

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN062018\  
 Data File : BN001888.D  
 Acq On : 20 Jun 2018 15:44  
 Operator : JU/SJ  
 Sample : J3527-16MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DAXS9MS

Quant Time: Jun 20 16:56:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 19 14:50:02 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 510579   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 2338310  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 1376775  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2902237  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.29 | 240  | 2389367  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.53 | 264  | 2241434  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 70420   | 5.99  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 323036  | 6.99  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 901087  | 31.60 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 947109  | 25.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 615980  | 16.64 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 595197  | 34.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 652987  | 36.33 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 1167703 | 30.43 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 67644   | 1.70  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 3939120 | 33.88 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 4864237 | 33.89 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 126605  | 5.91  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.34 | 176 | 3342759 | 32.80 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 533887  | 33.77 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 4809797 | 34.30 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 4805732 | 39.90 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.39 | 264 | 4249928 | 34.87 | ng/ul | 0.00 |

## Target Compounds

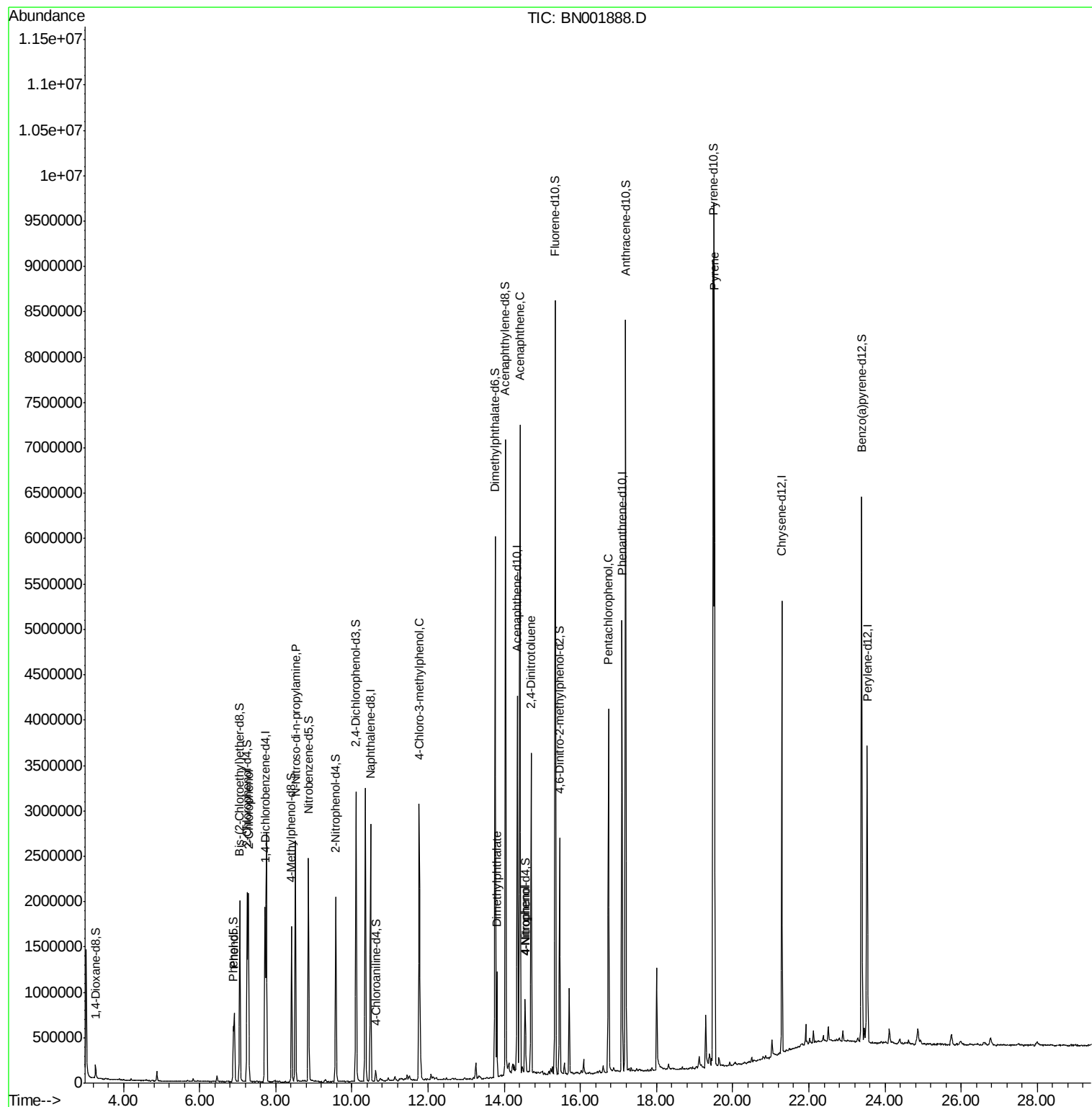
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.91  | 94  | 388241  | 8.332  | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.28  | 128 | 876105  | 23.627 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 920391  | 31.395 | ng/ul 93  |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 1090396 | 26.538 | ng/ul 96  |
| 44) Dimethylphthalate          | 13.80 | 163 | 722625  | 6.324  | ng/ul 99  |
| 49) Acenaphthene               | 14.41 | 153 | 2902688 | 30.203 | ng/ul 98  |
| 52) 4-Nitrophenol              | 14.55 | 109 | 92411   | 5.802  | ng/ul# 77 |
| 54) 2,4-Dinitrotoluene         | 14.71 | 165 | 982185  | 30.617 | ng/ul 95  |
| 68) Pentachlorophenol          | 16.74 | 266 | 687868  | 35.033 | ng/ul 97  |
| 77) Pyrene                     | 19.52 | 202 | 5622546 | 37.603 | ng/ul# 88 |

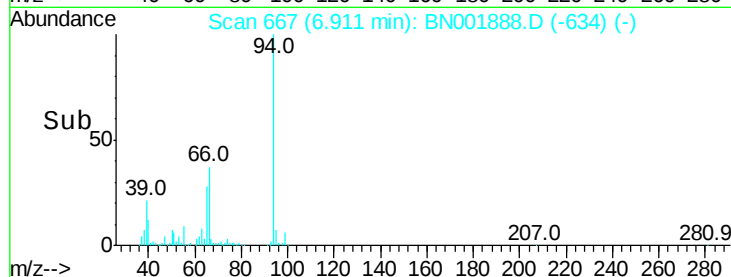
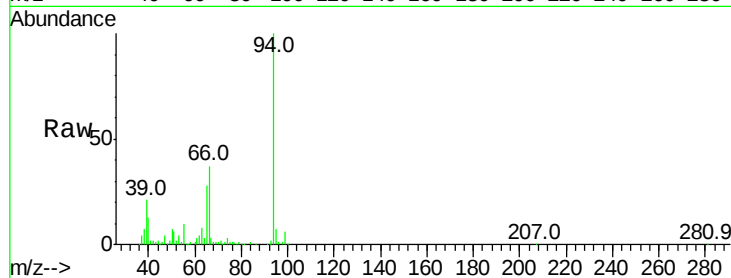
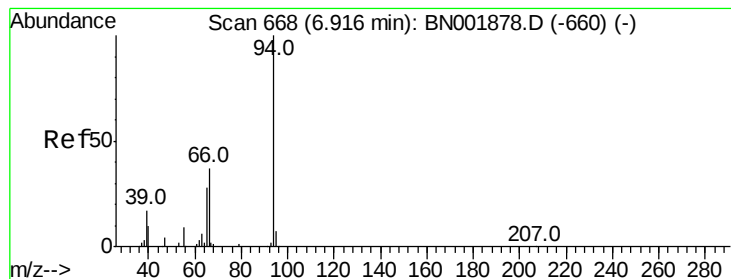
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 8.332 ng/ul

RT: 6.91 min Scan# 667

Delta R.T. -0.01 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

Instrument :

BNA\_N

ClientSampleId :

DAXS9MS

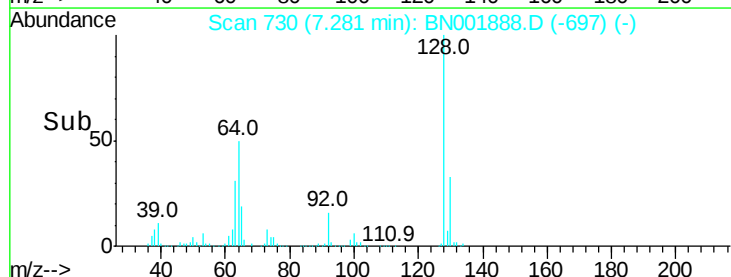
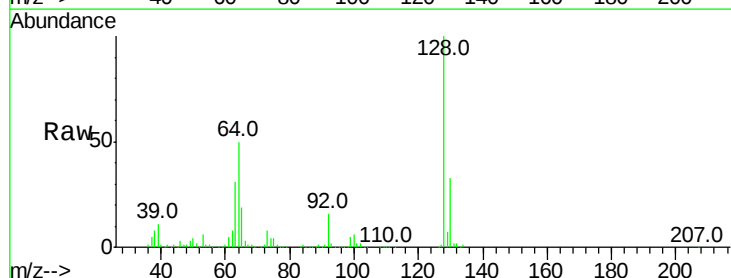
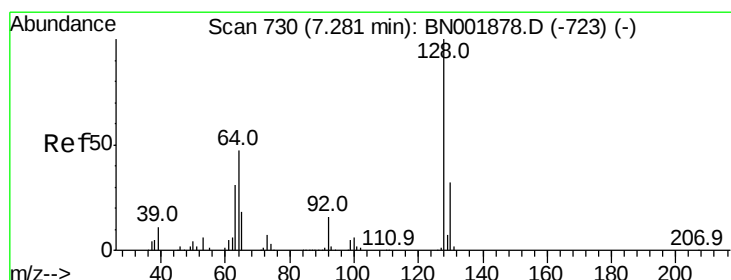
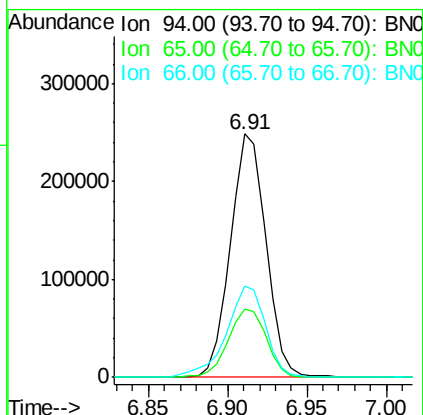
Tot Ion: 94 Resp: 388241

Ion Ratio Lower Upper

94 100

65 28.1 23.0 34.6

66 37.5 30.4 45.6



#10

2-Chlorophenol

Concen: 23.627 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. -0.01 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

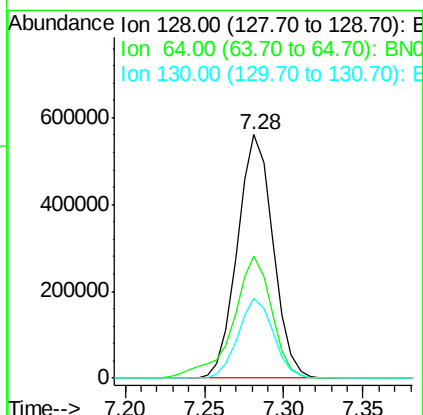
Tgt Ion: 128 Resp: 876105

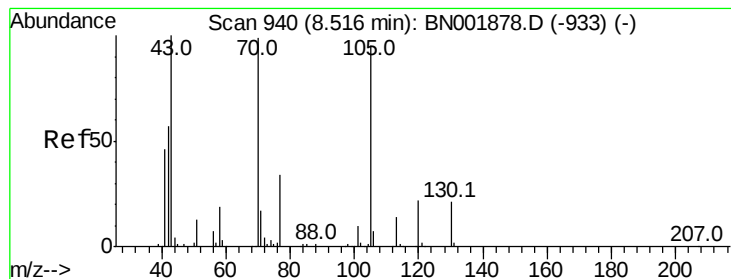
Ion Ratio Lower Upper

128 100

64 50.1 39.8 59.6

130 32.7 25.8 38.8





#15

N-Nitroso-di-n-propylamine

Concen: 31.395 ng/ul

RT: 8.52 min Scan# 940

Delta R.T. -0.01 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

Instrument :

BNA\_N

ClientSampleId :

DAXS9MS

Tot Ion: 70 Resp: 920391

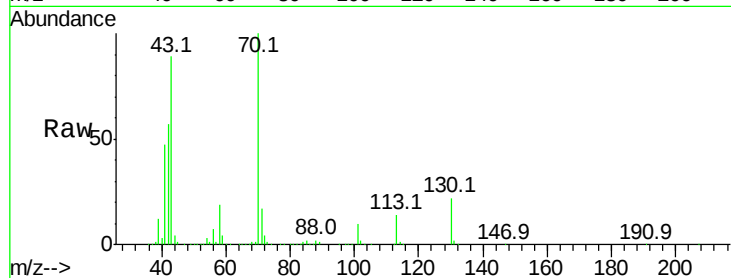
Ion Ratio Lower Upper

70 100

42 57.3 40.2 60.4

101 10.1 7.7 11.5

130 21.8 17.8 26.6

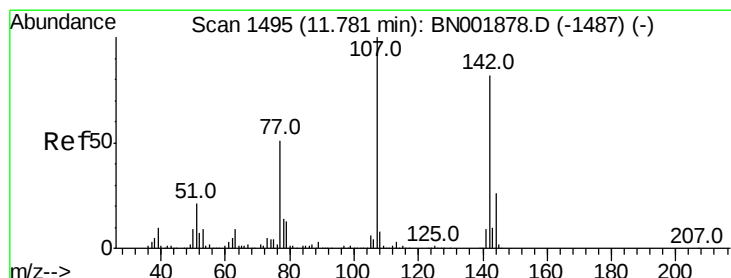
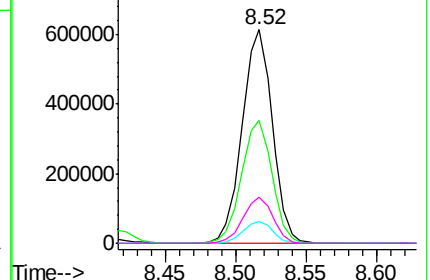
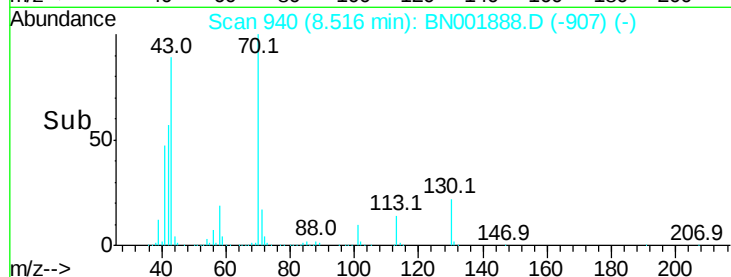


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#33

4-Chloro-3-methylphenol

Concen: 26.538 ng/ul

RT: 11.77 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

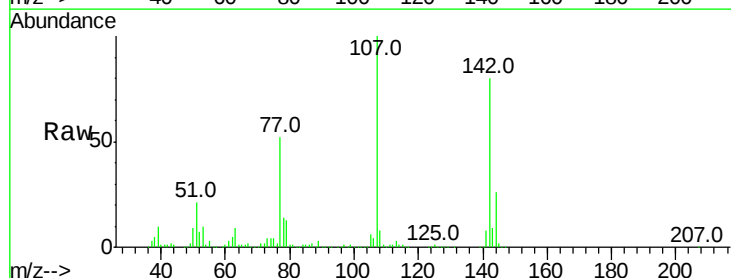
Tgt Ion:107 Resp: 1090396

Ion Ratio Lower Upper

107 100

144 25.9 21.1 31.7

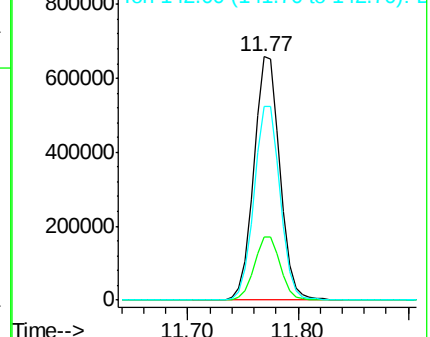
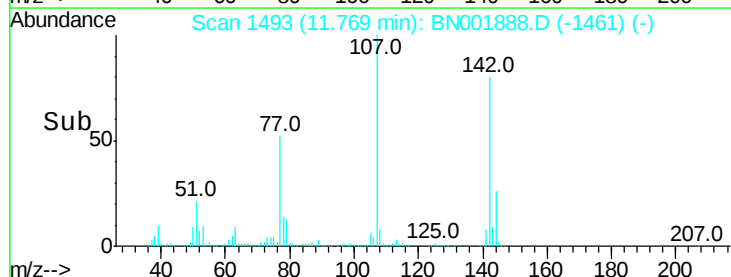
142 79.7 60.1 90.1

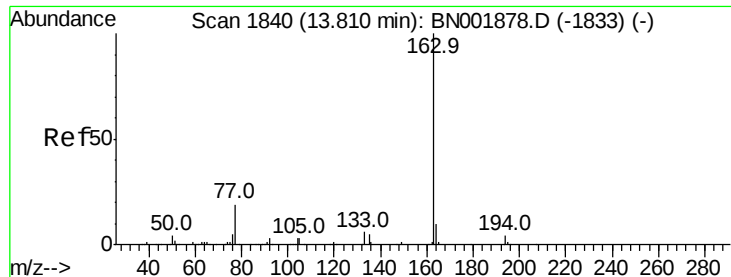


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 6.324 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

Instrument :

BNA\_N

ClientSampleId :

DAXS9MS

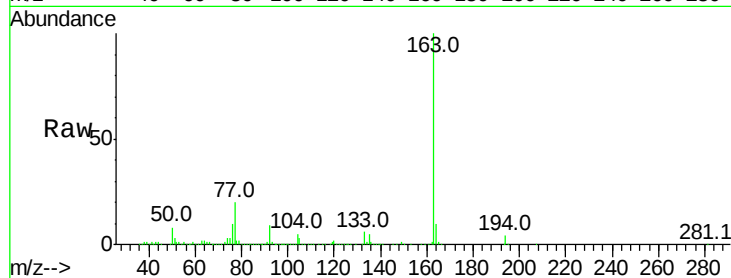
Tot Ion:163 Resp: 722625

Ion Ratio Lower Upper

163 100

194 4.2 4.0 6.0

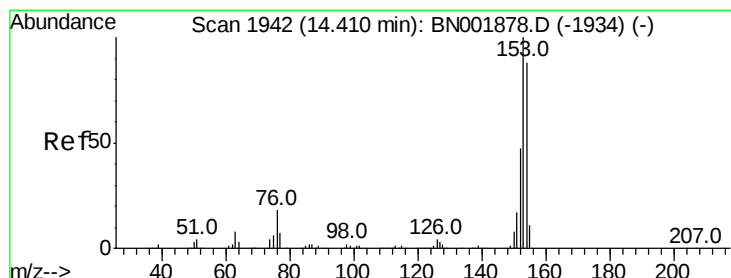
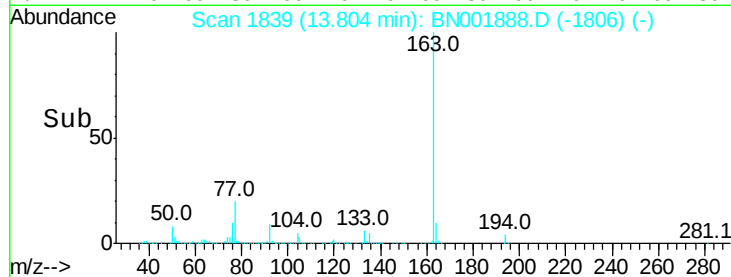
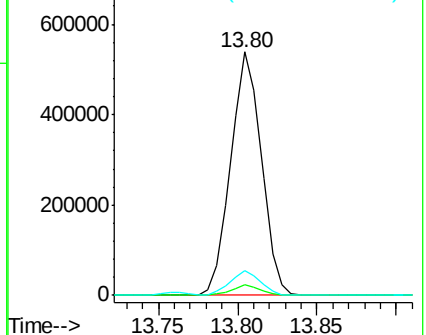
164 10.2 8.4 12.6



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: 30.203 ng/ul

RT: 14.41 min Scan# 1942

Delta R.T. 0.00 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

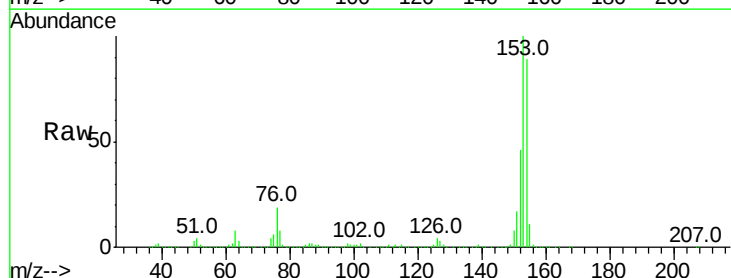
Tgt Ion:153 Resp: 2902688

Ion Ratio Lower Upper

153 100

152 46.4 37.9 56.9

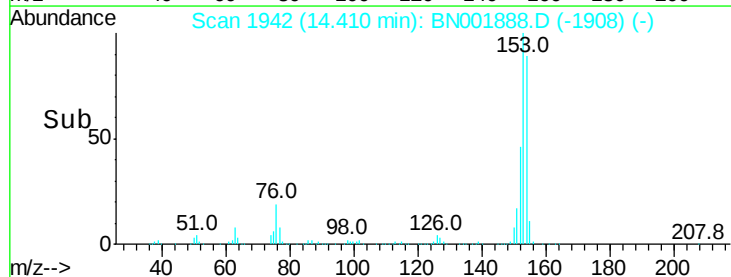
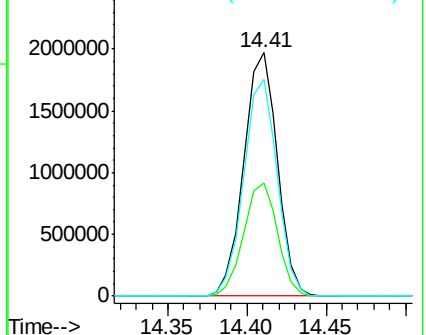
154 89.2 69.8 104.6

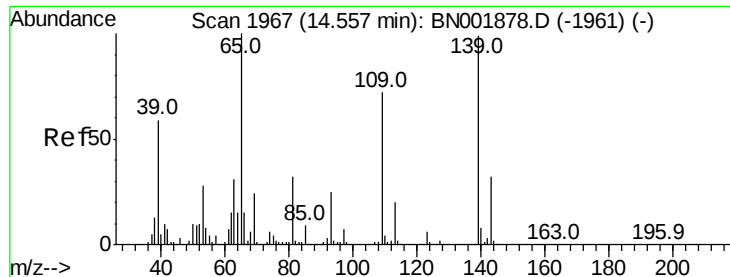


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 5.802 ng/ul

RT: 14.55 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BN001888.D

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Instrument :

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ClientSampleId :

DAXS9MS

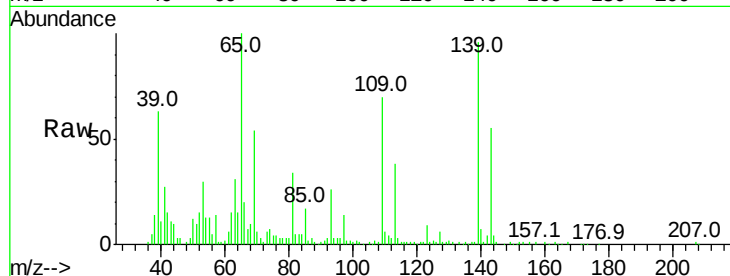
Tot Ion:109 Resp: 92411

Ion Ratio Lower Upper

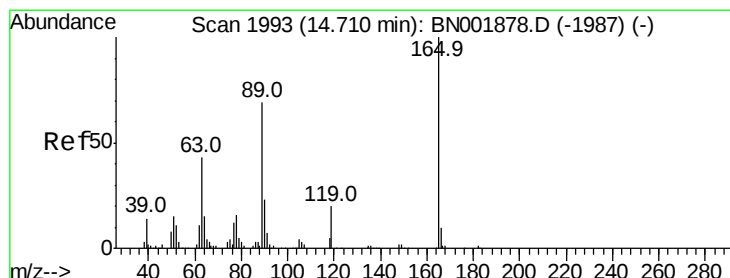
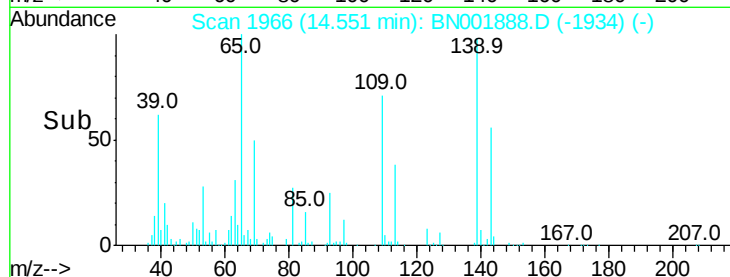
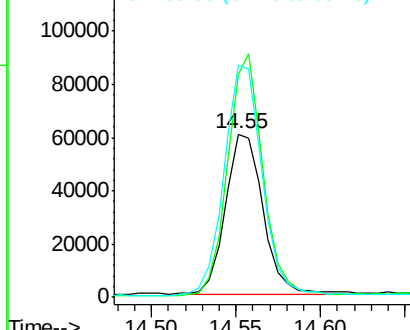
109 100

139 136.8 91.2 136.8

65 142.3 92.6 139.0#



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): BNC



#54

2,4-Dinitrotoluene

Concen: 30.617 ng/ul

RT: 14.71 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BN001888.D

Acq: 20 Jun 2018 15:44

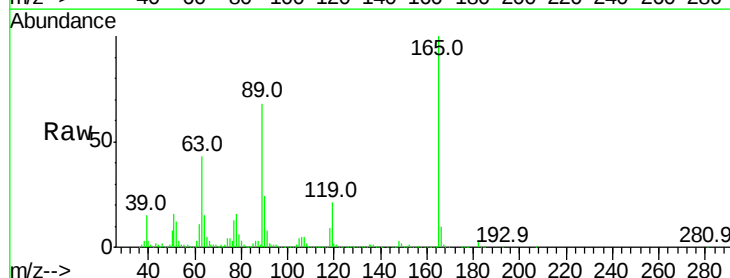
Tgt Ion:165 Resp: 982185

Ion Ratio Lower Upper

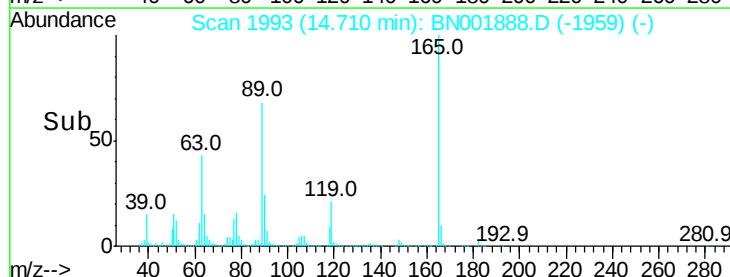
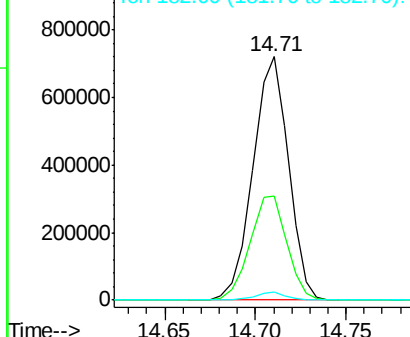
165 100

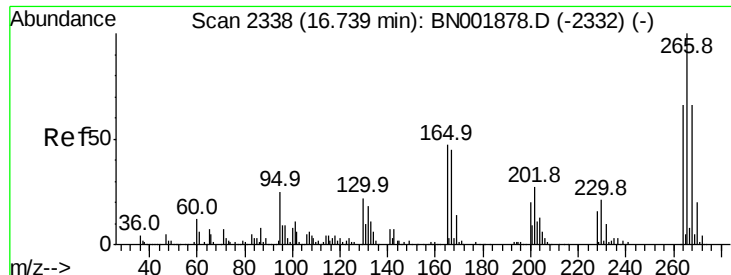
63 42.6 31.4 47.0

182 3.1 2.7 4.1



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BNC  
Ion 182.00 (181.70 to 182.70): E

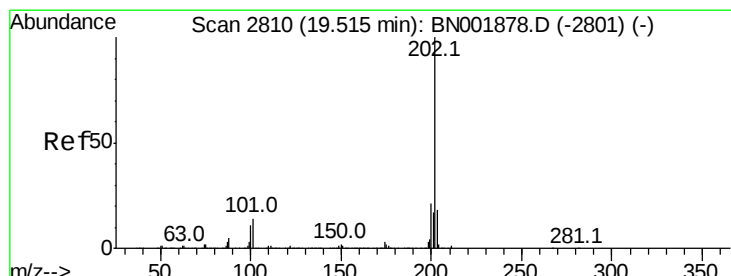
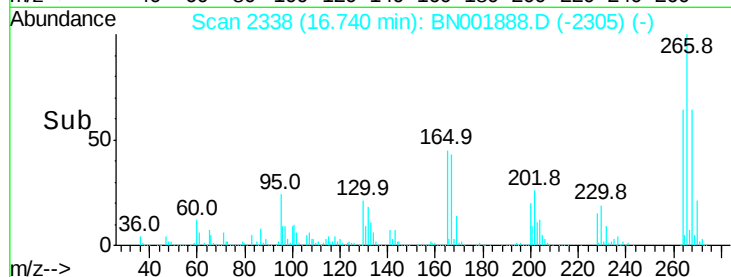
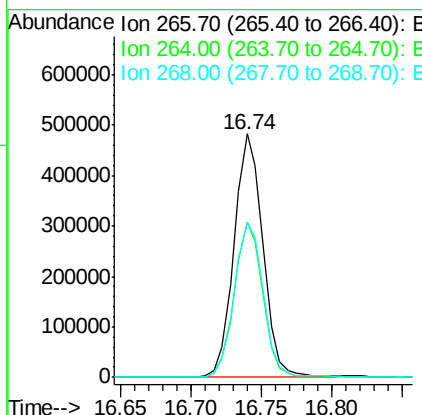
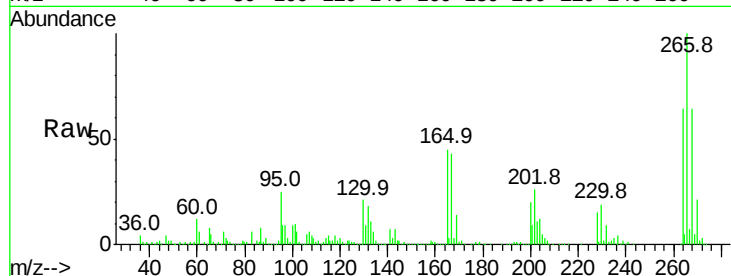




#68  
 Pentachlorophenol  
 Concen: 35.033 ng/ul  
 RT: 16.74 min Scan# 2338  
 Delta R.T. -0.01 min  
 Lab File: BN001888.D  
 Acq: 20 Jun 2018 15:44

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 DAXS9MS

Tot Ion:266 Resp: 687868  
 Ion Ratio Lower Upper  
 266 100  
 264 63.8 48.2 72.4  
 268 63.6 52.3 78.5



#77  
 Pyrene  
 Concen: 37.603 ng/ul  
 RT: 19.52 min Scan# 2811  
 Delta R.T. 0.00 min  
 Lab File: BN001888.D  
 Acq: 20 Jun 2018 15:44

Tgt Ion:202 Resp: 5622546  
 Ion Ratio Lower Upper  
 202 100  
 101 12.9 6.9 10.3#  
 100 10.7 5.6 8.4#

