

Data File : BN009915.D  
Acq On : 26 Feb 2020 00:07  
Operator : CG/JU  
Sample : L1568-10MS  
Misc :  
ALS Vial : 53 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DBDB2MS

Quant Time: Feb 26 07:58:14 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN021220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Feb 26 07:56:07 2020  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 88851    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.13 | 136  | 373212   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.02 | 164  | 232874   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.78 | 188  | 493764   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.00 | 240  | 475302   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.10 | 264  | 498805   | 20.00 | ng/ul | 0.00     |

System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 12347  | 5.72  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.59  | 99  | 249169 | 32.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.75  | 67  | 184644 | 35.40 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.93  | 132 | 203108 | 35.70 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.10  | 113 | 180980 | 30.10 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.53  | 128 | 97879  | 35.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.24  | 143 | 112773 | 37.75 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.77  | 165 | 200968 | 35.00 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.29 | 131 | 175311 | 27.17 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.45 | 166 | 641119 | 36.86 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.71 | 160 | 765284 | 37.36 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.27 | 143 | 97008  | 30.54 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.03 | 176 | 563009 | 37.49 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.19 | 200 | 87749  | 28.61 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.88 | 188 | 868089 | 38.35 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.19 | 212 | 945398 | 38.06 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 22.97 | 264 | 953087 | 38.26 | ng/ul | 0.00 |

Target Compounds

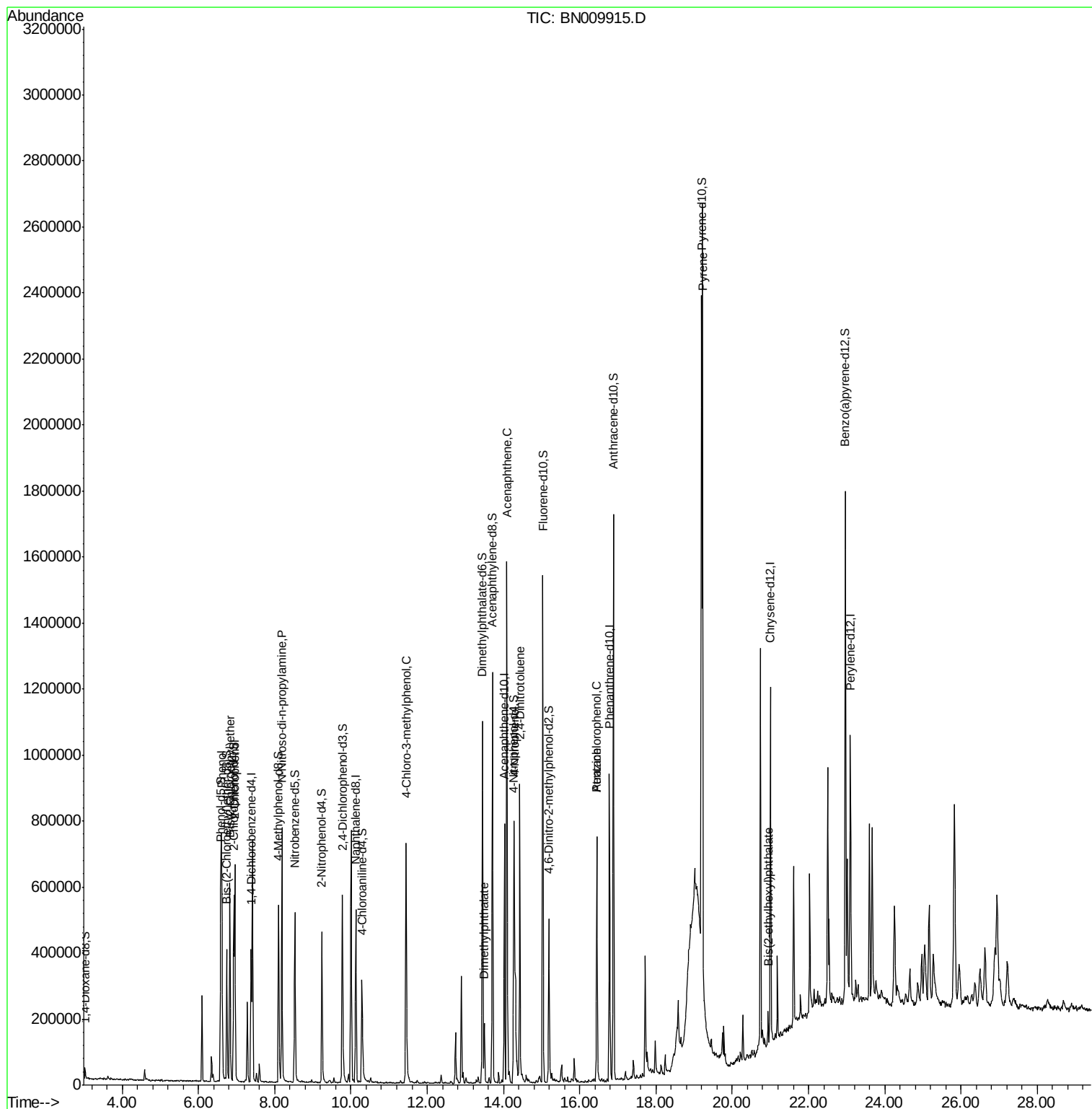
|                                |       |     |         |               | Qvalue |
|--------------------------------|-------|-----|---------|---------------|--------|
| 6) Phenol                      | 6.61  | 94  | 308965  | 38.150 ng/ul  | 97     |
| 8) Bis(2-Chloroethyl)ether     | 6.83  | 93  | 177772  | 27.928 ng/ul# | 12     |
| 10) 2-Chlorophenol             | 6.96  | 128 | 227228  | 37.914 ng/ul  | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.19  | 70  | 203443  | 39.746 ng/ul  | 99     |
| 33) 4-Chloro-3-methylphenol    | 11.45 | 107 | 261205  | 39.429 ng/ul  | 96     |
| 45) Dimethylphthalate          | 13.50 | 163 | 97909   | 5.394 ng/ul   | 97     |
| 50) Acenaphthene               | 14.09 | 153 | 569579  | 37.471 ng/ul  | 96     |
| 53) 4-Nitrophenol              | 14.28 | 109 | 118647  | 41.390 ng/ul  | 91     |
| 55) 2,4-Dinitrotoluene         | 14.43 | 165 | 200093  | 37.997 ng/ul# | 82     |
| 68) Atrazine                   | 16.44 | 200 | 17433   | 3.137 ng/ul#  | 33     |
| 69) Pentachlorophenol          | 16.44 | 266 | 115782  | 36.647 ng/ul  | 94     |
| 80) Pyrene                     | 19.22 | 202 | 1305509 | 38.098 ng/ul  | 98     |
| 84) Bis(2-ethylhexyl)phthalate | 20.94 | 149 | 25244   | 1.174 ng/ul   | 97     |

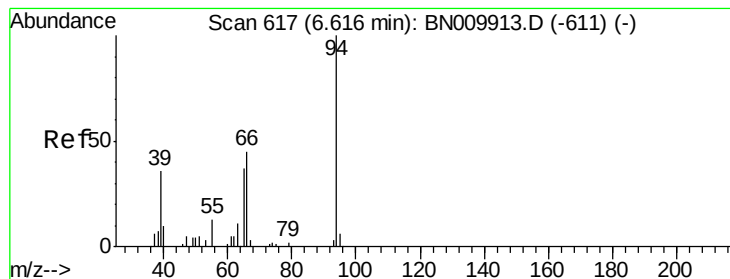
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
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Response via : Initial Calibration





#6

Phenol

Concen: 38.150 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. -0.01 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Instrument :

BNA\_N

ClientSampleId :

DBDB2MS

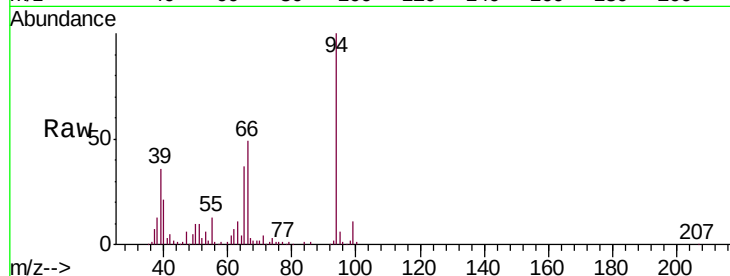
Tgt Ion: 94 Resp: 308965

Ion Ratio Lower Upper

94 100

65 37.5 27.6 41.4

66 49.3 38.5 57.7



Abundance Ion 94.00 (93.70 to 94.70): BN009915.D (-583) (-)

Ion 65.00 (64.70 to 65.70): BN009915.D (-583) (-)

Ion 66.00 (65.70 to 66.70): BN009915.D (-583) (-)

250000

200000

150000

100000

50000

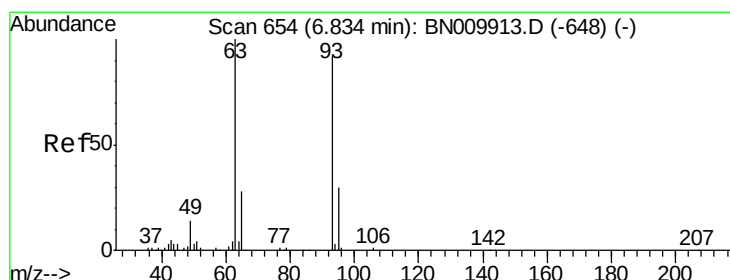
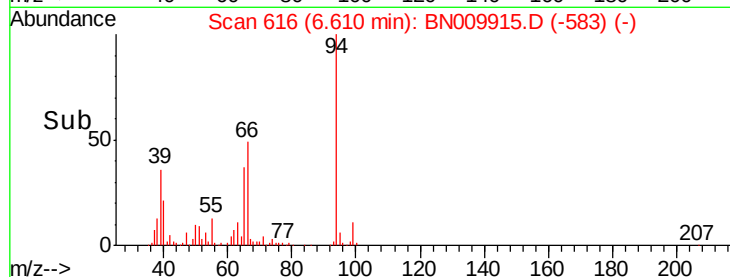
0

6.61

6.65

6.70

Time-->



#8

Bis(2-Chloroethyl)ether

Concen: 27.928 ng/ul

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

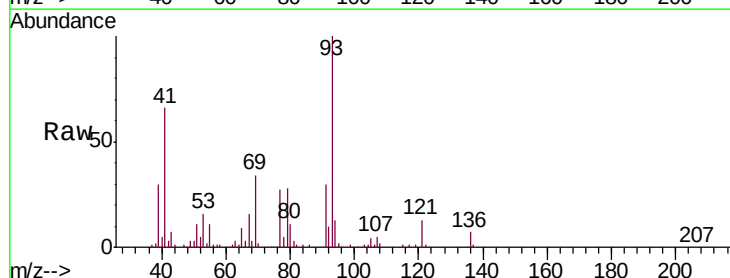
Tgt Ion: 93 Resp: 177772

Ion Ratio Lower Upper

93 100

63 3.2 82.7 124.1#

95 2.3 26.6 40.0#



Abundance Ion 93.00 (92.70 to 93.70): BN009915.D (-620) (-)

Ion 63.00 (62.70 to 63.70): BN009915.D (-620) (-)

Ion 95.00 (94.70 to 95.70): BN009915.D (-620) (-)

150000

100000

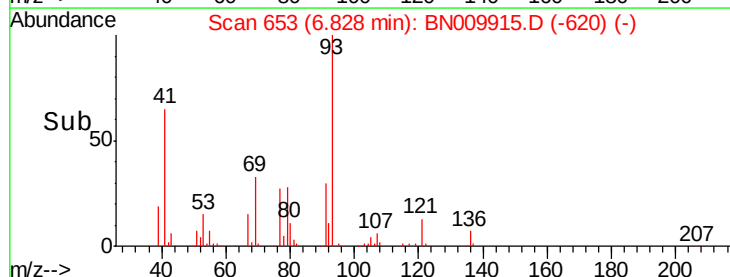
50000

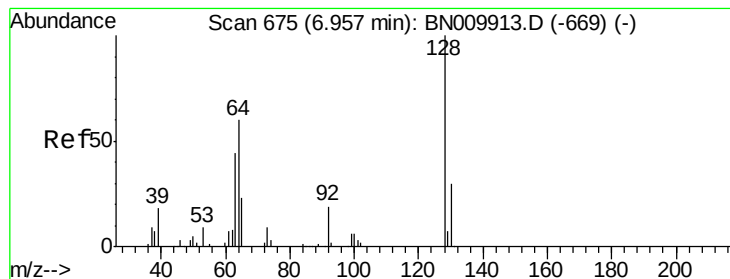
0

6.83

6.85

Time-->





#10

2-Chlorophenol

Concen: 37.914 ng/ul

RT: 6.96 min Scan# 675

Delta R.T. -0.00 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Instrument :

BNA\_N

ClientSampleId :

DBDB2MS

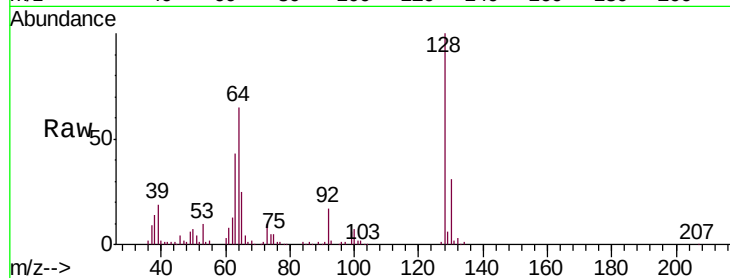
Tgt Ion:128 Resp: 227228

Ion Ratio Lower Upper

128 100

64 64.8 52.5 78.7

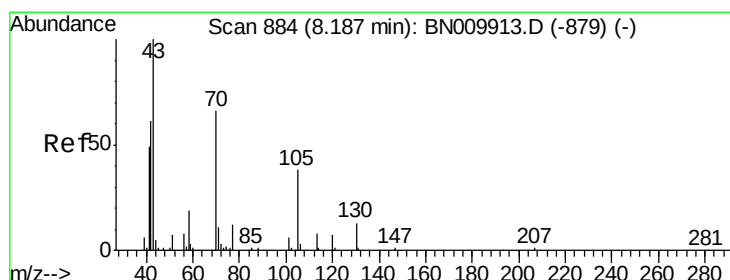
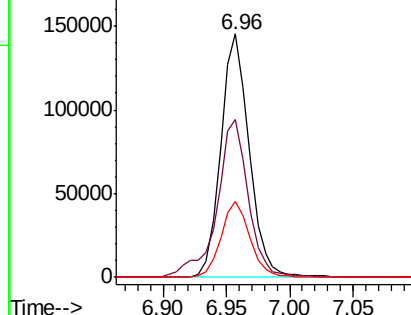
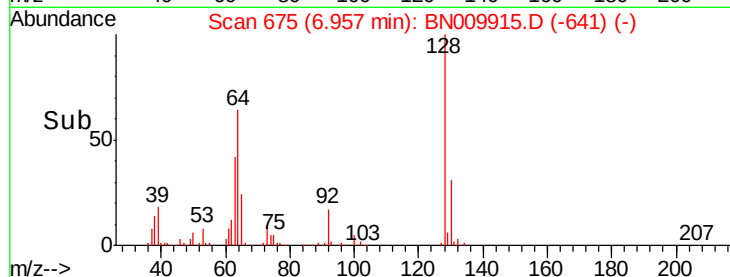
130 31.0 24.4 36.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 39.746 ng/ul

RT: 8.19 min Scan# 884

Delta R.T. -0.00 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Tgt Ion: 70 Resp: 203443

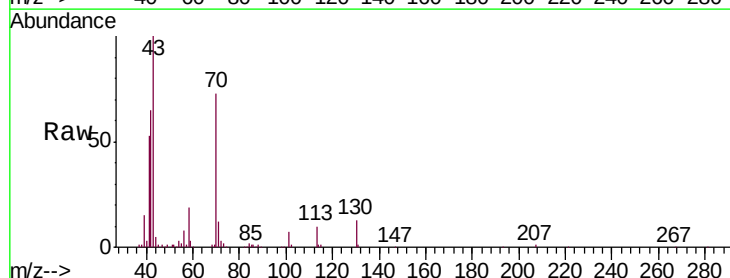
Ion Ratio Lower Upper

70 100

42 89.8 72.6 108.8

101 9.5 7.7 11.5

130 17.9 14.7 22.1

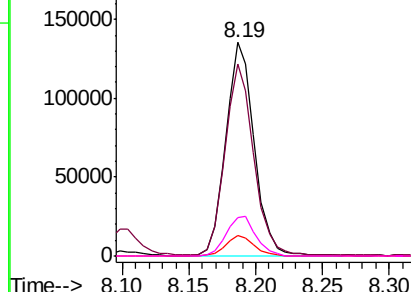
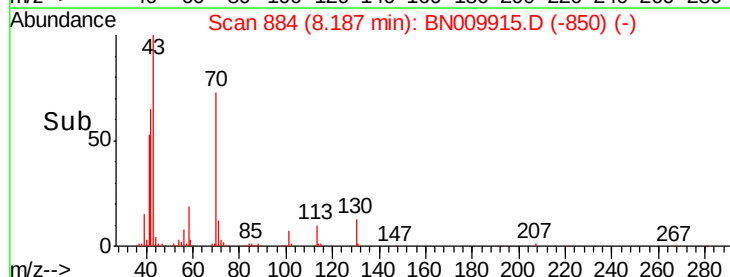


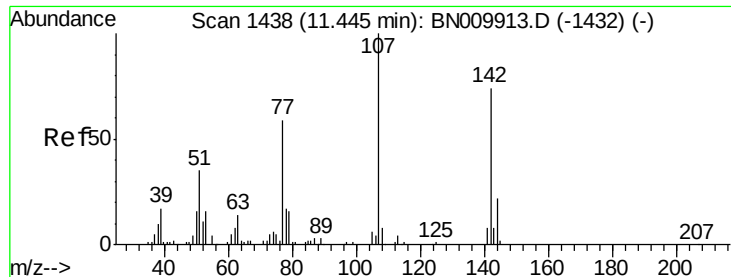
Abundance Ion 70.00 (69.70 to 70.70): BNC

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

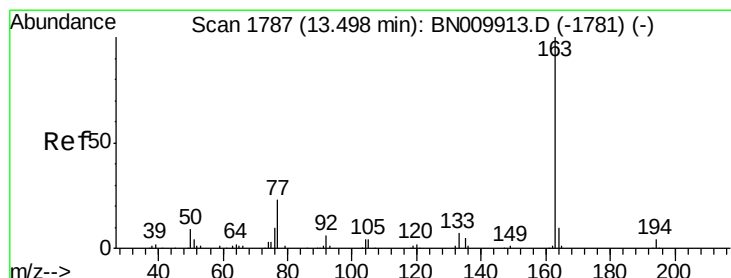
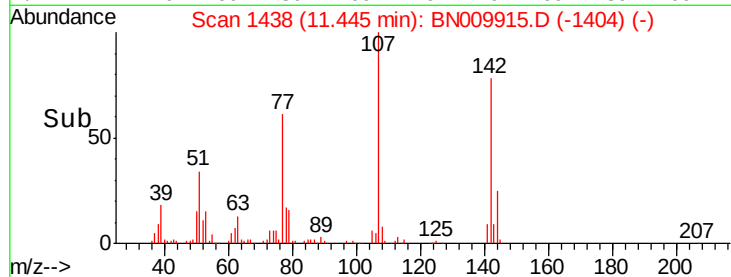
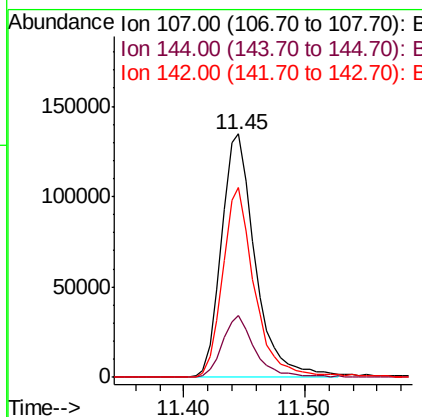
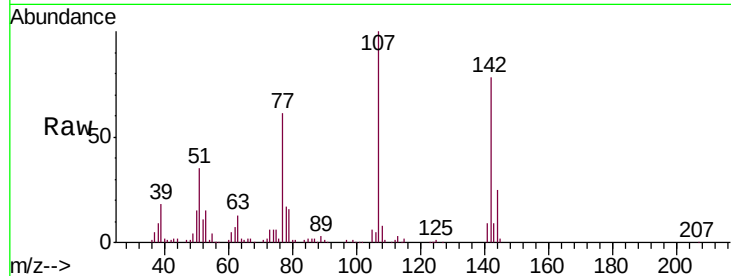




#33  
 4-Chloro-3-methylphenol  
 Concen: 39.429 ng/ul  
 RT: 11.45 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BN009915.D  
 Acq: 26 Feb 2020 00:07

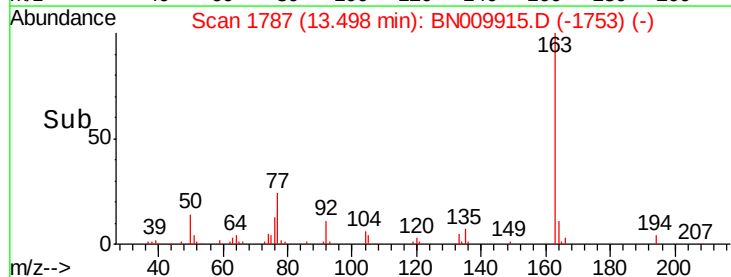
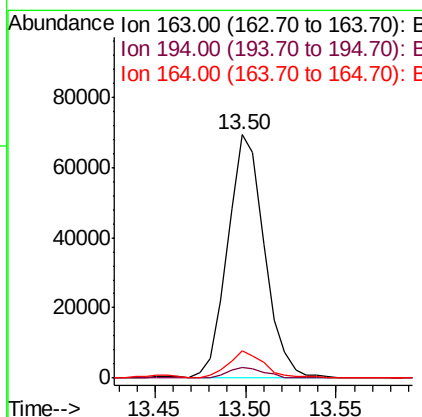
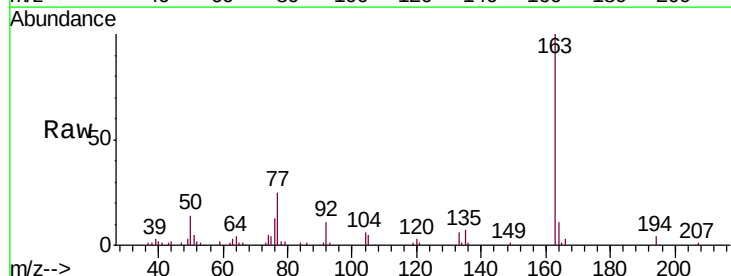
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBDB2MS

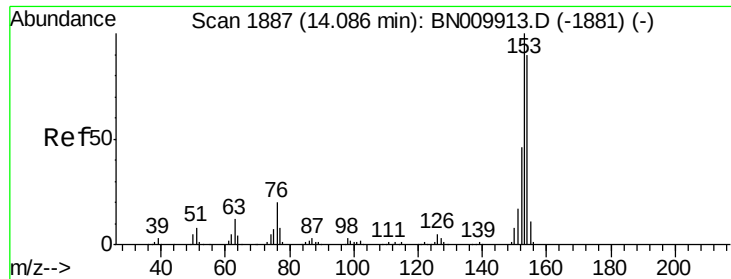
Tgt Ion:107 Resp: 261205  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 19.3 28.9  
 142 77.9 59.5 89.3



#45  
 Dimethylphthalate  
 Concen: 5.394 ng/ul  
 RT: 13.50 min Scan# 1787  
 Delta R.T. -0.00 min  
 Lab File: BN009915.D  
 Acq: 26 Feb 2020 00:07

Tgt Ion:163 Resp: 97909  
 Ion Ratio Lower Upper  
 163 100  
 194 4.5 3.4 5.0  
 164 11.4 8.0 12.0





#50

Acenaphthene

Concen: 37.471 ng/ul

RT: 14.09 min Scan# 1887

Delta R.T. -0.00 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Instrument :

BNA\_N

ClientSampleId :

DBDB2MS

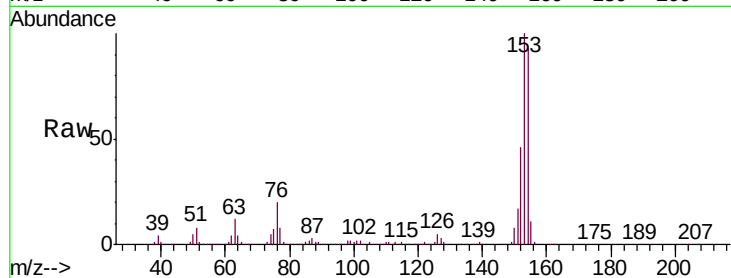
Tgt Ion:153 Resp: 569579

Ion Ratio Lower Upper

153 100

152 46.3 36.6 54.8

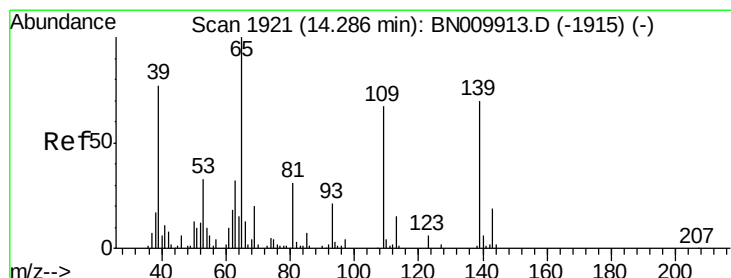
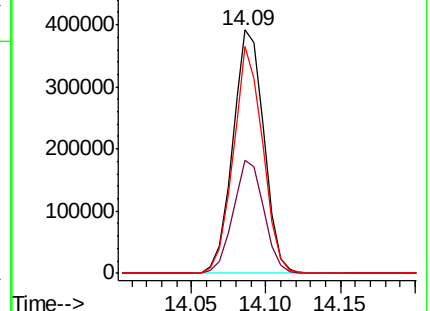
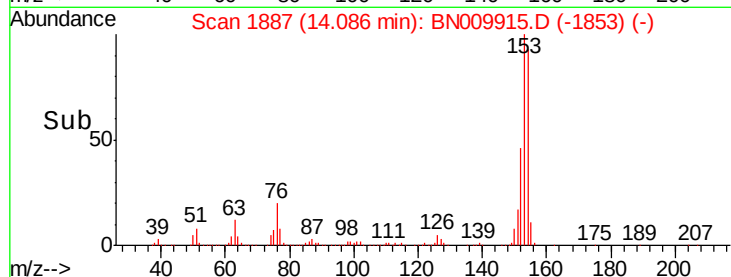
154 93.1 70.6 106.0



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



#53

4-Nitrophenol

Concen: 41.390 ng/ul

RT: 14.28 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

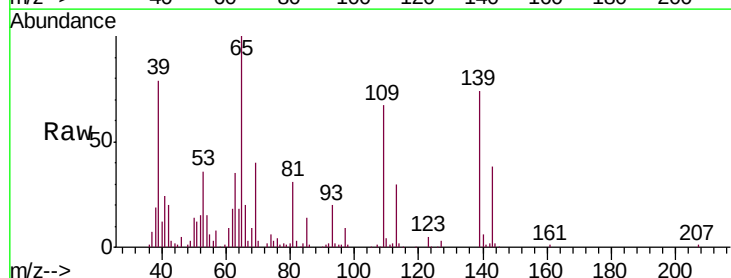
Tgt Ion:109 Resp: 118647

Ion Ratio Lower Upper

109 100

139 110.7 96.3 144.5

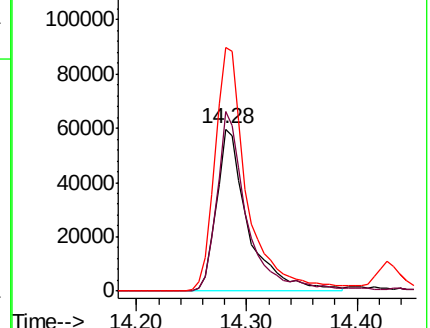
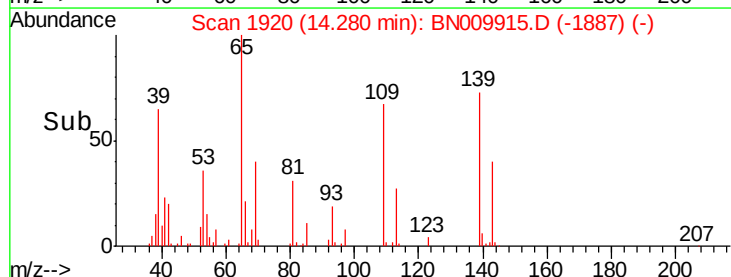
65 150.1 129.9 194.9

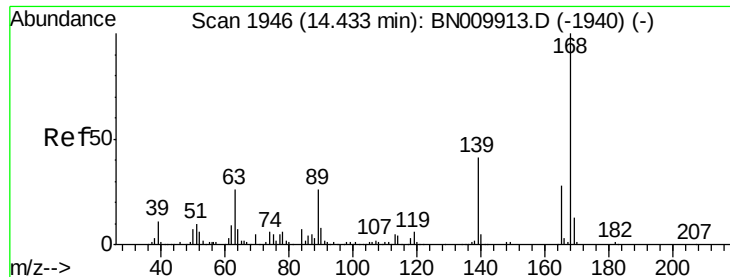


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNO

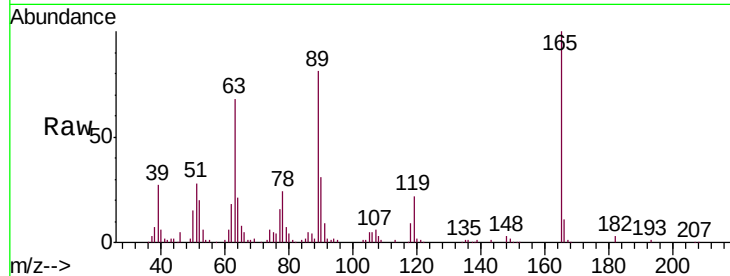




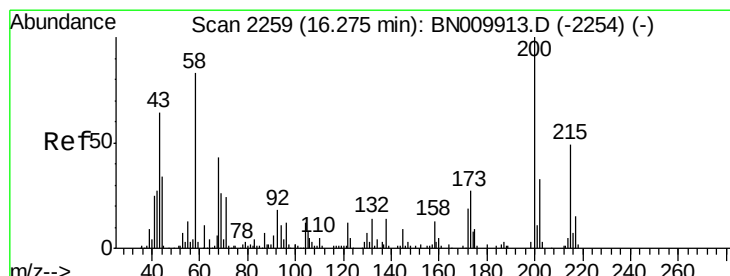
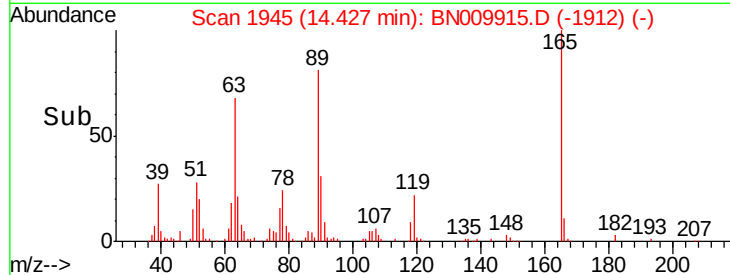
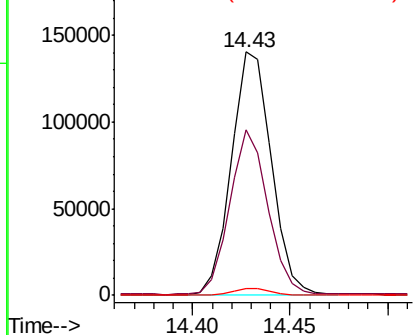
#55  
2,4-Dinitrotoluene  
Concen: 37.997 ng/ul  
RT: 14.43 min Scan# 1945  
Delta R.T. -0.01 min  
Lab File: BN009915.D  
Acq: 26 Feb 2020 00:07

Instrument :  
BNA\_N  
ClientSampleId :  
DBDB2MS

Tgt Ion:165 Resp: 200093  
Ion Ratio Lower Upper  
165 100  
63 67.9 68.3 102.5#  
182 2.8 2.2 3.4

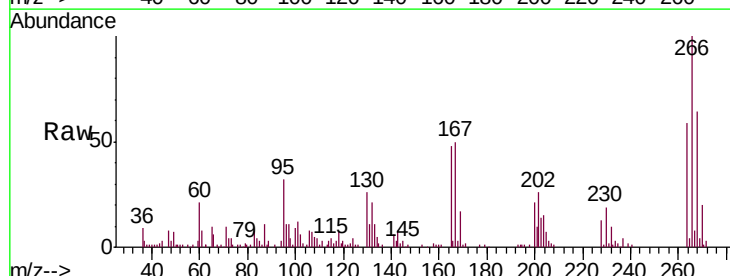


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BNO  
Ion 182.00 (181.70 to 182.70): E

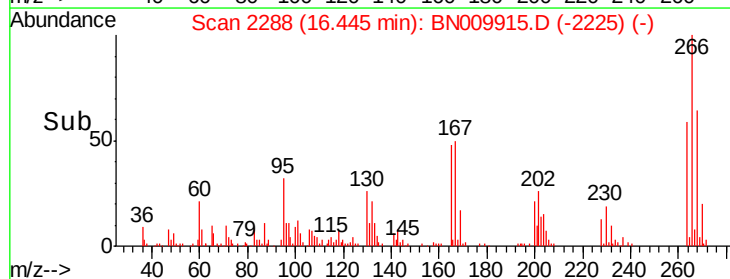
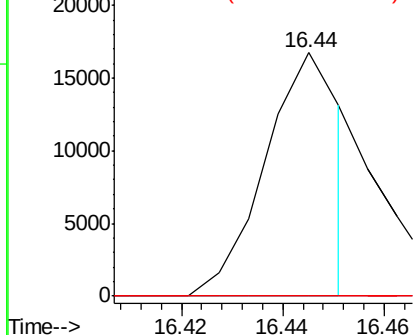


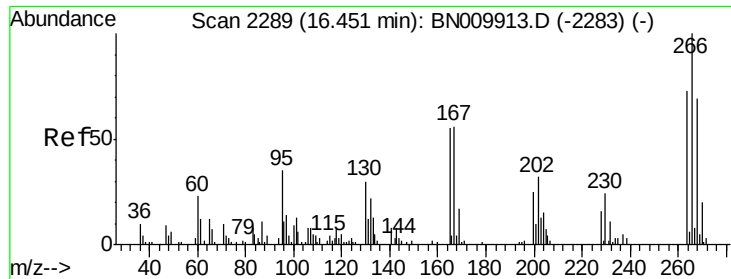
#68  
Atrazine  
Concen: 3.137 ng/ul  
RT: 16.44 min Scan# 2288  
Delta R.T. 0.17 min  
Lab File: BN009915.D  
Acq: 26 Feb 2020 00:07

Tgt Ion:200 Resp: 17433  
Ion Ratio Lower Upper  
200 100  
173 0.0 22.1 33.1#  
215 0.0 41.6 62.4#



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 36.647 ng/ul

RT: 16.44 min Scan# 2288

Delta R.T. -0.01 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Instrument :

BNA\_N

ClientSampleId :

DBDB2MS

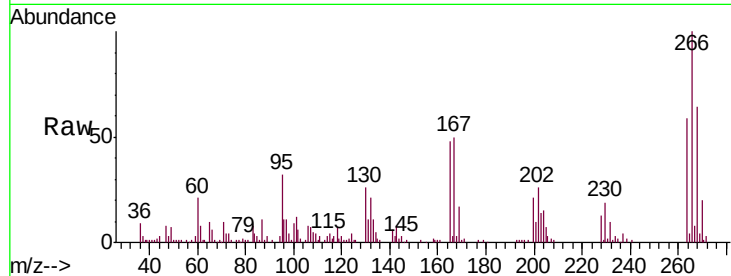
Tgt Ion:266 Resp: 115782

Ion Ratio Lower Upper

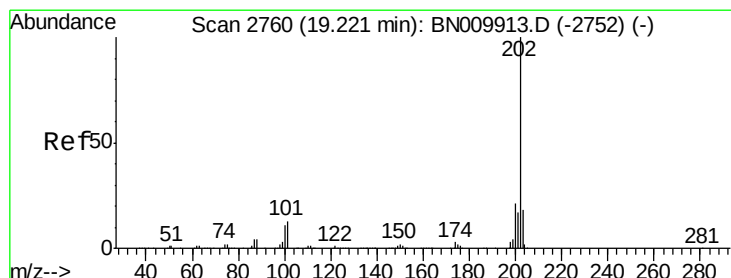
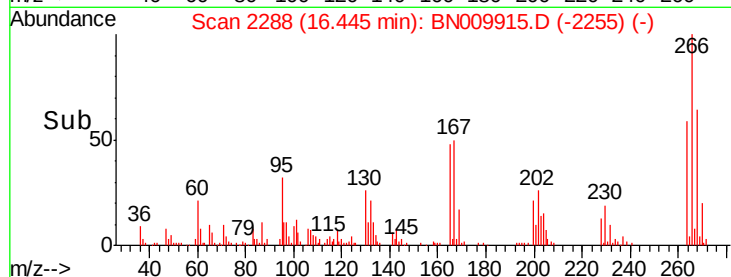
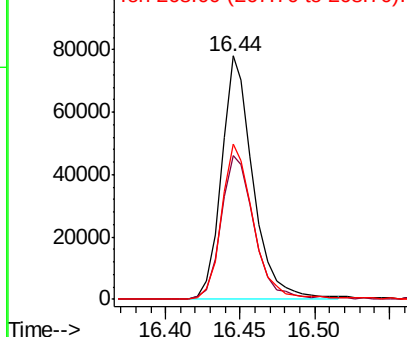
266 100

264 59.0 52.9 79.3

268 63.6 52.5 78.7



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: 38.098 ng/ul

RT: 19.22 min Scan# 2760

Delta R.T. -0.00 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

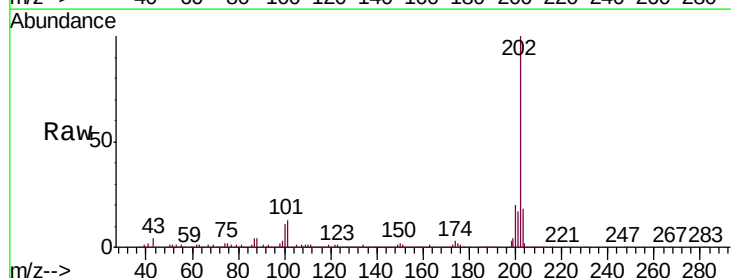
Tgt Ion:202 Resp: 1305509

Ion Ratio Lower Upper

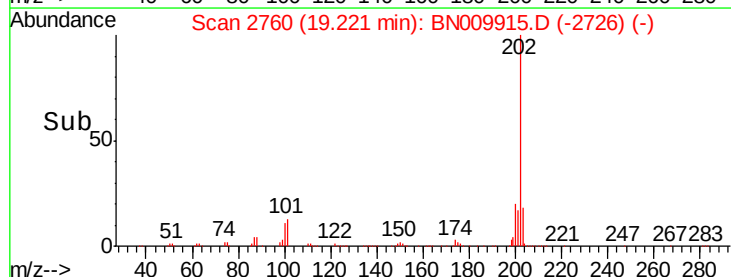
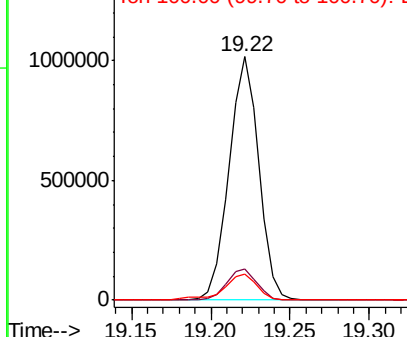
202 100

101 12.7 11.3 16.9

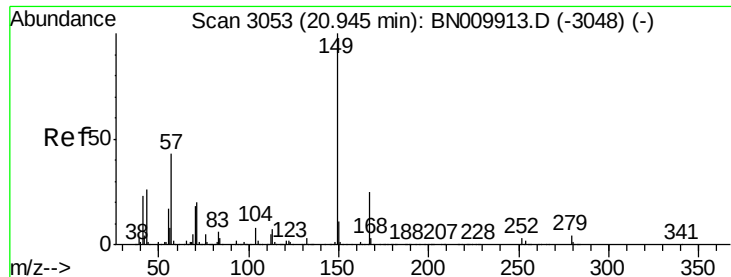
100 10.8 9.0 13.6



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







#84

Bis(2-ethylhexyl)phthalate

Concen: 1.174 ng/ul

RT: 20.94 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN009915.D

Acq: 26 Feb 2020 00:07

Instrument :

BNA\_N

ClientSampleId :

DBDB2MS

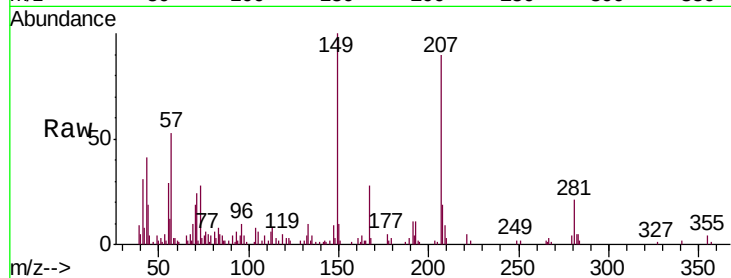
Tgt Ion:149 Resp: 25244

Ion Ratio Lower Upper

149 100

167 28.0 21.0 31.6

279 3.8 3.0 4.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

