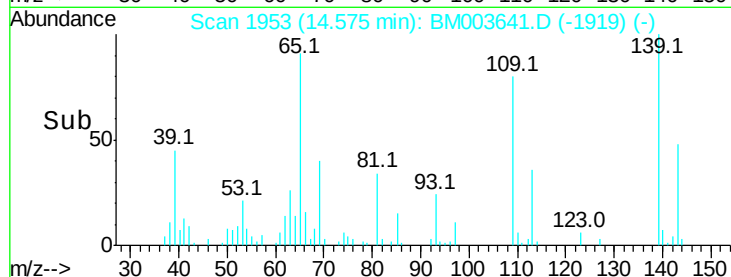
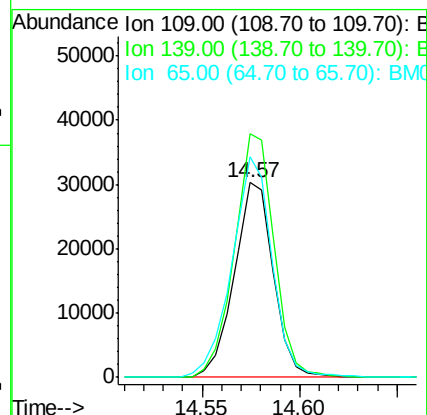
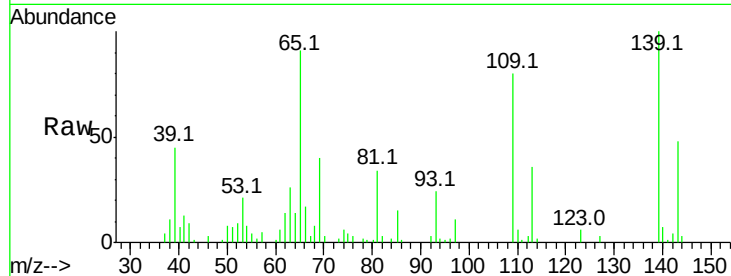
Tot Ion:109 Resp: 42000

Ion Ratio Lower Upper

109 100

139 125.1 103.7 155.5

65 113.5 89.4 134.2



#55

2,4-Dinitrotoluene

Concen: 27.79 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

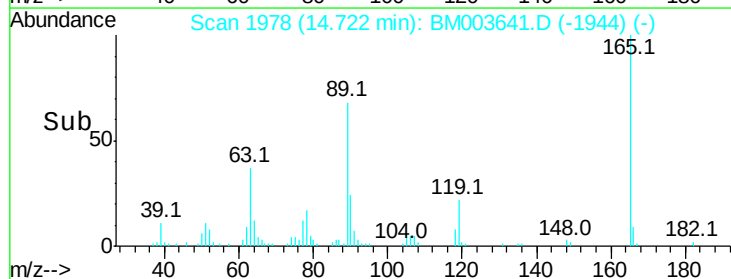
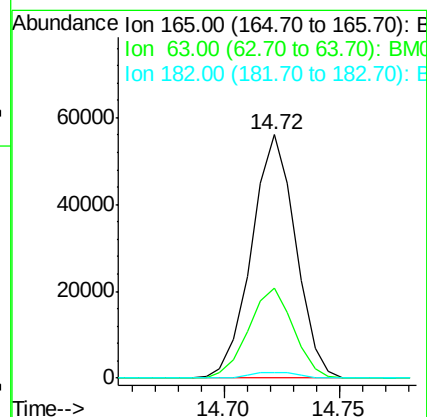
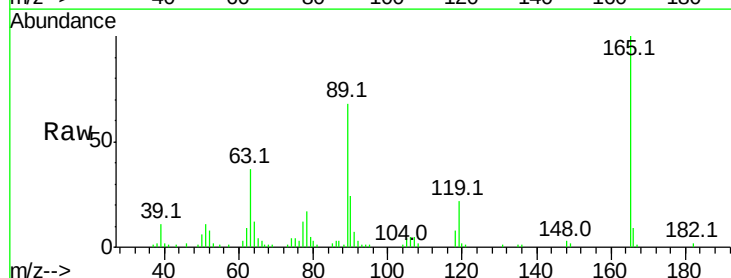
Tgt Ion:165 Resp: 74792

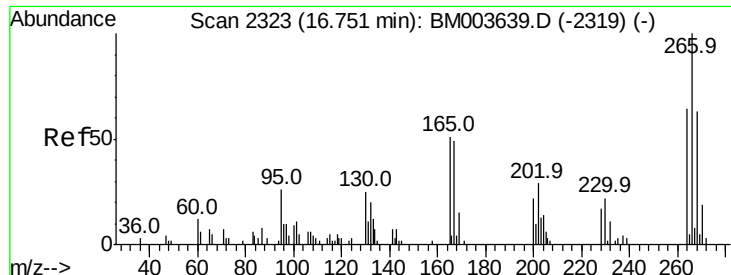
Ion Ratio Lower Upper

165 100

63 37.2 29.8 44.6

182 2.4 2.2 3.4





#69

Pentachlorophenol

Concen: 27.28 ng/ul

RT: 16.75 min Scan# 2323

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

Instrument :

BNA\_M

ClientSampleId :

G9C81MS

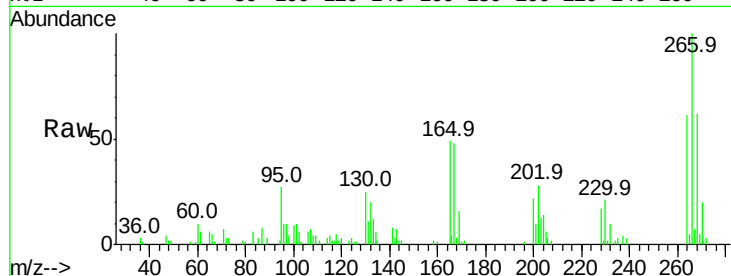
Tot Ion:266 Resp: 44117

Ion Ratio Lower Upper

266 100

264 61.4 50.5 75.7

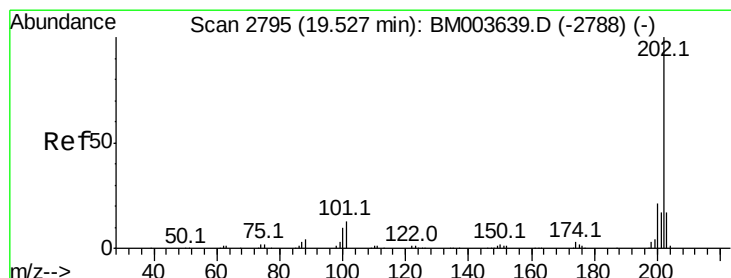
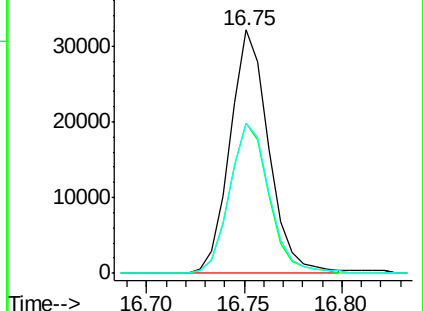
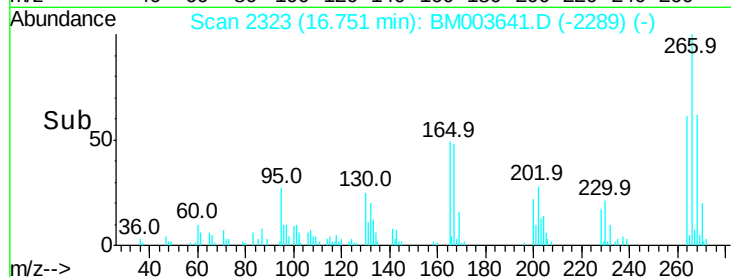
268 61.6 50.9 76.3



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



#80

Pyrene

Concen: 26.34 ng/ul

RT: 19.53 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BM003641.D

Acq: 20 Dec 2015 05:03

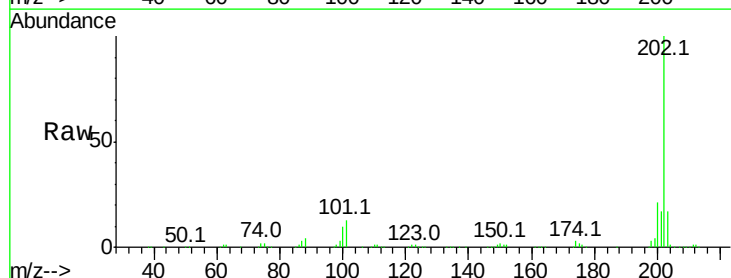
Tgt Ion:202 Resp: 484534

Ion Ratio Lower Upper

202 100

101 12.7 10.2 15.2

100 10.4 8.5 12.7



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

