

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071618\  
 Data File : BN002062.D  
 Acq On : 16 Jul 2018 23:26  
 Operator : JU/SJ  
 Sample : J3986-09MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :

Quant Time: Jul 17 00:52:07 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 17 00:49:33 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 310125   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.47 | 136  | 1447466  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 908210   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2101044  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.28 | 240  | 2228620  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.52 | 264  | 2109148  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 46131   | 6.71  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 285906  | 9.79  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 497336  | 27.95 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.24  | 132 | 567475  | 24.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.41  | 113 | 440885  | 18.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 343307  | 28.63 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 385183  | 28.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 638736  | 26.02 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 1563    | 0.06  | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 2291332 | 29.76 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 2451856 | 25.60 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 139818  | 9.51  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 1951502 | 29.48 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 378814  | 27.68 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.18 | 188 | 2811666 | 27.45 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.49 | 212 | 3167459 | 27.34 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.38 | 264 | 2925991 | 25.69 | ng/ul | 0.00 |

## Target Compounds

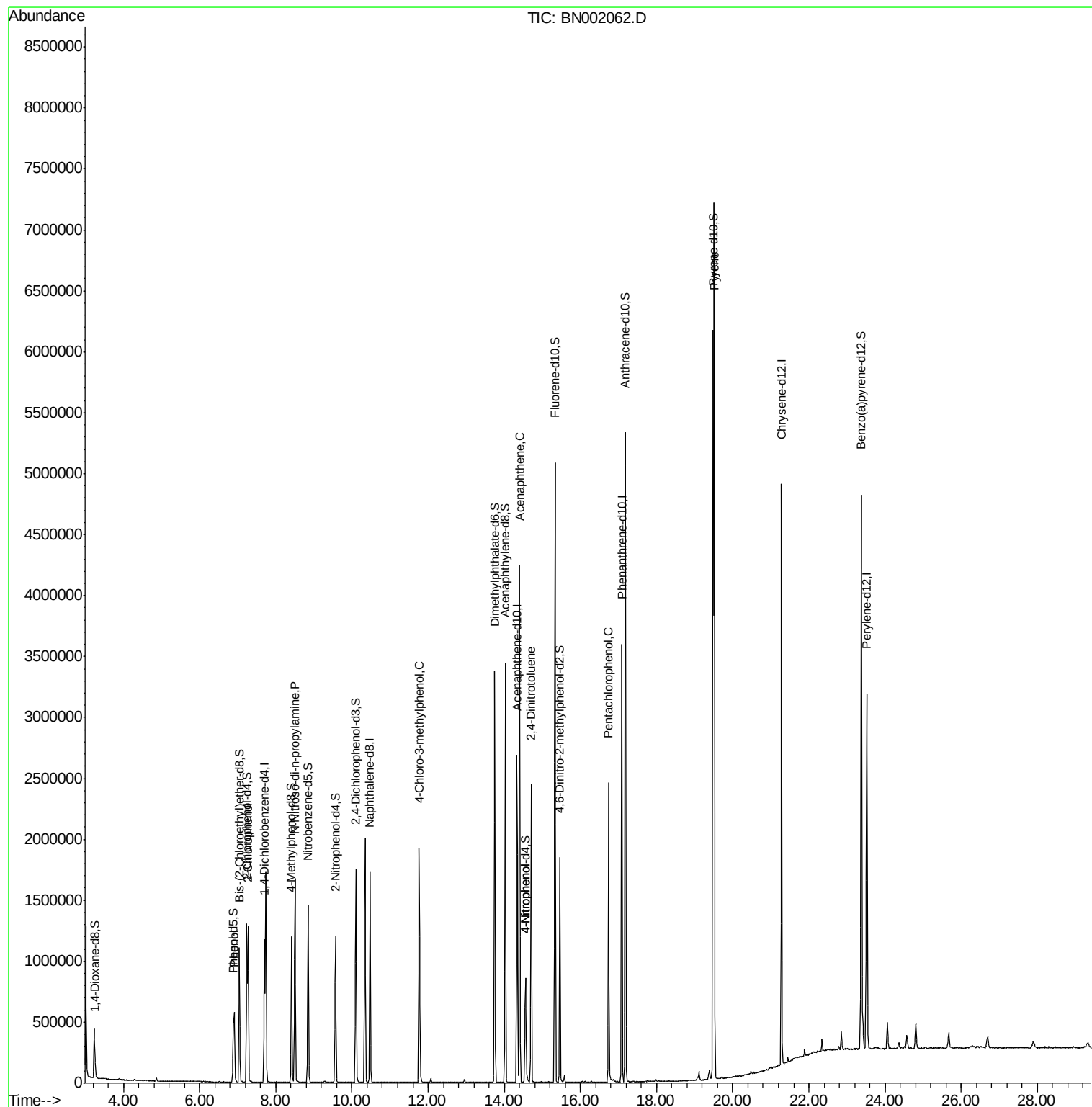
|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 6) Phenol                      | 6.91  | 94  | 296337  | 10.104 | ng/ul  | 93  |
| 10) 2-Chlorophenol             | 7.27  | 128 | 549263  | 23.872 | ng/ul# | 91  |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 601950  | 30.767 | ng/ul# | 87  |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 695823  | 26.254 | ng/ul  | 100 |
| 49) Acenaphthene               | 14.40 | 153 | 1760111 | 27.736 | ng/ul  | 98  |
| 52) 4-Nitrophenol              | 14.56 | 109 | 113026  | 10.995 | ng/ul# | 82  |
| 54) 2,4-Dinitrotoluene         | 14.71 | 165 | 689332  | 29.821 | ng/ul  | 93  |
| 68) Pentachlorophenol          | 16.74 | 266 | 424596  | 29.176 | ng/ul  | 98  |
| 79) Pvrene                     | 19.52 | 202 | 4178222 | 29.217 | ng/ul  | 100 |

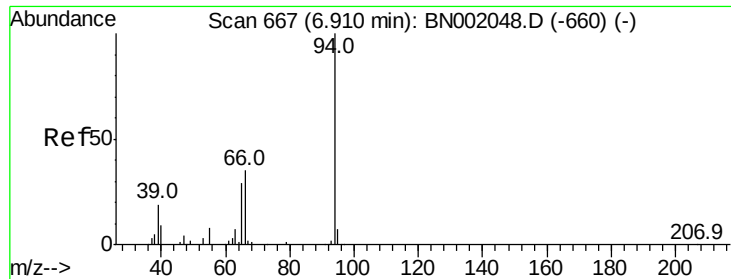
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN071618\  
Data File : BN002062.D  
Acq On : 16 Jul 2018 23:26  
Operator : JU/SJ  
Sample : J3986-09MSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :

Quant Time: Jul 17 00:52:07 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Jul 17 00:49:33 2018  
Response via : Initial Calibration





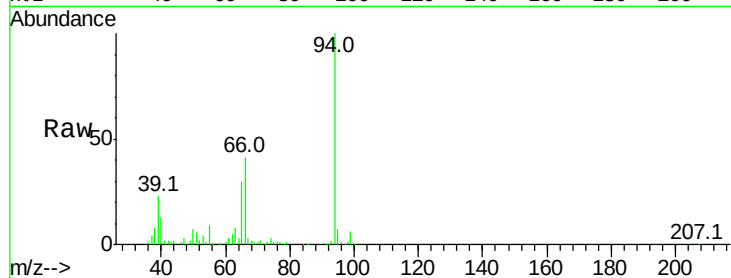
#6

Phenol

Concen: 10.104 ng/ul  
 RT: 6.91 min Scan# 667  
 Delta R.T. -0.00 min  
 Lab File: BN002062.D  
 Acq: 16 Jul 2018 23:26

Instrument :  
 BNA\_N  
 ClientSampled :

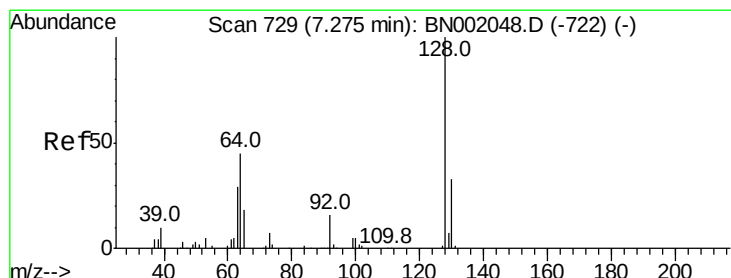
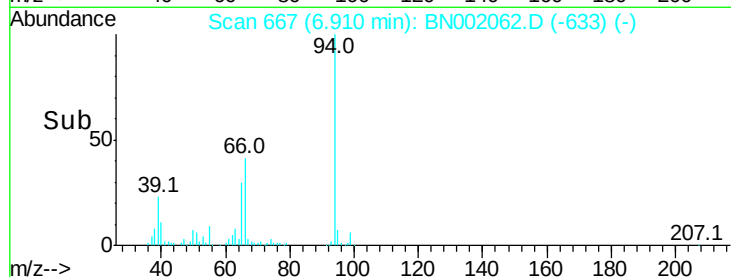
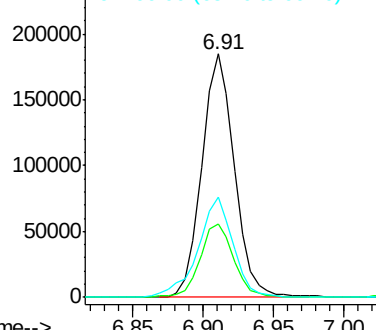
| Tot Ion | 94    | Resp  | 296337 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 94      | 100   |       |        |
| 65      | 29.9  | 21.0  | 31.6   |
| 66      | 40.9  | 29.3  | 43.9   |



Abundance Ion 94.00 (93.70 to 94.70): BN002048.D (-660) (-)

Ion 65.00 (64.70 to 65.70): BN002048.D (-660) (-)

Ion 66.00 (65.70 to 66.70): BN002048.D (-660) (-)

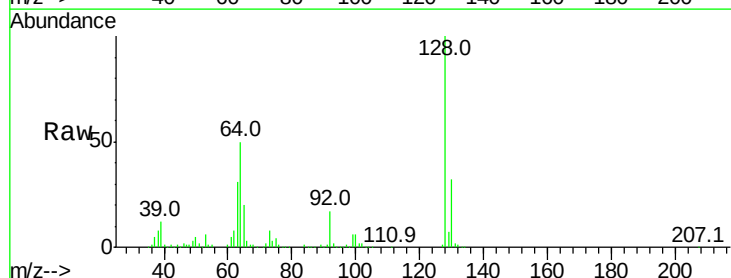


#10

2-Chlorophenol

Concen: 23.872 ng/ul  
 RT: 7.27 min Scan# 729  
 Delta R.T. -0.00 min  
 Lab File: BN002062.D  
 Acq: 16 Jul 2018 23:26

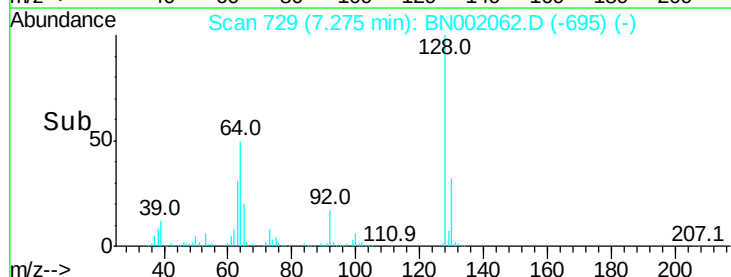
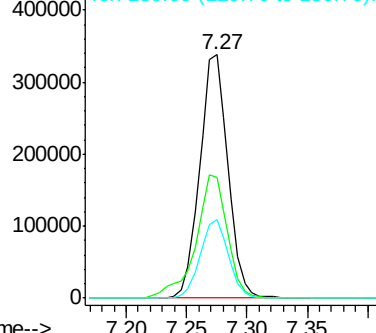
| Tgt Ion | 128   | Resp  | 549263 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 128     | 100   |       |        |
| 64      | 49.6  | 31.9  | 47.9#  |
| 130     | 32.4  | 25.6  | 38.4   |

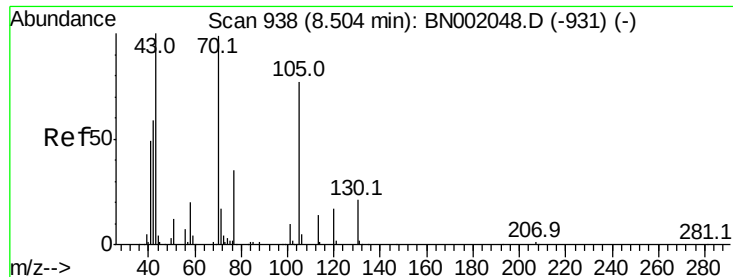


Abundance Ion 128.00 (127.70 to 128.70): BN002048.D (-722) (-)

Ion 64.00 (63.70 to 64.70): BN002048.D (-722) (-)

Ion 130.00 (129.70 to 130.70): BN002048.D (-722) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 30.767 ng/ul

RT: 8.50 min Scan# 938

Delta R.T. -0.00 min

Lab File: BN002062.D

Acq: 16 Jul 2018 23:26

Instrument :

BNA\_N

ClientSampleId :

Tot Ion: 70 Resp: 601950

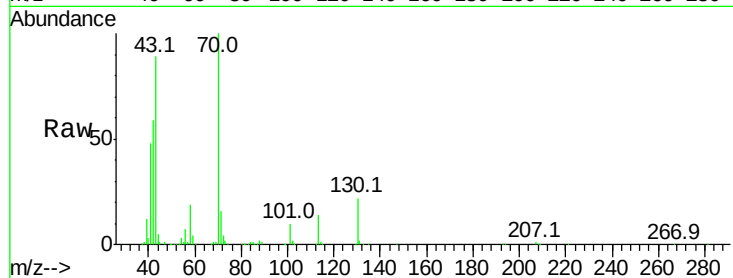
Ion Ratio Lower Upper

70 100

42 58.5 35.4 53.0#

101 10.3 8.4 12.6

130 22.4 18.2 27.4

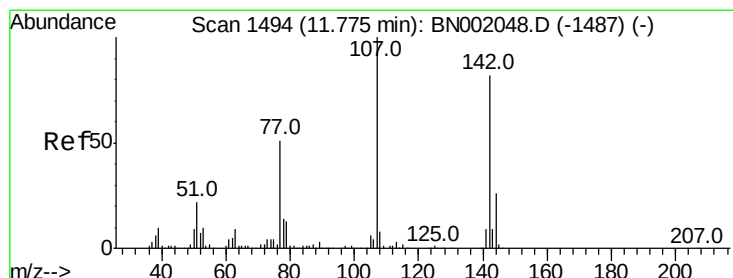
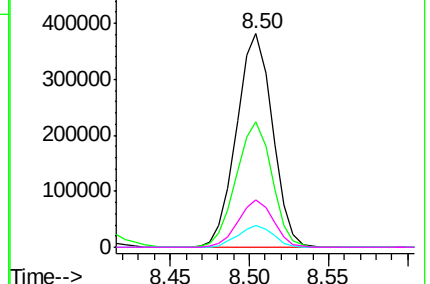
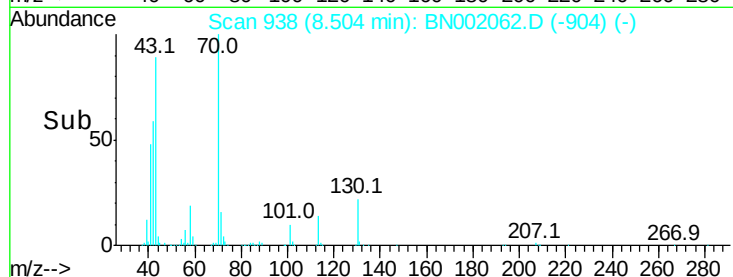


Abundance Ion 70.00 (69.70 to 70.70): BN002048.D (-931) (-)

Ion 42.00 (41.70 to 42.70): BN002048.D (-931) (-)

Ion 101.00 (100.70 to 101.70): BN002048.D (-931) (-)

Ion 130.00 (129.70 to 130.70): BN002048.D (-931) (-)



#33

4-Chloro-3-methylphenol

Concen: 26.254 ng/ul

RT: 11.77 min Scan# 1493

Delta R.T. -0.01 min

Lab File: BN002062.D

Acq: 16 Jul 2018 23:26

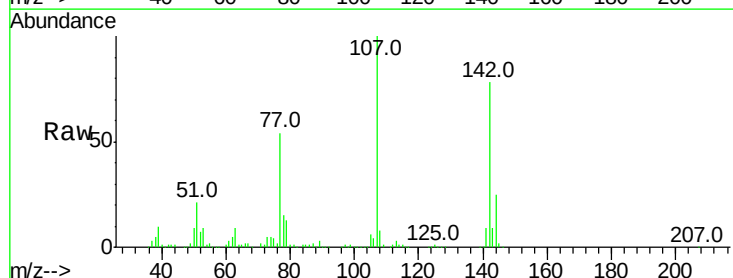
Tgt Ion: 107 Resp: 695823

Ion Ratio Lower Upper

107 100

144 24.8 20.4 30.6

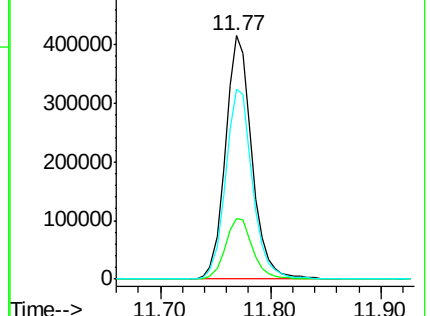
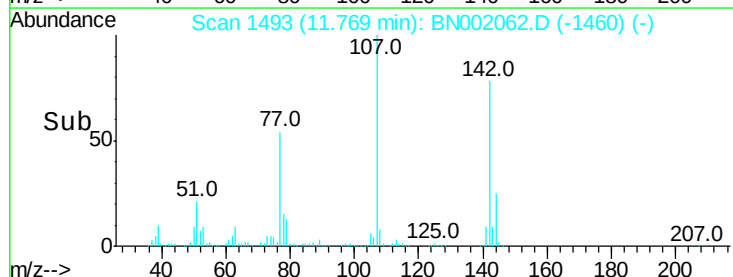
142 78.0 62.5 93.7

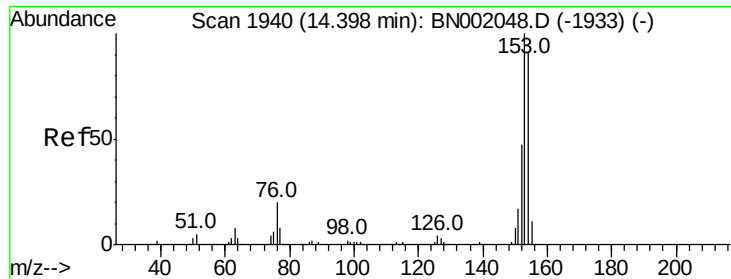


Abundance Ion 107.00 (106.70 to 107.70): BN002048.D (-1487) (-)

Ion 144.00 (143.70 to 144.70): BN002048.D (-1487) (-)

Ion 142.00 (141.70 to 142.70): BN002048.D (-1487) (-)





#49

Acenaphthene

Concen: 27.736 ng/ul

RT: 14.40 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BN002062.D

Acq: 16 Jul 2018 23:26

Instrument :

BNA\_N

ClientSampleId :

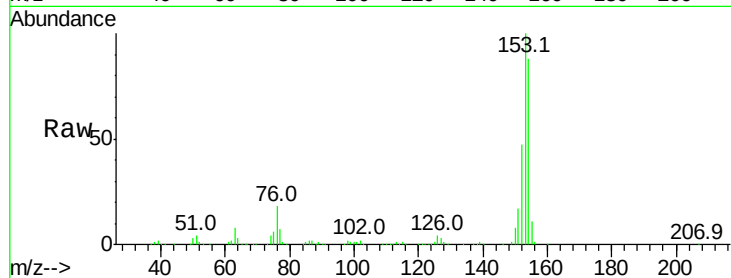
Tot Ion:153 Resp: 1760111

Ion Ratio Lower Upper

153 100

152 46.9 38.3 57.5

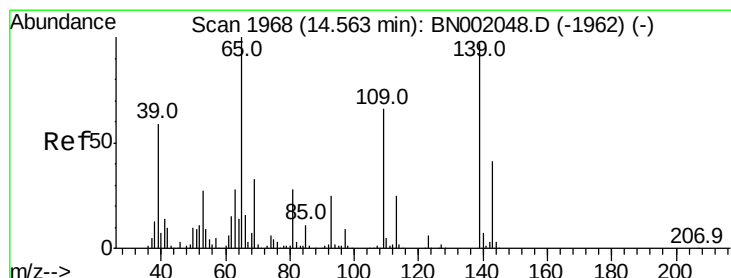
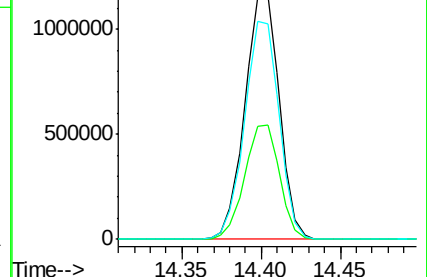
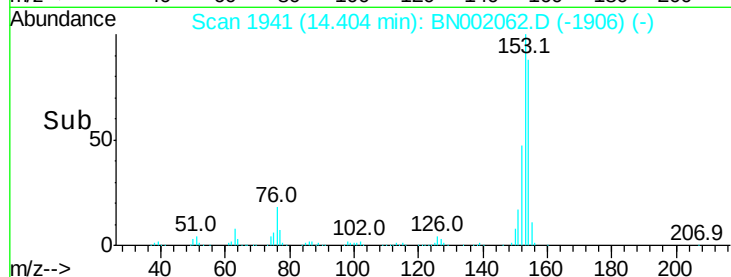
154 88.4 71.8 107.8



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: 10.995 ng/ul

RT: 14.56 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BN002062.D

Acq: 16 Jul 2018 23:26

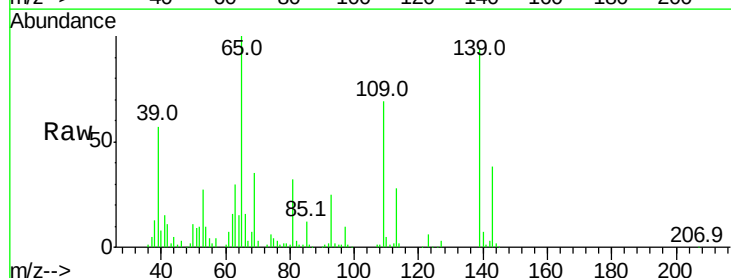
Tgt Ion:109 Resp: 113026

Ion Ratio Lower Upper

109 100

139 137.3 103.7 155.5

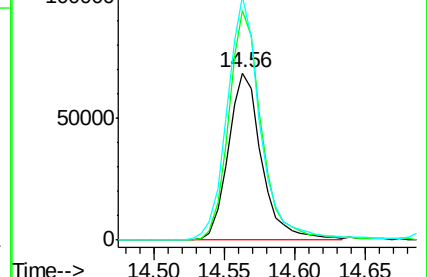
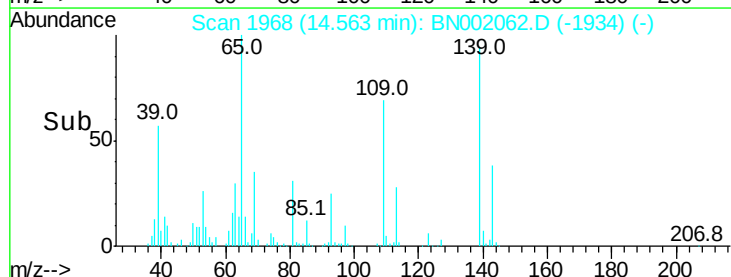
65 145.8 89.4 134.2#

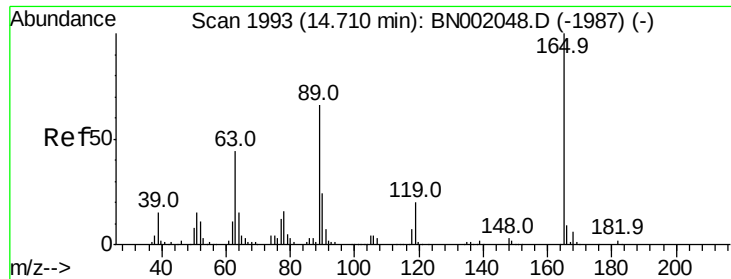


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC

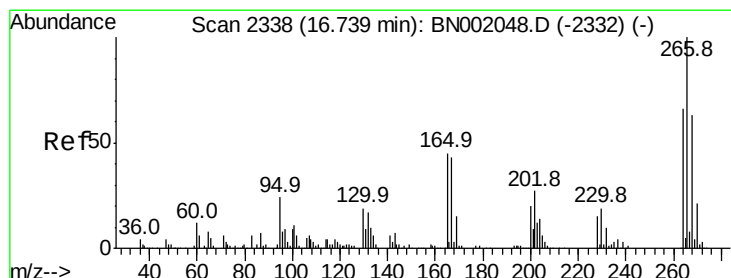
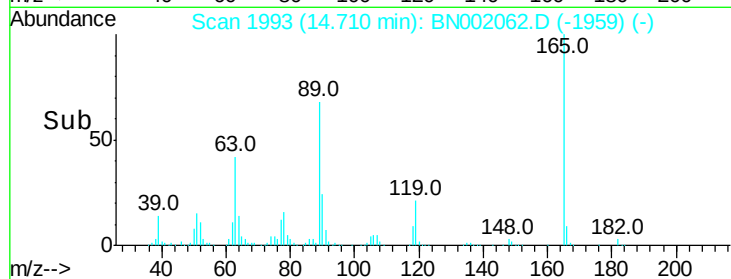
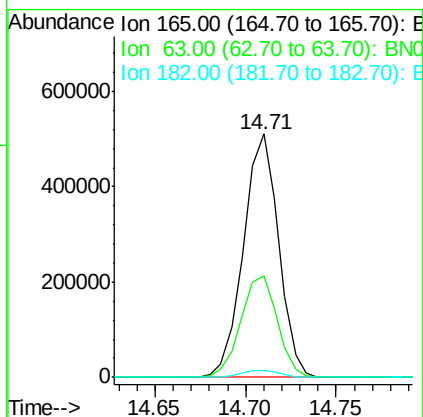
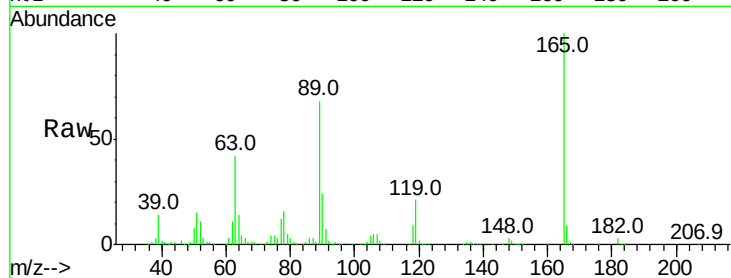




#54  
 2,4-Dinitrotoluene  
 Concen: 29.821 ng/ul  
 RT: 14.71 min Scan# 1993  
 Delta R.T. -0.00 min  
 Lab File: BN002062.D  
 Acq: 16 Jul 2018 23:26

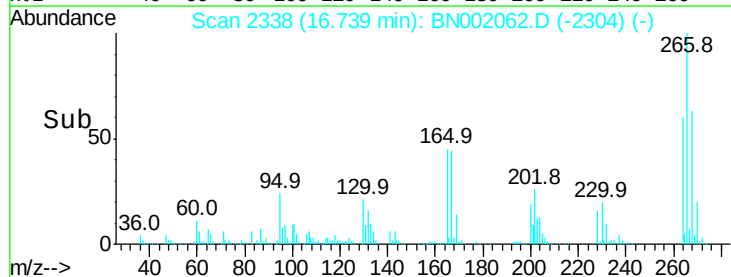
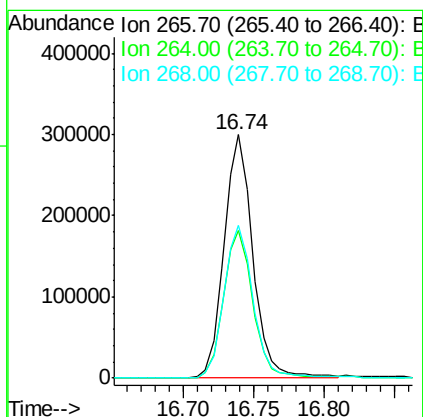
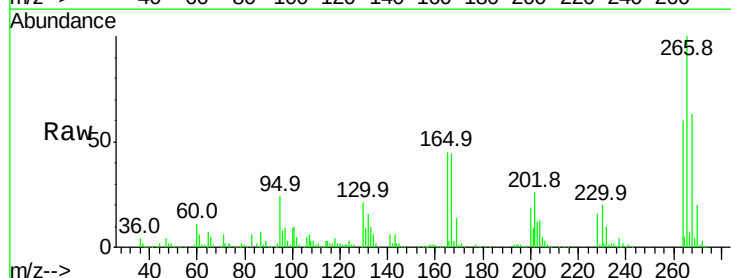
Instrument :  
 BNA\_N  
 ClientSampleId :

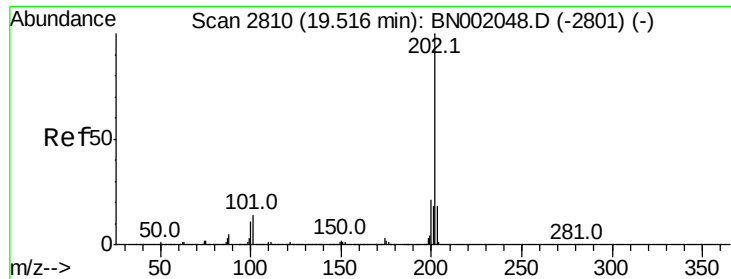
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 42.0  | 29.8  | 44.6  |
| 182     | 2.9   | 2.2   | 3.4   |



#68  
 Pentachlorophenol  
 Concen: 29.176 ng/ul  
 RT: 16.74 min Scan# 2338  
 Delta R.T. -0.00 min  
 Lab File: BN002062.D  
 Acq: 16 Jul 2018 23:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 60.5  | 50.5  | 75.7  |
| 268     | 63.0  | 50.9  | 76.3  |





#79

Pvrene

Concen: 29.217 ng/ul

RT: 19.52 min Scan# 2810

Delta R.T. -0.00 min

Lab File: BN002062.D

Acq: 16 Jul 2018 23:26

Instrument :

BNA\_N

ClientSampleId :

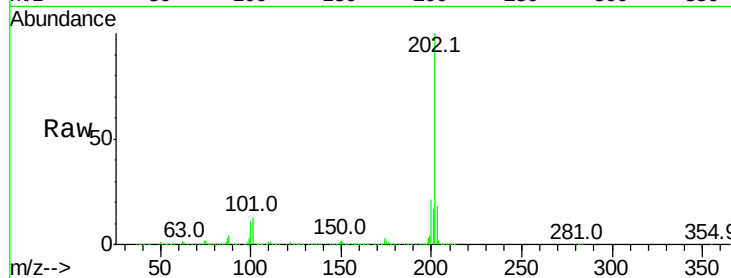
Tot Ion:202 Resp: 4178222

Ion Ratio Lower Upper

202 100

101 12.8 10.2 15.2

100 10.7 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

