

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061219\  
 Data File : BM020910.D  
 Acq On : 12 Jun 2019 19:06  
 Operator : HP/JU  
 Sample : K3215-03MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 13 05:55:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM060619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 13 01:55:55 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.80  | 152  | 313782   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.60 | 136  | 1250098  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.44 | 164  | 695026   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.19 | 188  | 1495351  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.37 | 240  | 1349651  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.65 | 264  | 1543546  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.31  | 96  | 10317   | 1.57  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.97  | 99  | 226205  | 9.42  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.14  | 67  | 514479  | 35.74 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 612072  | 32.01 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.51  | 113 | 391042  | 20.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.97  | 128 | 344394  | 40.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.68  | 143 | 380115  | 43.28 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.22 | 165 | 693220  | 37.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.74 | 131 | 5837    | 0.26  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.86 | 166 | 2191756 | 42.63 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.13 | 160 | 2644465 | 40.57 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.64 | 143 | 74547   | 8.45  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.44 | 176 | 1846200 | 42.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 213473  | 27.92 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.29 | 188 | 2752247 | 42.14 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.58 | 212 | 2921882 | 44.79 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.50 | 264 | 3293781 | 46.95 | ng/ul | 0.00 |

## Target Compounds

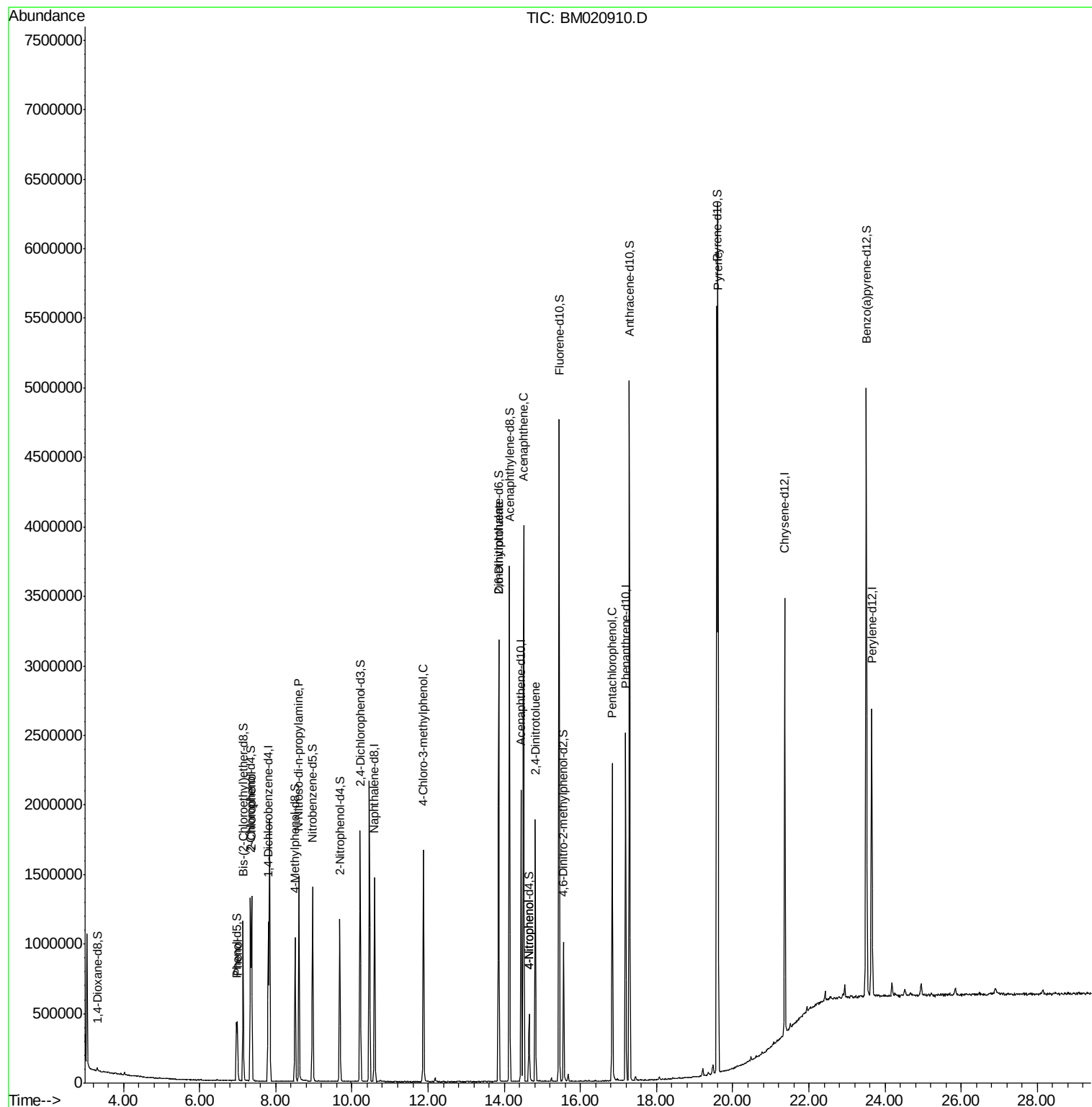
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 7.00  | 94  | 226795  | 9.177  | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.37  | 128 | 579961  | 29.487 | ng/ul 94  |
| 15) N-Nitroso-di-n-propylamine | 8.61  | 70  | 546637  | 34.789 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.87 | 107 | 593482  | 31.743 | ng/ul 99  |
| 45) 2,6-Dinitrotoluene         | 13.86 | 165 | 15389   | 1.594  | ng/ul# 38 |
| 49) Acenaphthene               | 14.51 | 153 | 1684612 | 38.264 | ng/ul 98  |
| 52) 4-Nitrophenol              | 14.66 | 109 | 64300   | 8.890  | ng/ul 93  |
| 54) 2,4-Dinitrotoluene         | 14.82 | 165 | 561182  | 40.200 | ng/ul 96  |
| 68) Pentachlorophenol          | 16.83 | 266 | 420632  | 40.264 | ng/ul 99  |
| 79) Pyrene                     | 19.61 | 202 | 3603650 | 43.255 | ng/ul 98  |

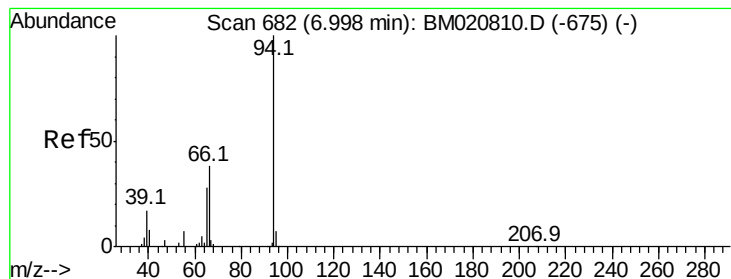
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Jun 13 01:55:55 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 9.177 ng/ul

RT: 7.00 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

Instrument :

BNA\_M

ClientSampleId :

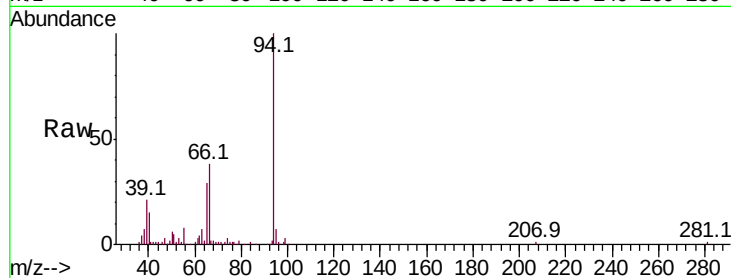
Tot Ion: 94 Resp: 226795

Ion Ratio Lower Upper

94 100

65 28.7 23.3 34.9

66 37.8 32.1 48.1



Abundance Ion 94.00 (93.70 to 94.70): BM020910.D (-712) (-)

Ion 65.00 (64.70 to 65.70): BM020910.D (-712) (-)

Ion 66.00 (65.70 to 66.70): BM020910.D (-712) (-)

7.00

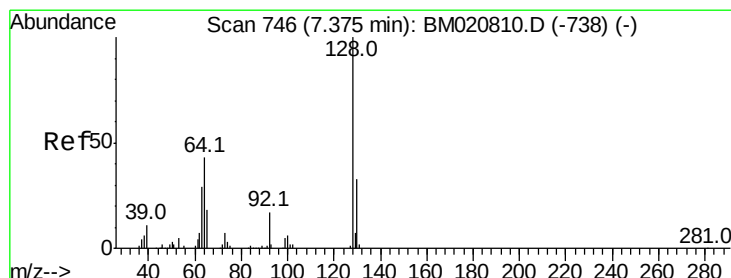
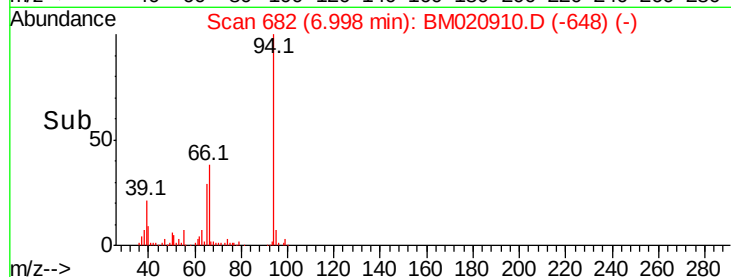
150000

100000

50000

0

Time-->



#10

2-Chlorophenol

Concen: 29.487 ng/ul

RT: 7.37 min Scan# 745

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

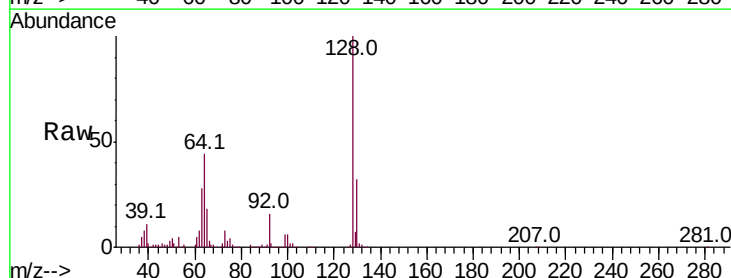
Tgt Ion: 128 Resp: 579961

Ion Ratio Lower Upper

128 100

64 44.3 39.0 58.4

130 31.9 27.5 41.3



Abundance Ion 128.00 (127.70 to 128.70): BM020910.D (-712) (-)

Ion 64.00 (63.70 to 64.70): BM020910.D (-712) (-)

Ion 130.00 (129.70 to 130.70): BM020910.D (-712) (-)

7.37

500000

400000

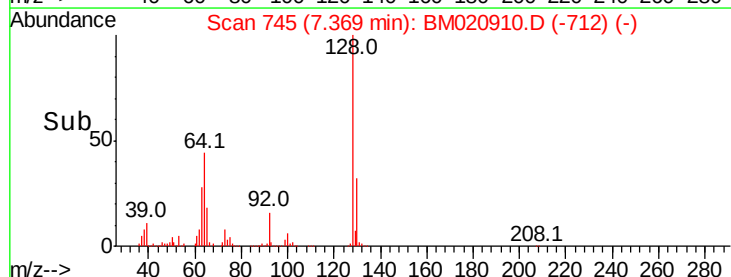
300000

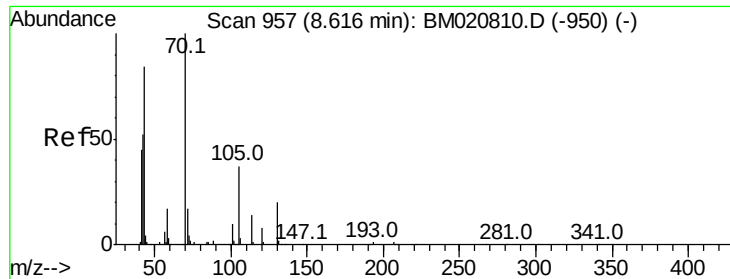
200000

100000

0

Time-->





#15

N-Nitroso-di-n-propylamine

Concen: 34.789 ng/ul

RT: 8.61 min Scan# 956

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 70 Resp: 546637

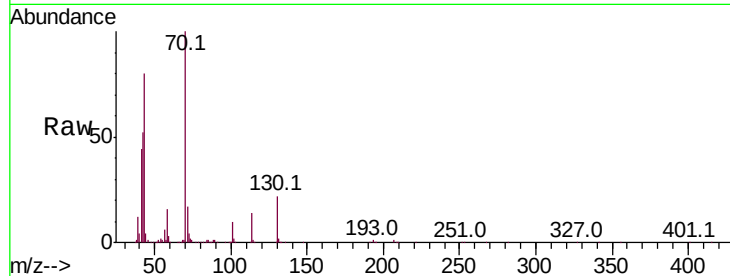
Ion Ratio Lower Upper

70 100

42 52.3 43.6 65.4

101 9.8 8.2 12.2

130 21.7 15.8 23.8

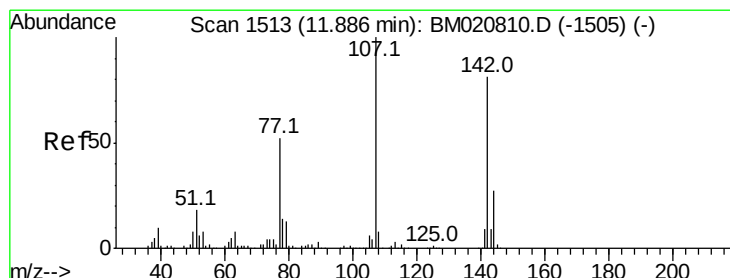
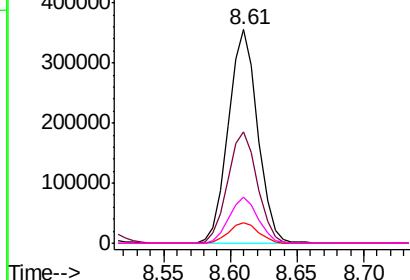
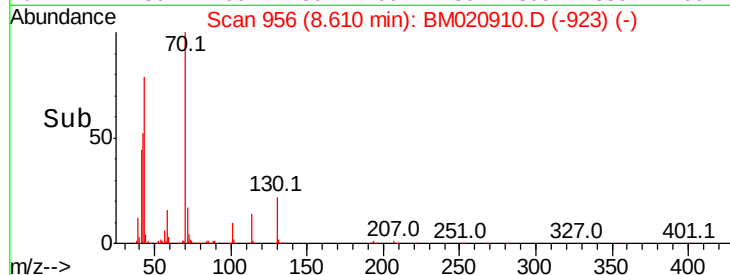


Abundance Ion 70.00 (69.70 to 70.70): BM020810.D (-950) (-)

Ion 42.00 (41.70 to 42.70): BM020810.D (-950) (-)

Ion 101.00 (100.70 to 101.70): BM020810.D (-950) (-)

Ion 130.00 (129.70 to 130.70): BM020810.D (-950) (-)



#33

4-Chloro-3-methylphenol

Concen: 31.743 ng/ul

RT: 11.87 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

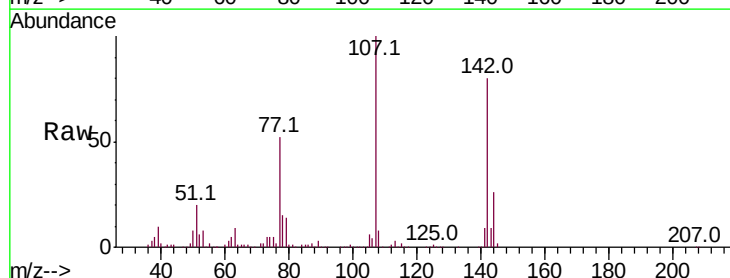
Tgt Ion: 107 Resp: 593482

Ion Ratio Lower Upper

107 100

144 26.4 21.3 31.9

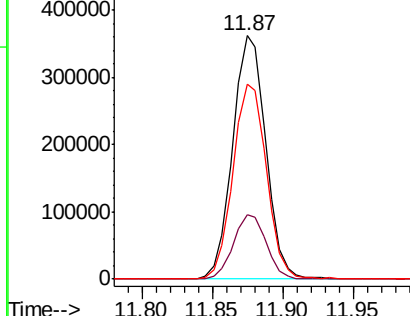
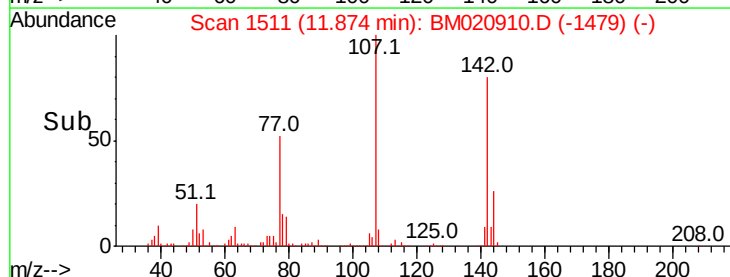
142 80.2 63.2 94.8

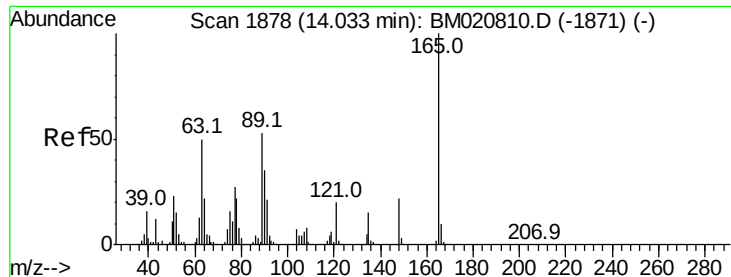


Abundance Ion 107.00 (106.70 to 107.70): BM020810.D (-1505) (-)

Ion 144.00 (143.70 to 144.70): BM020810.D (-1505) (-)

Ion 142.00 (141.70 to 142.70): BM020810.D (-1505) (-)





#45

2,6-Dinitrotoluene

Concen: 1.594 ng/ul

RT: 13.86 min Scan# 1848

Delta R.T. -0.18 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

Instrument :

BNA\_M

ClientSampleId :

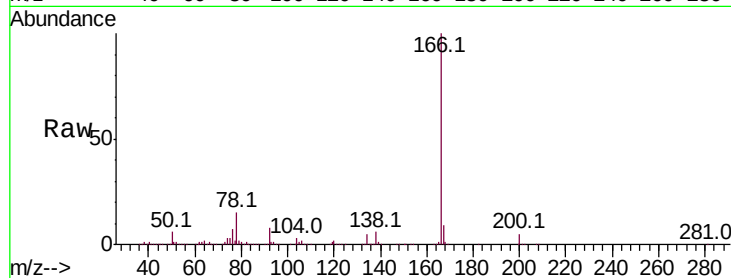
Tot Ion:165 Resp: 15389

Ion Ratio Lower Upper

165 100

89 0.0 43.1 64.7#

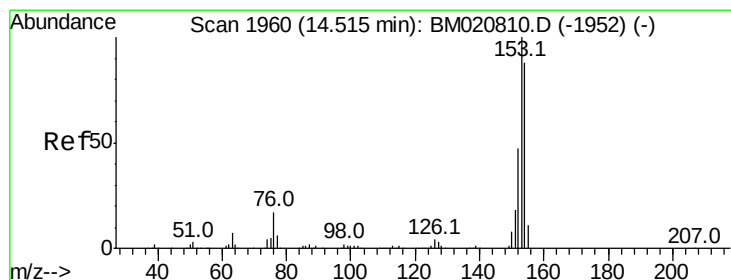
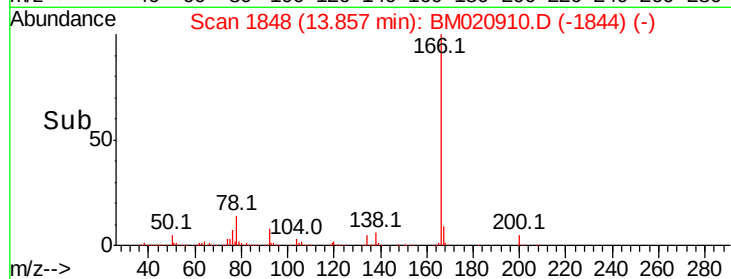
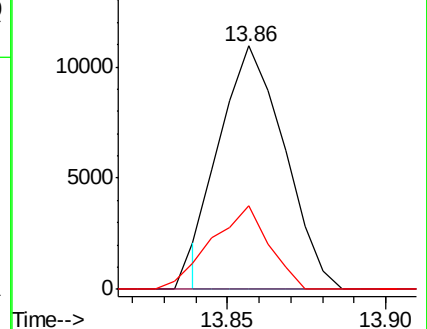
121 34.1 16.9 25.3#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 89.00 (88.70 to 89.70): BM

Ion 121.00 (120.70 to 121.70): E



#49

Acenaphthene

Concen: 38.264 ng/ul

RT: 14.51 min Scan# 1959

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

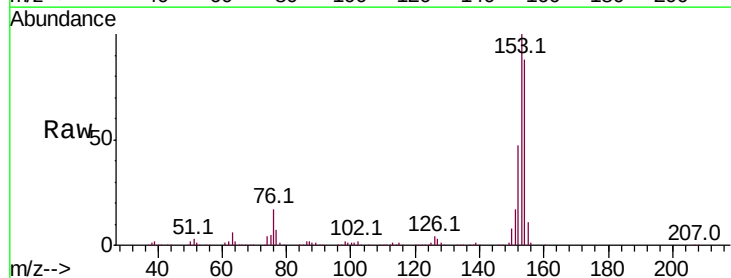
Tgt Ion:153 Resp: 1684612

Ion Ratio Lower Upper

153 100

152 47.2 37.3 55.9

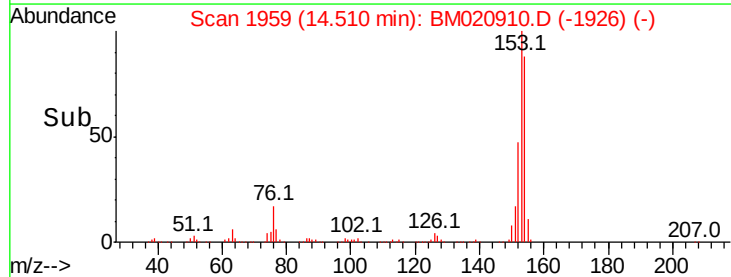
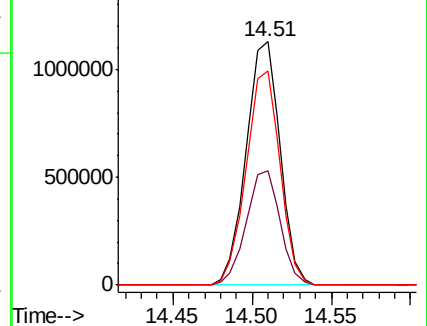
154 88.1 68.7 103.1

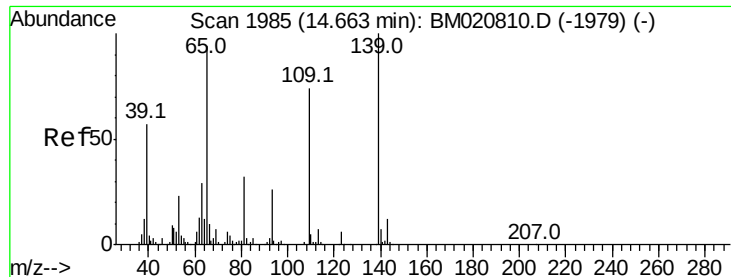


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#52

4-Nitrophenol

Concen: 8.890 ng/ul

RT: 14.66 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

Instrument :

BNA\_M

ClientSampled :

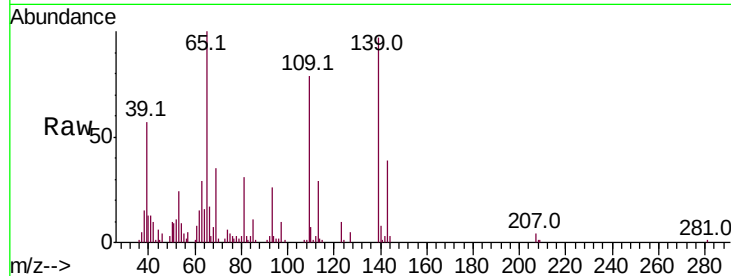
Tot Ion:109 Resp: 64300

Ion Ratio Lower Upper

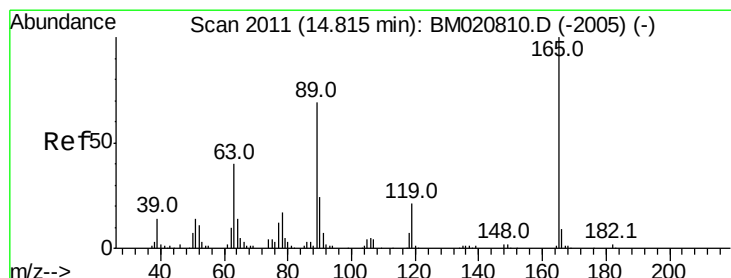
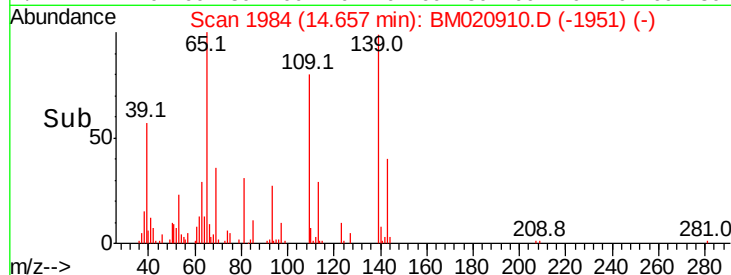
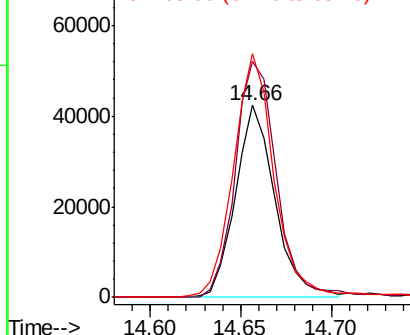
109 100

139 123.0 105.9 158.9

65 126.6 106.2 159.4



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): BM



#54

2,4-Dinitrotoluene

Concen: 40.200 ng/ul

RT: 14.82 min Scan# 2011

Delta R.T. 0.00 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

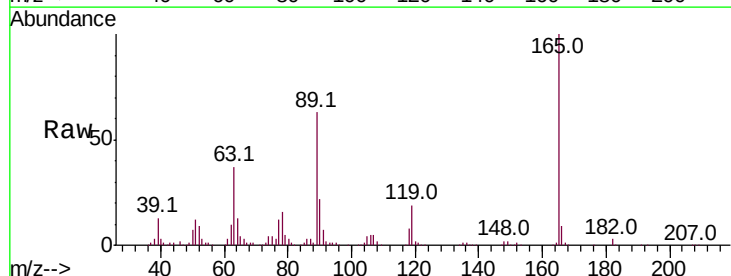
Tgt Ion:165 Resp: 561182

Ion Ratio Lower Upper

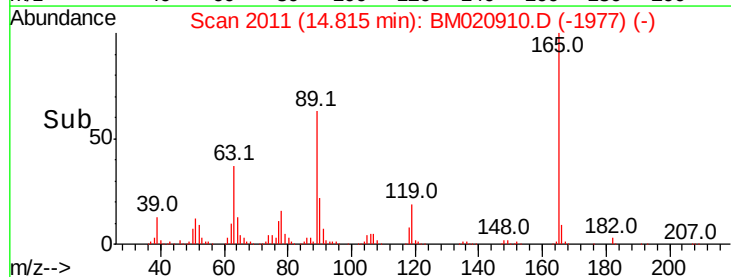
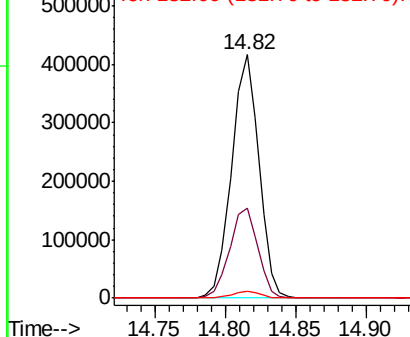
165 100

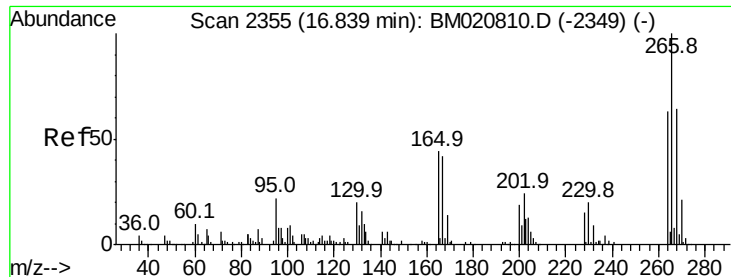
63 37.2 31.7 47.5

182 2.9 2.2 3.4



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





#68

Pentachlorophenol

Concen: 40.264 ng/ul

RT: 16.83 min Scan# 2354

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

Instrument :

BNA\_M

ClientSampled :

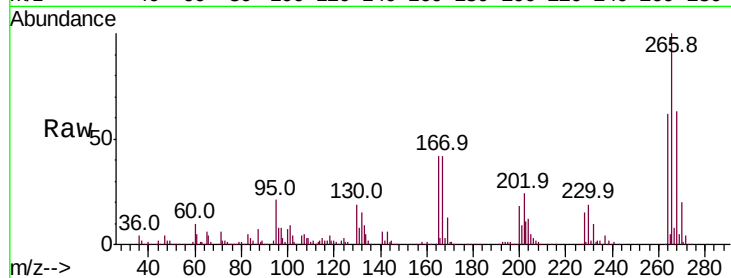
Tot Ion:266 Resp: 420632

Ion Ratio Lower Upper

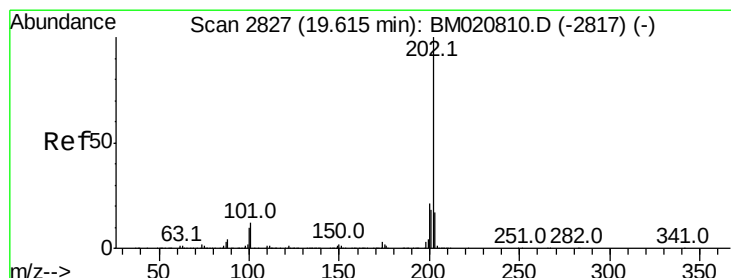
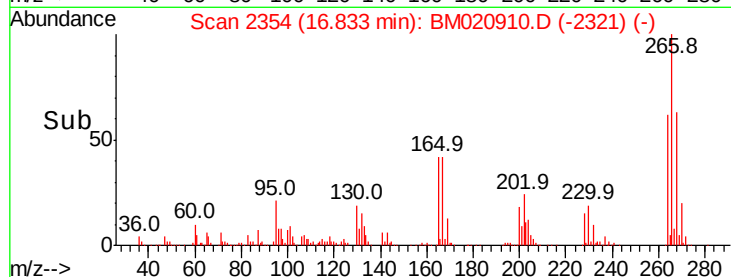
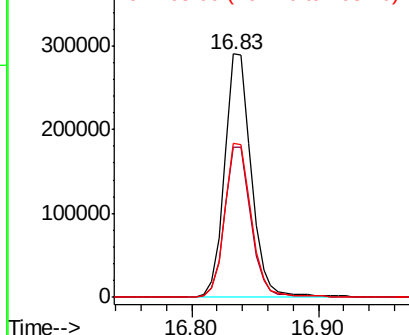
266 100

264 61.9 50.3 75.5

268 63.4 51.2 76.8



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: 43.255 ng/ul

RT: 19.61 min Scan# 2826

Delta R.T. -0.01 min

Lab File: BM020910.D

Acq: 12 Jun 2019 19:06

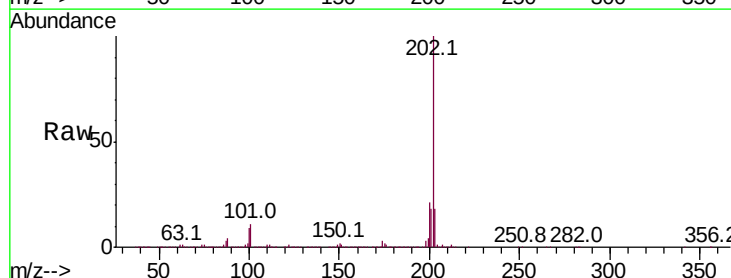
Tgt Ion:202 Resp: 3603650

Ion Ratio Lower Upper

202 100

101 11.3 9.8 14.6

100 9.3 8.0 12.0



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

