

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091818\  
 Data File : BN002762.D  
 Acq On : 18 Sep 2018 20:55  
 Operator : JU/SJ  
 Sample : J4896-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Sep 19 02:10:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Sep 19 01:57:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 147966   | 20.00 | ng/ul | 0.05     |
| 18) Naphthalene-d8        | 10.44 | 136  | 674244   | 20.00 | ng/ul | 0.02     |
| 35) Acenaphthene-d10      | 14.28 | 164  | 370602   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.03 | 188  | 759834   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.23 | 240  | 621013   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.45 | 264  | 608634   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 49907   | 15.56 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.84  | 99  | 678320  | 53.98 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 431121  | 55.25 | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 574376  | 55.54 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 546036  | 56.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 279841  | 53.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.52  | 143 | 324001  | 54.82 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 540740  | 50.68 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.57 | 131 | 704873  | 57.10 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.70 | 166 | 1618025 | 55.78 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 1914385 | 50.54 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.51 | 143 | 285117  | 59.44 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.28 | 176 | 1336484 | 52.59 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 282366  | 59.41 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.13 | 188 | 1995333 | 55.00 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.43 | 212 | 1952050 | 59.57 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.31 | 264 | 1833222 | 57.22 | ng/ul | 0.00 |

## Target Compounds

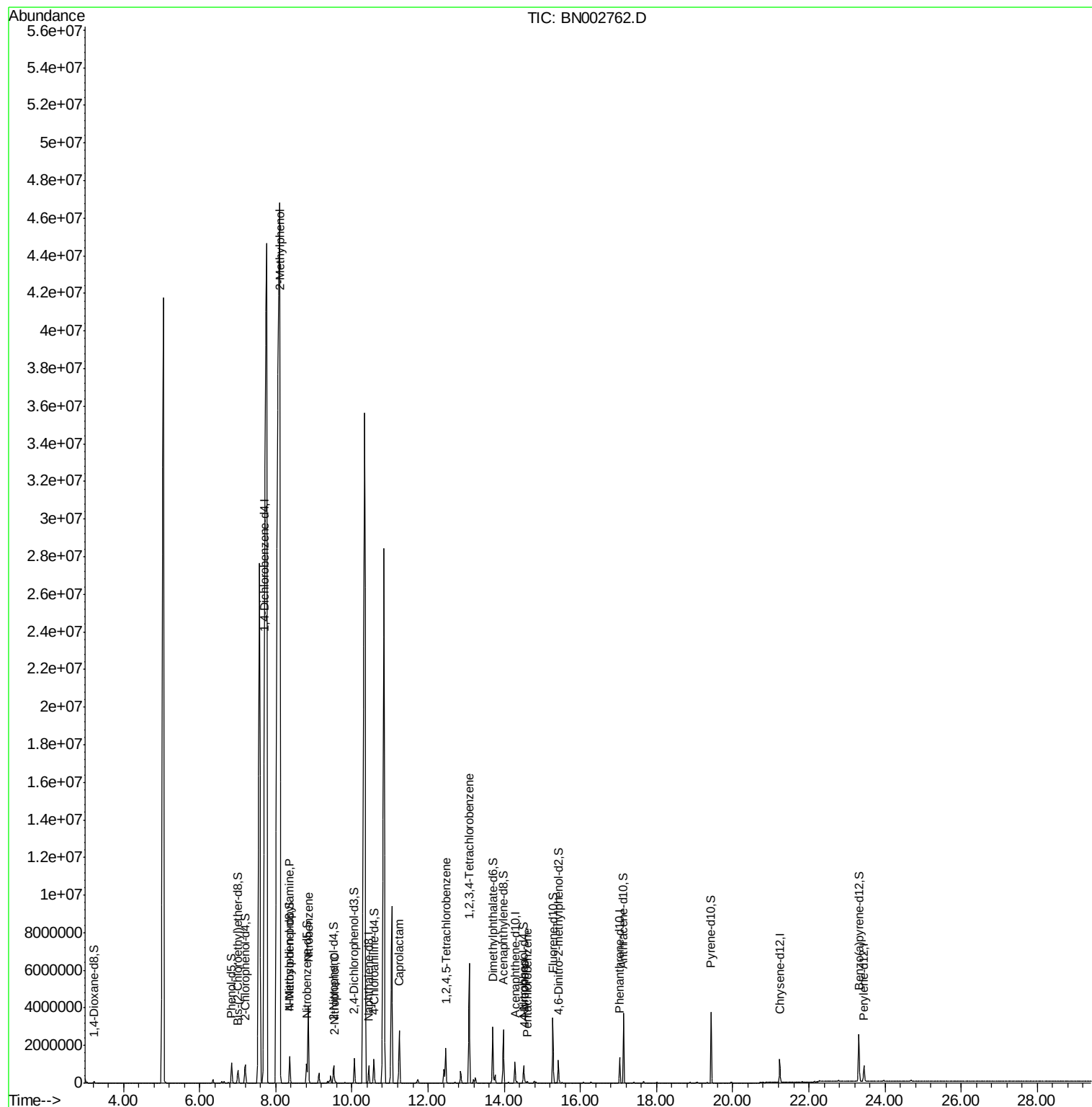
|                                |       |     |         |         | Ovalue |     |
|--------------------------------|-------|-----|---------|---------|--------|-----|
| 11) 2-Methylphenol             | 8.11  | 108 | 500007  | 52.551  | ng/ul  | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.36  | 70  | 13076   | 1.735   | ng/ul# | 1   |
| 20) Nitrobenzene               | 8.86  | 77  | 2257112 | 185.928 | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 9.55  | 139 | 34164   | 5.583   | ng/ul  | 96  |
| 32) Caprolactam                | 11.25 | 113 | 205252  | 64.533  | ng/ul# | 1   |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 576235  | 46.805  | ng/ul  | 99  |
| 52) 4-Nitrophenol              | 14.53 | 109 | 5458    | 1.635   | ng/ul# | 74  |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.08 | 216 | 1970568 | 151.805 | ng/uL  | 99  |
| 73) Pentachlorobenzene         | 14.61 | 250 | 19510   | 1.683   | ng/uL  | 96  |

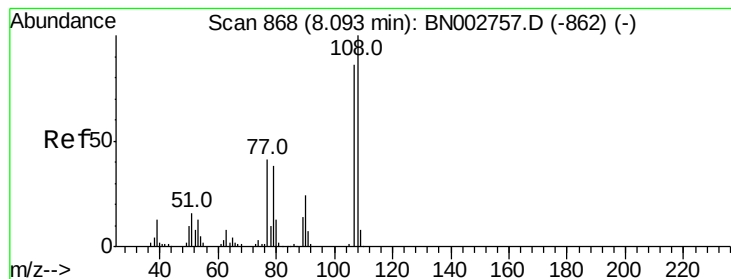
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#11

2-Methylphenol

Concen: 52.551 ng/ul

RT: 8.11 min Scan# 871

Delta R.T. 0.02 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Instrument :

BNA\_N

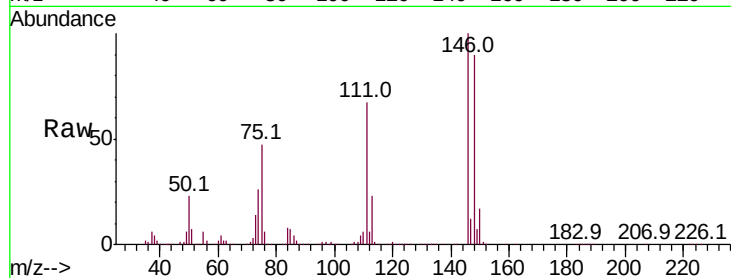
ClientSampled :

Tot Ion:108 Resp: 500007

Ion Ratio Lower Upper

108 100

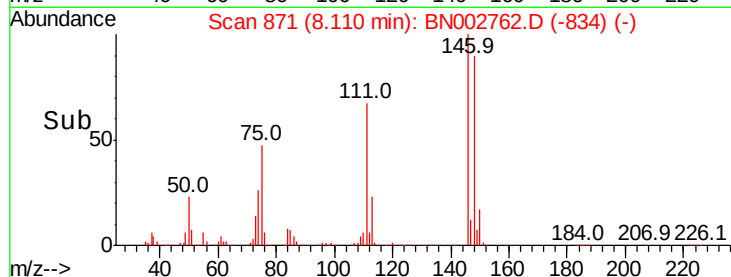
107 89.7 72.0 108.0



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.11

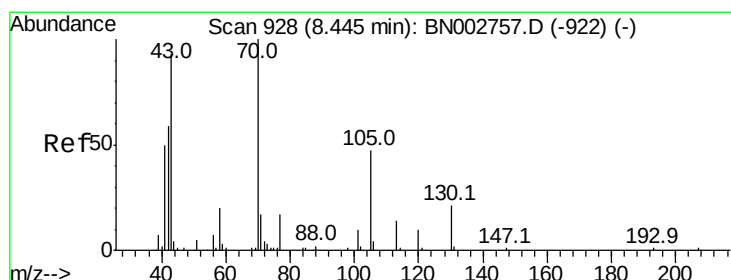


Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

8.11

Time-->



#15

N-Nitroso-di-n-propylamine

Concen: 1.735 ng/ul

RT: 8.36 min Scan# 914

Delta R.T. -0.08 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Tgt Ion: 70 Resp: 13076

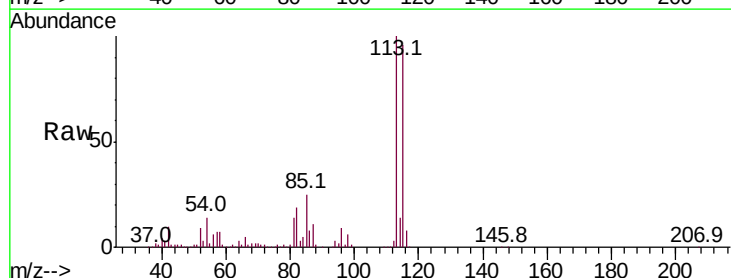
Ion Ratio Lower Upper

70 100

42 405.3 47.7 71.5#

101 0.0 8.0 12.0#

130 0.0 16.0 24.0#



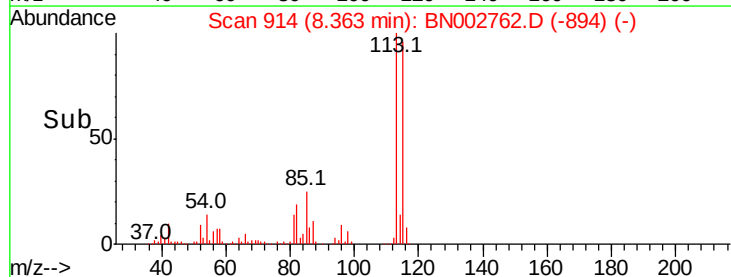
Abundance Ion 70.00 (69.70 to 70.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

8.36



Abundance Ion 70.00 (69.70 to 70.70): BNC

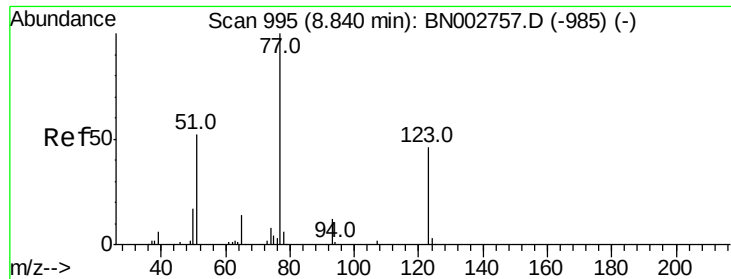
Ion 42.00 (41.70 to 42.70): BNC

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

8.36

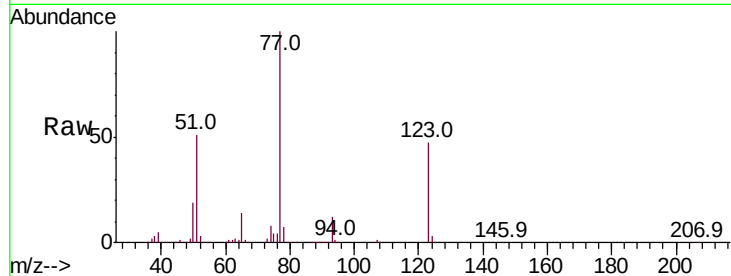
Time-->



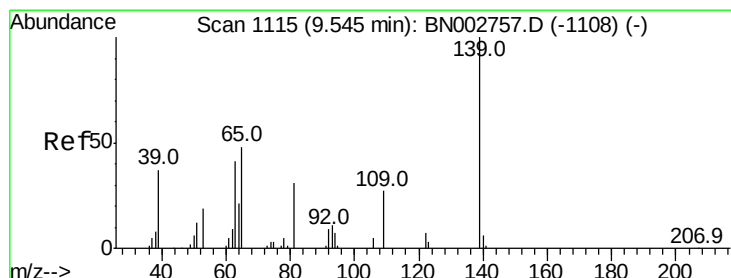
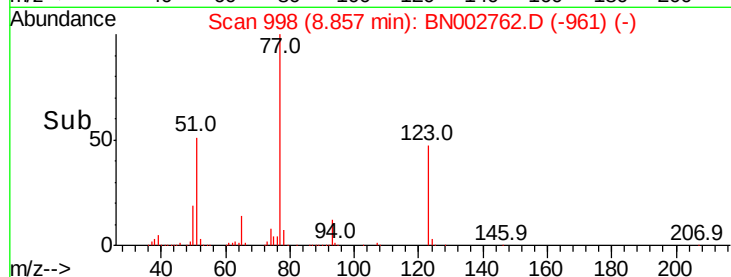
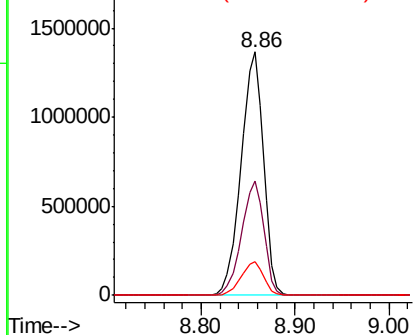
#20  
Nitrobenzene  
Concen: 185.928 ng/ul  
RT: 8.86 min Scan# 998  
Delta R.T. 0.02 min  
Lab File: BN002762.D  
Acq: 18 Sep 2018 20:55

Instrument :  
BNA\_N  
ClientSampleId :

Tot Ion: 77 Resp: 2257112  
Ion Ratio Lower Upper  
77 100  
123 46.8 35.8 53.8  
65 13.7 11.1 16.7

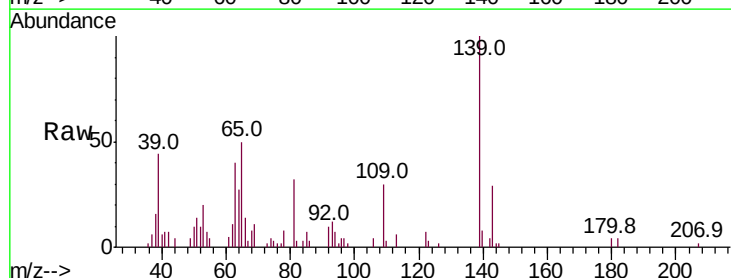


Abundance Ion 77.00 (76.70 to 77.70): BN0  
Ion 123.00 (122.70 to 123.70): E  
Ion 65.00 (64.70 to 65.70): BN0

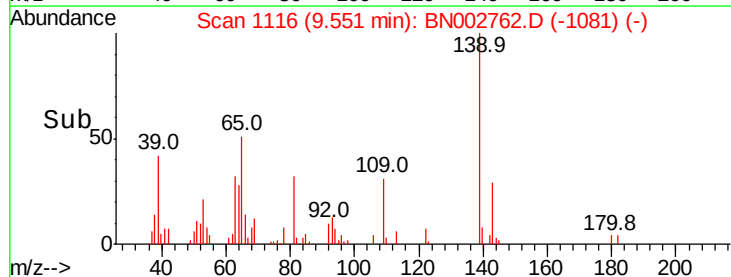
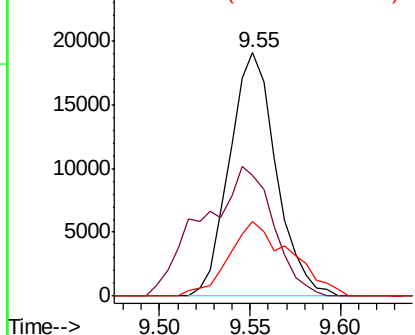


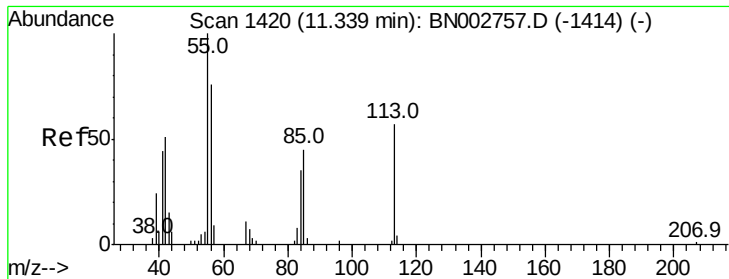
#23  
2-Nitrophenol  
Concen: 5.583 ng/ul  
RT: 9.55 min Scan# 1116  
Delta R.T. 0.01 min  
Lab File: BN002762.D  
Acq: 18 Sep 2018 20:55

Tgt Ion:139 Resp: 34164  
Ion Ratio Lower Upper  
139 100  
65 49.8 42.0 63.0  
109 30.5 22.0 33.0



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 65.00 (64.70 to 65.70): BN0  
Ion 109.00 (108.70 to 109.70): E





#32

Caprolactam

Concen: 64.533 ng/ul

RT: 11.25 min Scan# 1404

Delta R.T. -0.09 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Instrument :

BNA\_N

ClientSampleId :

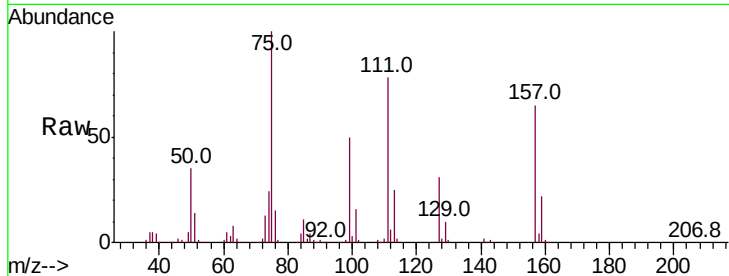
Tot Ion:113 Resp: 205252

Ion Ratio Lower Upper

113 100

55 0.8 137.0 205.4#

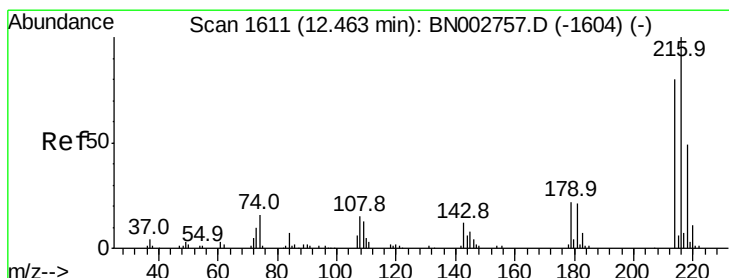
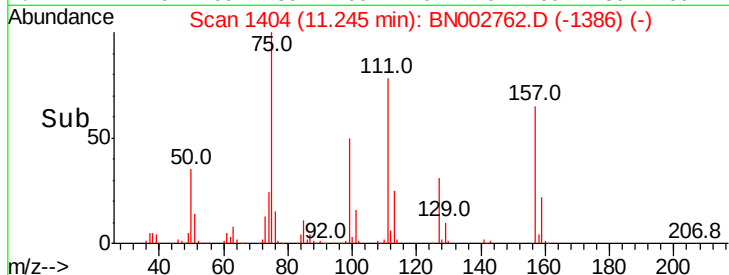
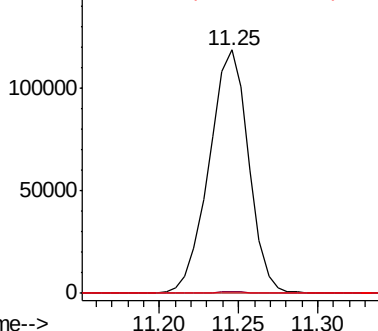
56 0.0 102.4 153.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BN0

Ion 56.00 (55.70 to 56.70): BN0



#36

1,2,4,5-Tetrachlorobenzene

Concen: 46.805 ng/ul

RT: 12.46 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Tgt Ion:216 Resp: 576235

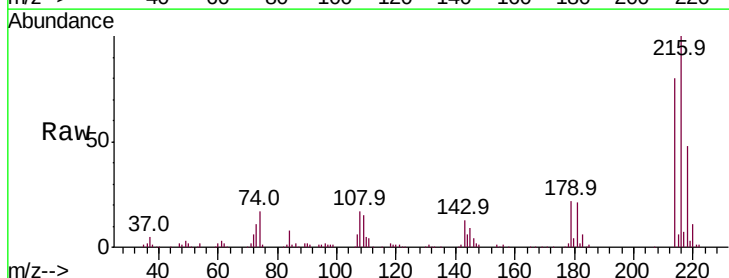
Ion Ratio Lower Upper

216 100

214 79.6 63.5 95.3

179 22.1 16.5 24.7

108 16.7 13.4 20.2

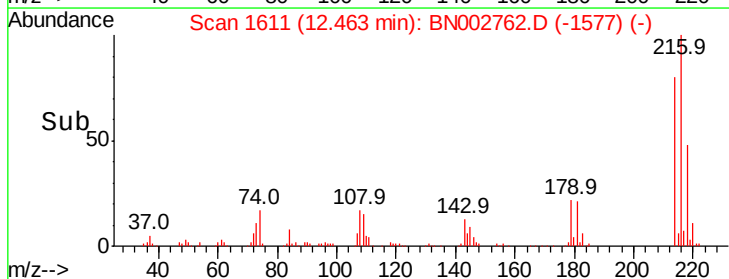
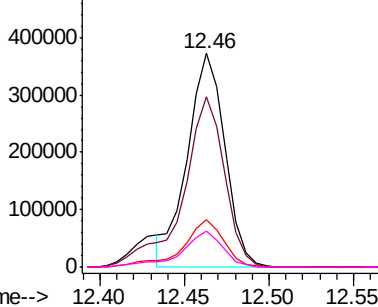


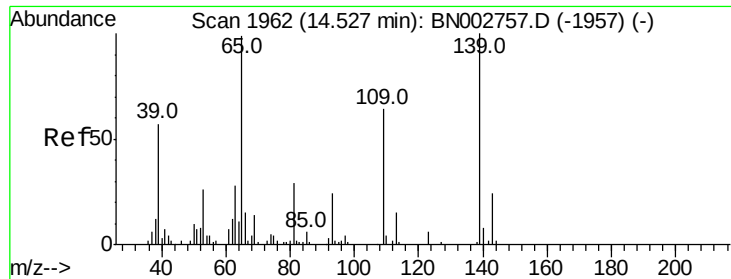
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#52

4-Nitrophenol

Concen: 1.635 ng/ul

RT: 14.53 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Instrument :

BNA\_N

ClientSampled :

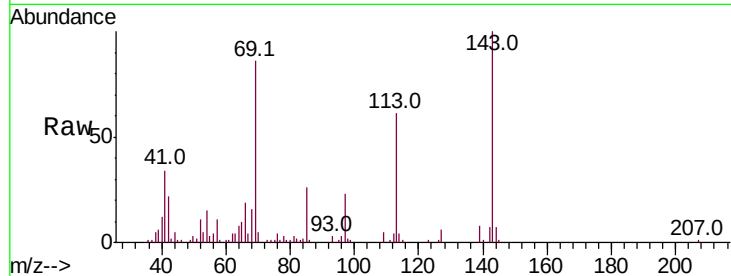
Tot Ion:109 Resp: 5458

Ion Ratio Lower Upper

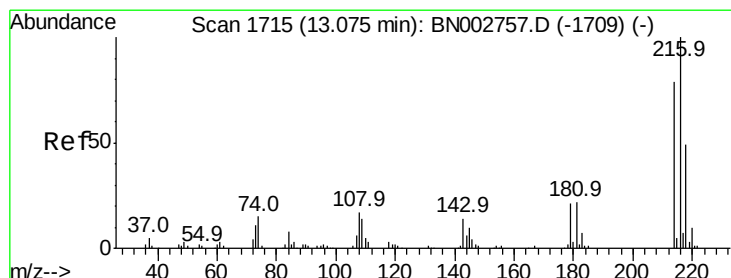
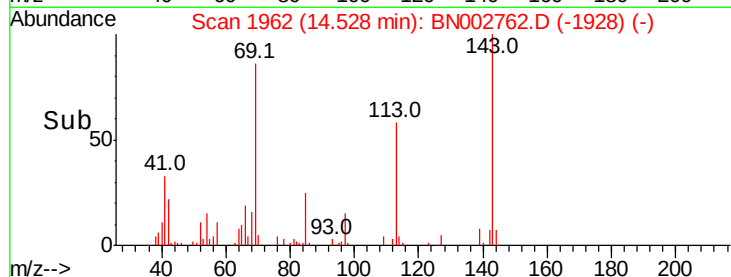
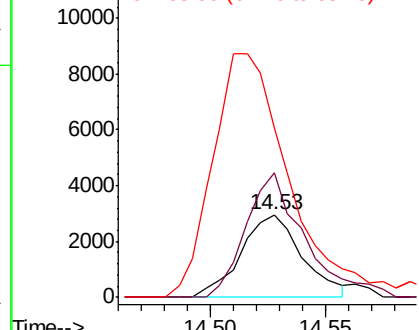
109 100

139 150.9 116.5 174.7

65 205.2 116.7 175.1#



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



#72

1,2,3,4-Tetrachlorobenzene

Concen: 151.805 ng/uL

RT: 13.08 min Scan# 1716

Delta R.T. 0.01 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

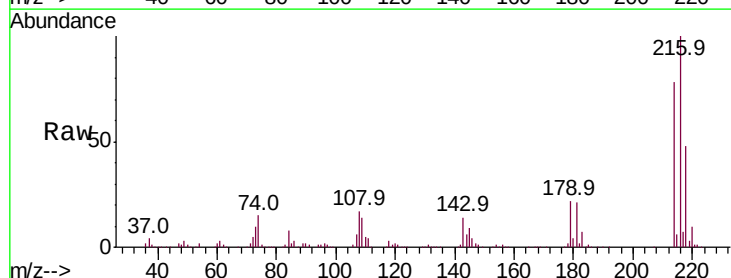
Tgt Ion:216 Resp: 1970568

Ion Ratio Lower Upper

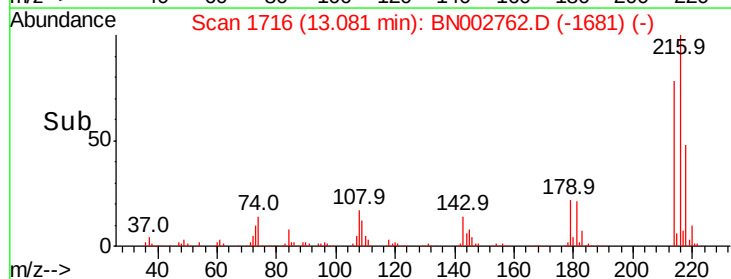
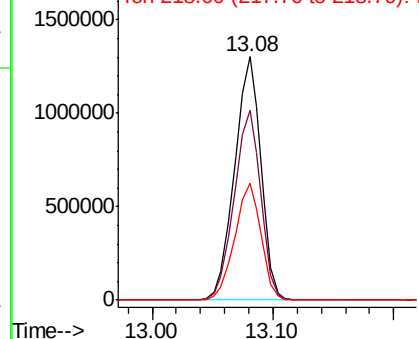
216 100

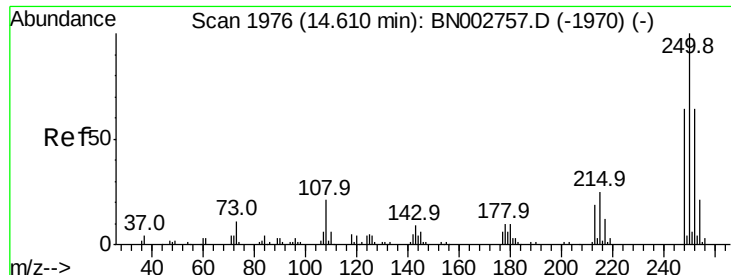
214 78.0 62.9 94.3

218 47.8 37.8 56.6



Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 218.00 (217.70 to 218.70): E





#73

Pentachlorobenzene

Concen: 1.683 ng/uL

RT: 14.61 min Scan# 1976

Delta R.T. 0.00 min

Lab File: BN002762.D

Acq: 18 Sep 2018 20:55

Instrument :

BNA\_N

ClientSampleId :

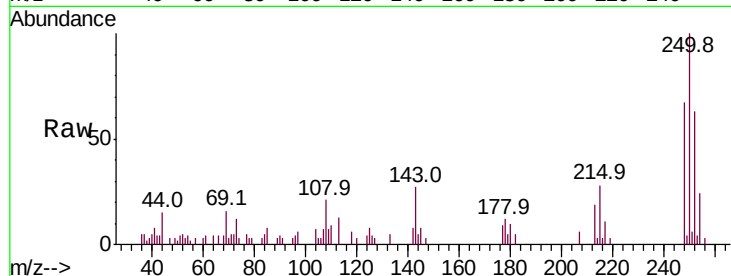
Tot Ion:250 Resp: 19510

Ion Ratio Lower Upper

250 100

248 66.7 49.1 73.7

252 62.8 51.0 76.4



Abundance Ion 250.00 (249.70 to 250.70): E

Ion 248.00 (247.70 to 248.70): E

Ion 252.00 (251.70 to 252.70): E

