

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122118\  
 Data File : BN004160.D  
 Acq On : 21 Dec 2018 15:10  
 Operator : JU/SJ  
 Sample : J6485-02MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ETO80MS

Quant Time: Dec 22 04:19:56 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 22 04:16:53 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 24513    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 119766   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 78676    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 192492   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.40 | 240  | 231340   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.72 | 264  | 235109   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 2010   | 5.37  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 17416  | 7.23  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 43596  | 33.23 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 50954  | 26.98 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 33840  | 16.76 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 33639  | 35.45 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.71  | 143 | 38988  | 36.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 61706  | 31.30 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 2952   | 1.60  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 252208 | 35.91 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 300179 | 36.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 9519   | 6.56  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 218805 | 36.03 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 41110  | 29.65 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 359617 | 36.97 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.61 | 212 | 410998 | 39.71 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.58 | 264 | 493542 | 38.69 | ng/ul | 0.00 |

## Target Compounds

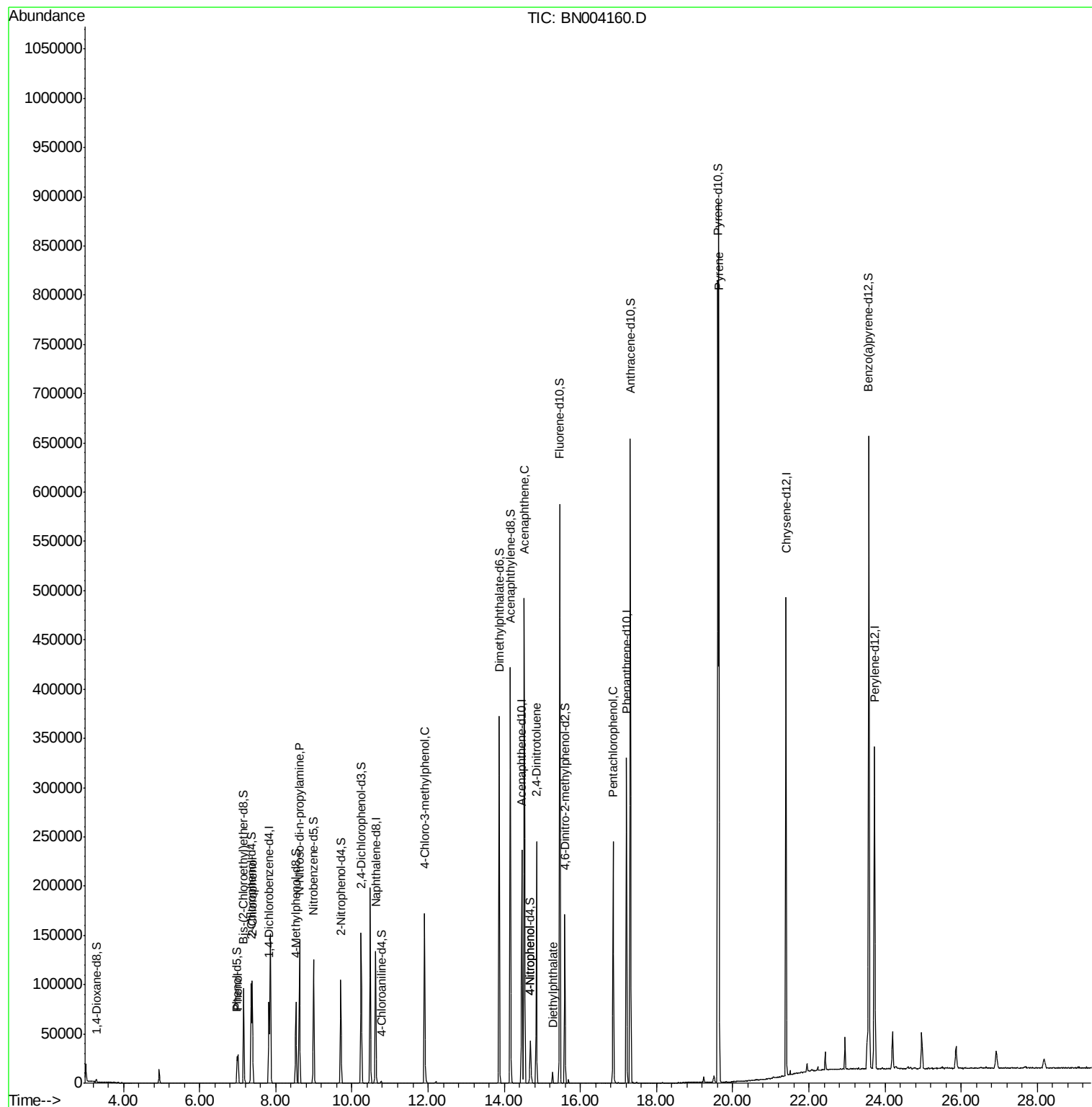
|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                      | 7.02  | 94  | 18438  | 7.580  | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.39  | 128 | 49862  | 26.452 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 53631  | 35.961 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.90 | 107 | 66680  | 30.214 | ng/ul 98  |
| 49) Acenaphthene               | 14.53 | 153 | 199425 | 35.281 | ng/ul 99  |
| 52) 4-Nitrophenol              | 14.69 | 109 | 6544   | 7.137  | ng/ul 94  |
| 54) 2,4-Dinitrotoluene         | 14.85 | 165 | 76151  | 35.170 | ng/ul 100 |
| 56) Diethylphthalate           | 15.27 | 149 | 7776   | 1.109  | ng/ul 99  |
| 68) Pentachlorophenol          | 16.86 | 266 | 48839  | 31.597 | ng/ul 98  |
| 79) Pyrene                     | 19.64 | 202 | 515401 | 39.879 | ng/ul 99  |

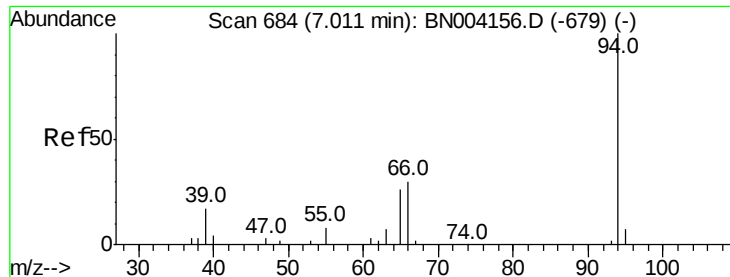
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 7.580 ng/ul

RT: 7.02 min Scan# 685

Delta R.T. 0.01 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

Instrument :

BNA\_N

ClientSampleId :

ETO80MS

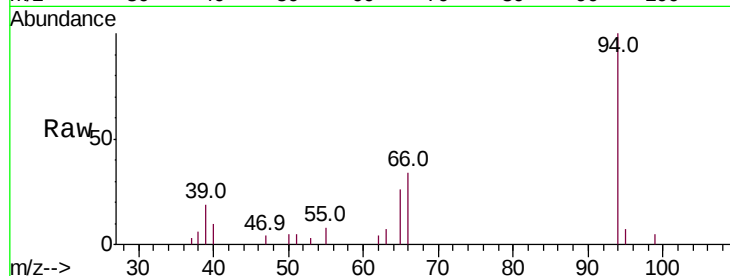
Tot Ion: 94 Resp: 18438

Ion Ratio Lower Upper

94 100

65 25.6 21.2 31.8

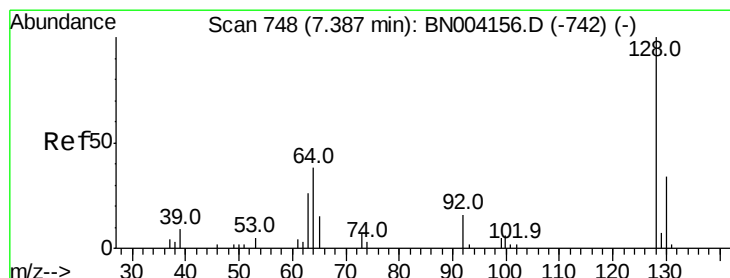
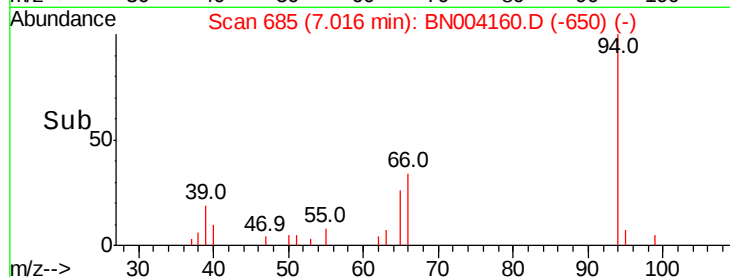
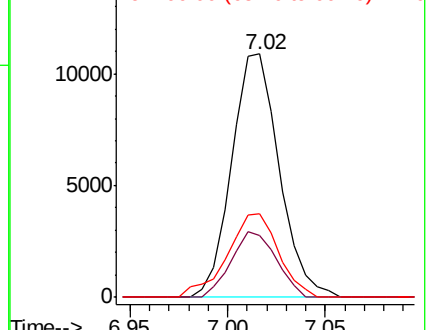
66 34.3 26.9 40.3



Abundance Ion 94.00 (93.70 to 94.70): BN004156.D (-679) (-)

Ion 65.00 (64.70 to 65.70): BN004156.D (-679) (-)

Ion 66.00 (65.70 to 66.70): BN004156.D (-679) (-)



#10

2-Chlorophenol

Concen: 26.452 ng/ul

RT: 7.39 min Scan# 748

Delta R.T. -0.00 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

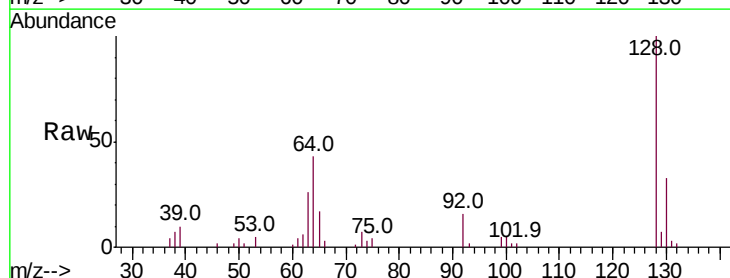
Tgt Ion:128 Resp: 49862

Ion Ratio Lower Upper

128 100

64 42.9 33.8 50.6

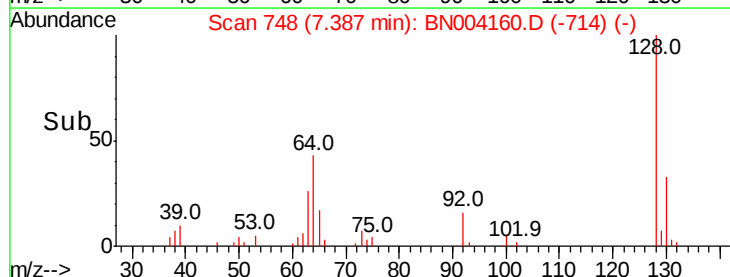
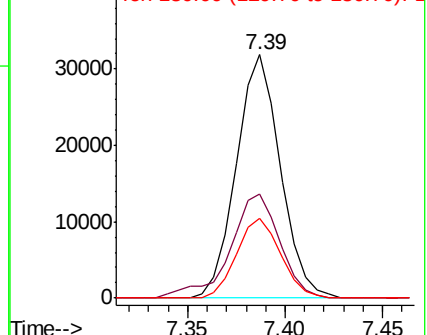
130 32.6 25.4 38.0

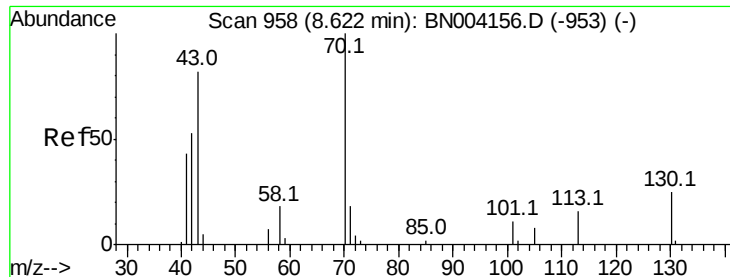


Abundance Ion 128.00 (127.70 to 128.70): BN004156.D (-742) (-)

Ion 64.00 (63.70 to 64.70): BN004156.D (-742) (-)

Ion 130.00 (129.70 to 130.70): BN004156.D (-742) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 35.961 ng/ul

RT: 8.62 min Scan# 958

Delta R.T. -0.00 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

Instrument :

BNA\_N

ClientSampled :

ETO80MS

Tot Ion: 70 Resp: 53631

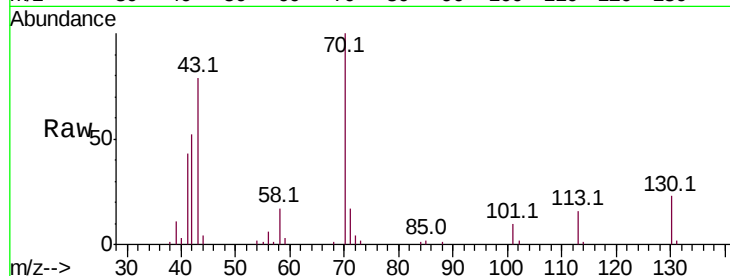
Ion Ratio Lower Upper

70 100

42 52.2 42.3 63.5

101 10.3 8.7 13.1

130 23.4 20.2 30.2

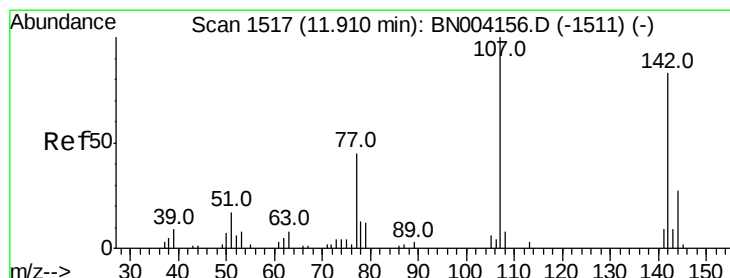
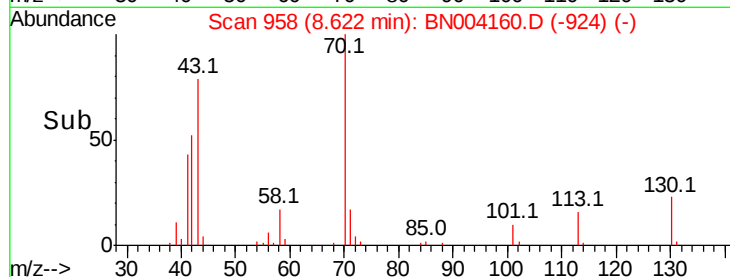
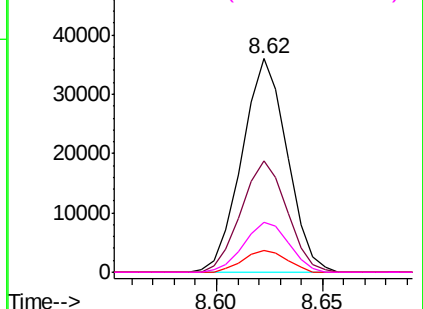


Abundance Ion 70.00 (69.70 to 70.70): BN0

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: 30.214 ng/ul

RT: 11.90 min Scan# 1516

Delta R.T. -0.01 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

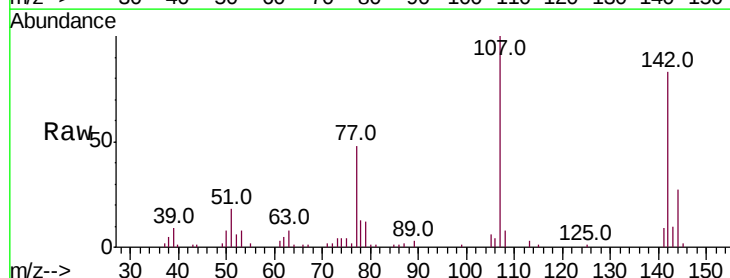
Tgt Ion: 107 Resp: 66680

Ion Ratio Lower Upper

107 100

144 27.2 21.1 31.7

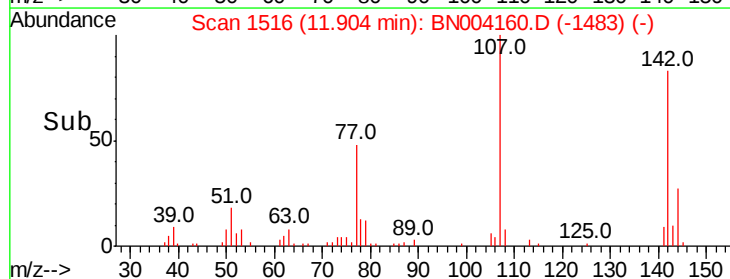
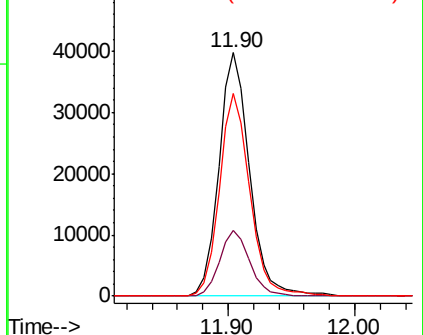
142 83.0 65.0 97.4

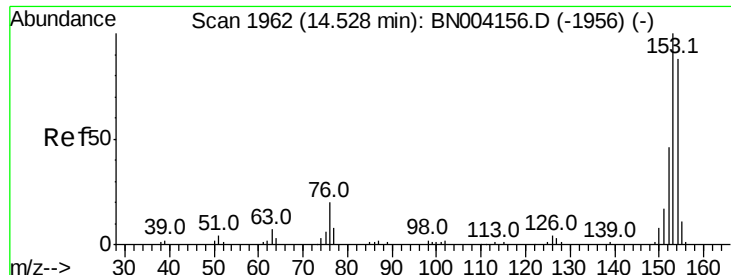


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#49

Acenaphthene

Concen: 35.281 ng/ul

RT: 14.53 min Scan# 1962

Delta R.T. -0.00 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

Instrument :

BNA\_N

ClientSampleId :

ETO80MS

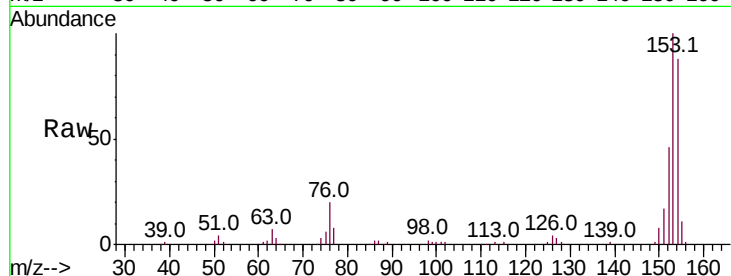
Tot Ion:153 Resp: 199425

Ion Ratio Lower Upper

153 100

152 46.2 37.8 56.6

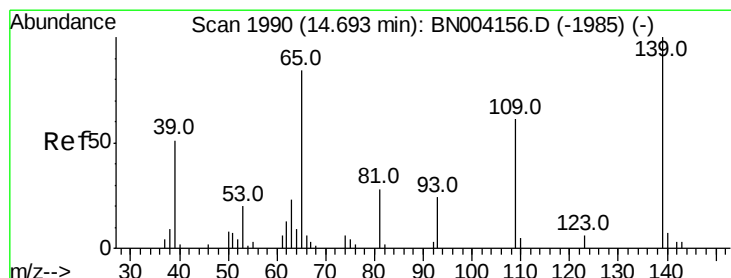
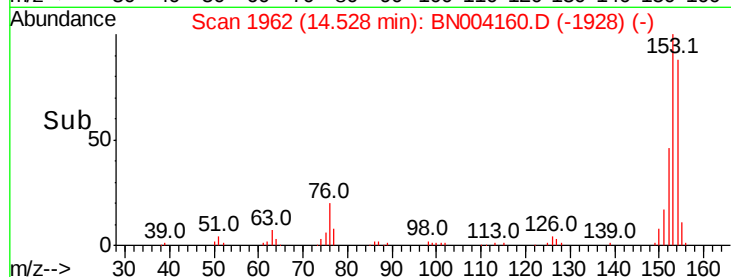
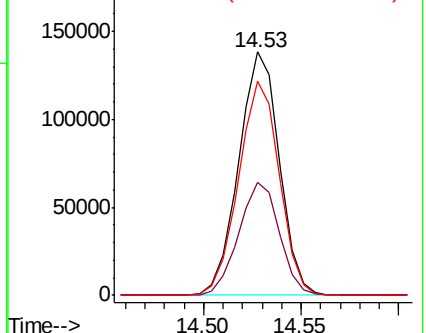
154 87.7 71.0 106.6



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: 7.137 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BN004160.D

Acq: 21 Dec 2018 15:10

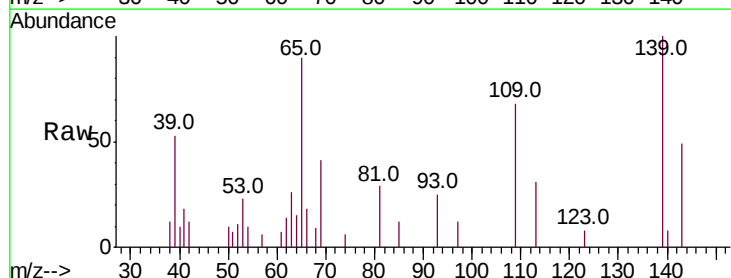
Tgt Ion:109 Resp: 6544

Ion Ratio Lower Upper

109 100

139 147.3 125.0 187.4

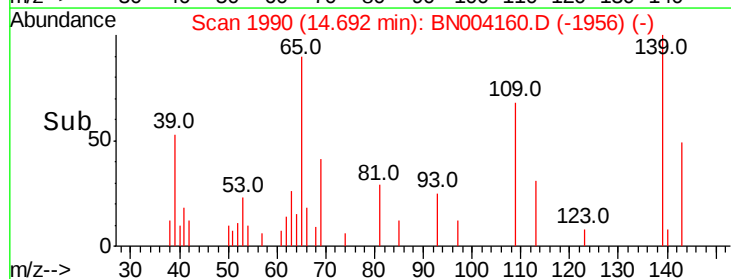
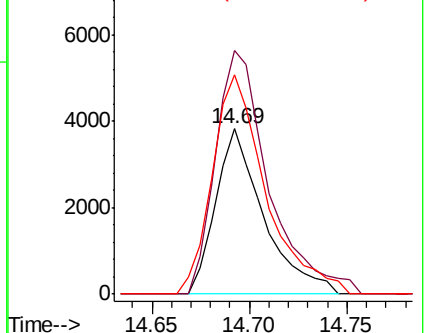
65 132.7 110.8 166.2

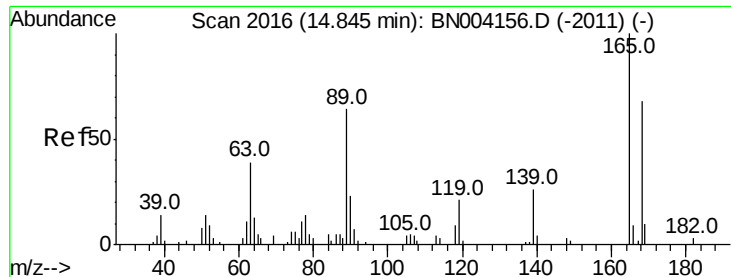


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC

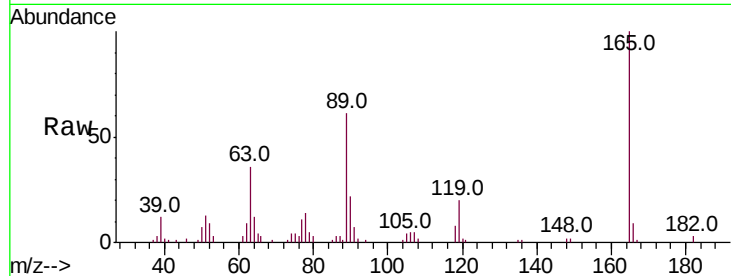




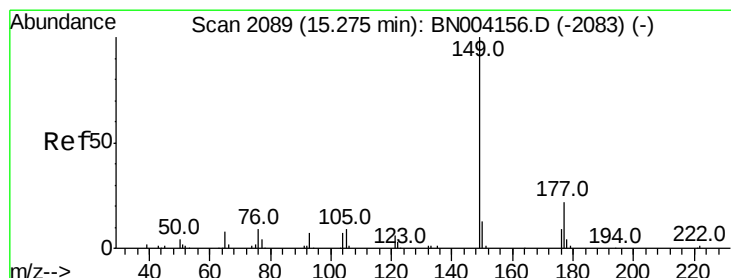
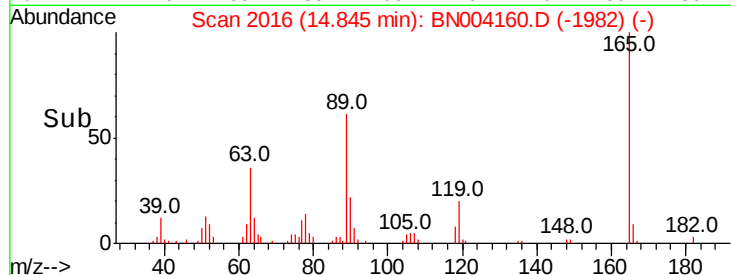
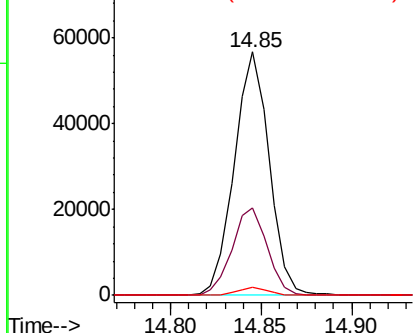
#54  
2,4-Dinitrotoluene  
Concen: 35.170 ng/ul  
RT: 14.85 min Scan# 2016  
Delta R.T. -0.00 min  
Lab File: BN004160.D  
Acq: 21 Dec 2018 15:10

Instrument :  
BNA\_N  
ClientSampleId :  
ETO80MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 36.1  | 29.0  | 43.6  |
| 182     | 3.2   | 2.4   | 3.6   |

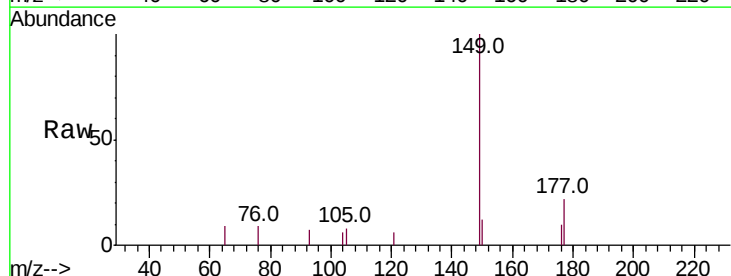


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BNO  
Ion 182.00 (181.70 to 182.70): E

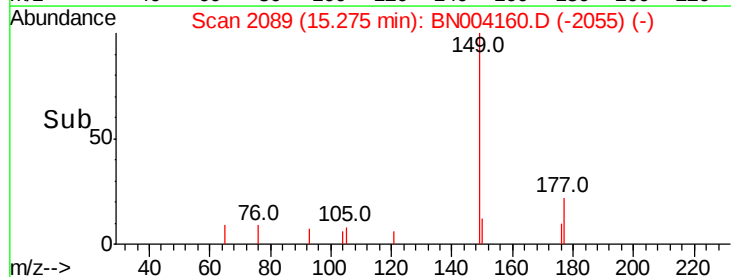
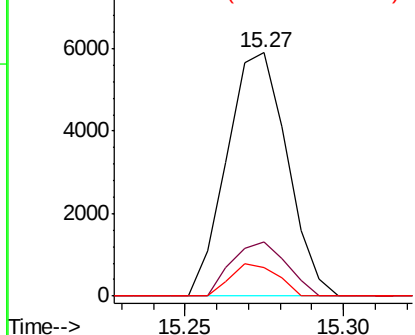


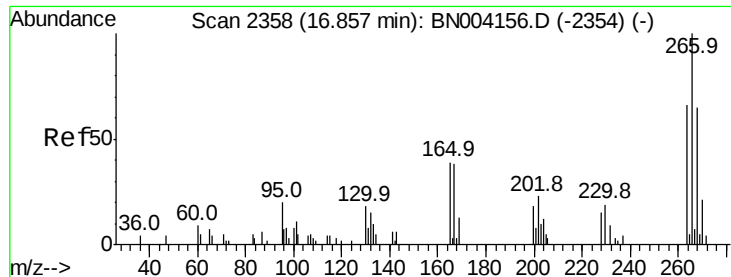
#56  
Diethylphthalate  
Concen: 1.109 ng/ul  
RT: 15.27 min Scan# 2089  
Delta R.T. -0.00 min  
Lab File: BN004160.D  
Acq: 21 Dec 2018 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.3  | 17.8  | 26.6  |
| 150     | 11.6  | 10.2  | 15.2  |



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E

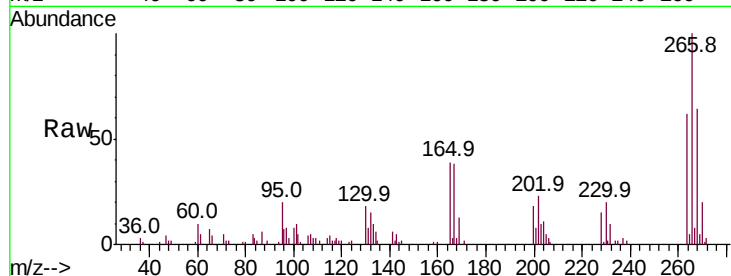




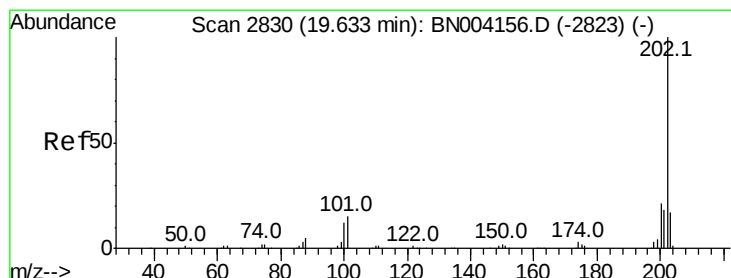
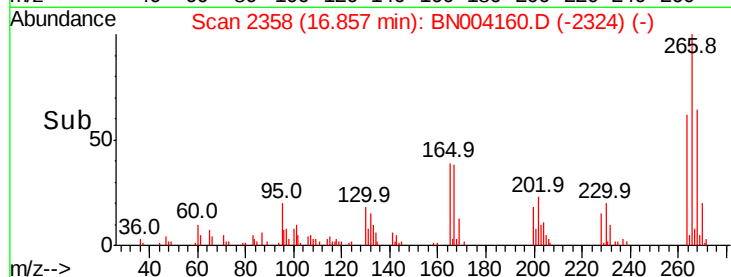
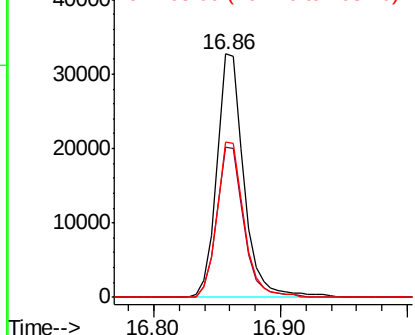
#68  
 Pentachlorophenol  
 Concen: 31.597 ng/ul  
 RT: 16.86 min Scan# 2358  
 Delta R.T. -0.00 min  
 Lab File: BN004160.D  
 Acq: 21 Dec 2018 15:10

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ETO80MS

Tot Ion:266 Resp: 48839  
 Ion Ratio Lower Upper  
 266 100  
 264 61.8 51.8 77.8  
 268 63.6 50.7 76.1

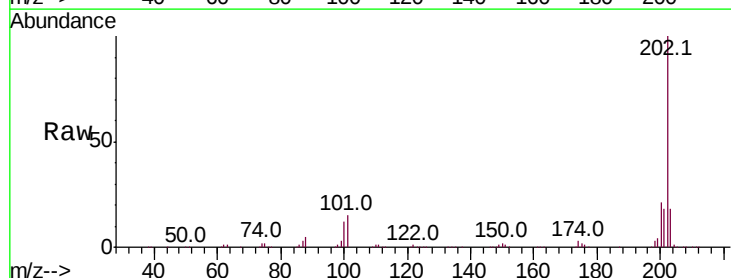


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#79  
 Pyrene  
 Concen: 39.879 ng/ul  
 RT: 19.64 min Scan# 2831  
 Delta R.T. 0.01 min  
 Lab File: BN004160.D  
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Tgt Ion:202 Resp: 515401  
 Ion Ratio Lower Upper  
 202 100  
 101 14.7 12.2 18.2  
 100 12.1 9.9 14.9



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

