

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\  
 Data File : BN005264.D  
 Acq On : 24 Apr 2019 23:21  
 Operator : JU/SJ  
 Sample : K2456-20MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHN8MSD

Quant Time: Apr 25 03:29:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 25 03:19:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 410413   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.36 | 136  | 1863911  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 1179079  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2634268  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1830803  | 20.00 | ng/ul | -0.02    |
| 85) Perylene-d12          | 23.42 | 264  | 1920267  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 46566   | 5.48  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.77  | 99  | 1070536 | 33.21 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 629532  | 31.31 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 824631  | 33.43 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 870129  | 34.53 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 437689  | 38.15 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 493862  | 42.46 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 921879  | 34.58 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 1275104 | 46.38 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 3024917 | 35.34 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 3684031 | 35.04 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 470689  | 34.83 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.23 | 176 | 2554737 | 35.57 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 321552  | 27.14 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.08 | 188 | 3852533 | 34.89 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.40 | 212 | 3654895 | 39.02 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 3031084 | 36.12 | ng/ul | -0.03 |

## Target Compounds

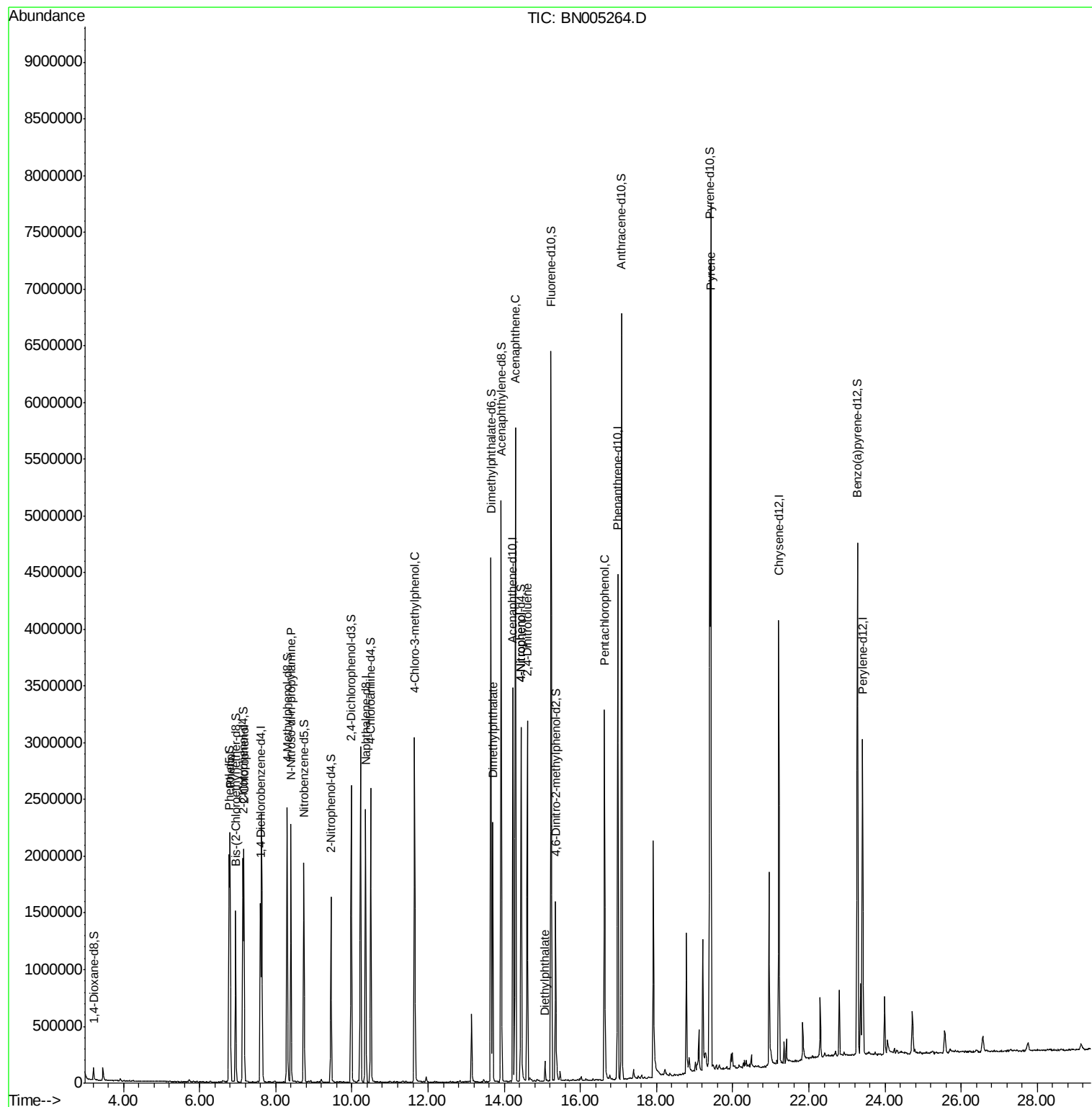
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.80  | 94  | 1075193 | 32.429 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 815338  | 31.970 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.40  | 70  | 749196  | 34.731 | ng/ul 93  |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 1066073 | 35.985 | ng/ul 96  |
| 44) Dimethylphthalate          | 13.70 | 163 | 1433752 | 16.811 | ng/ul 99  |
| 49) Acenaphthene               | 14.29 | 153 | 2365231 | 33.535 | ng/ul 100 |
| 52) 4-Nitrophenol              | 14.45 | 109 | 405578  | 33.062 | ng/ul 89  |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165 | 850100  | 40.044 | ng/ul 94  |
| 56) Diethylphthalate           | 15.07 | 149 | 92973   | 1.087  | ng/ul 99  |
| 68) Pentachlorophenol          | 16.63 | 266 | 551590  | 33.336 | ng/ul 98  |
| 79) Pyrene                     | 19.43 | 202 | 4493396 | 38.119 | ng/ul 98  |

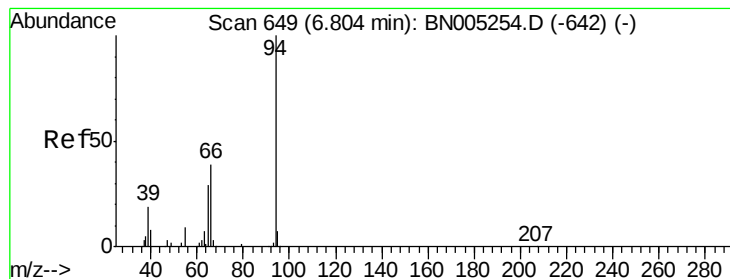
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN042419\  
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GAHN8MSD

Quant Time: Apr 25 03:29:01 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Apr 25 03:19:34 2019  
Response via : Initial Calibration





#6

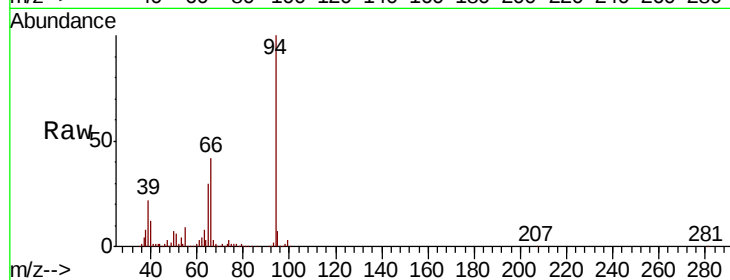
Phenol

Concen: 32.429 ng/ul  
 RT: 6.80 min Scan# 649  
 Delta R.T. -0.00 min  
 Lab File: BN005264.D  
 Acq: 24 Apr 2019 23:21

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAHN8MSD

Tot Ion: 94 Resp: 1075193

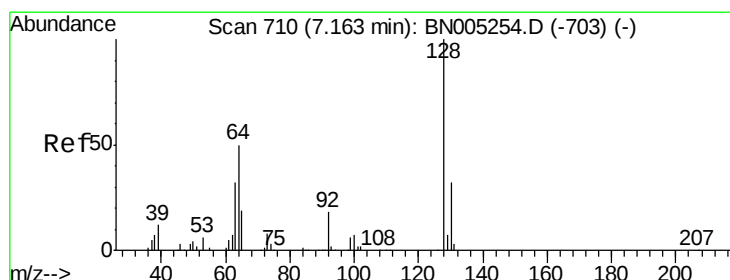
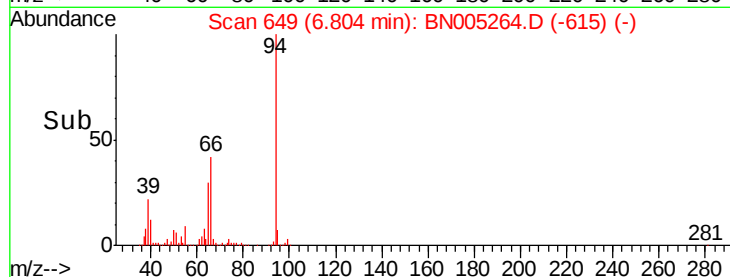
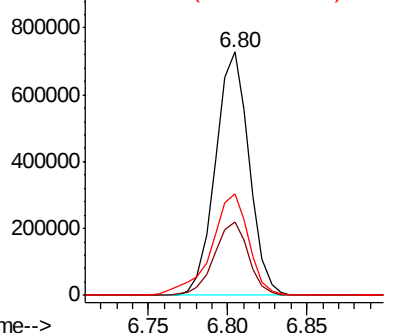
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.0  | 24.2  | 36.4  |
| 66  | 41.7  | 33.8  | 50.6  |



Abundance Ion 94.00 (93.70 to 94.70): BN005254.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BN005254.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BN005254.D (-642) (-)



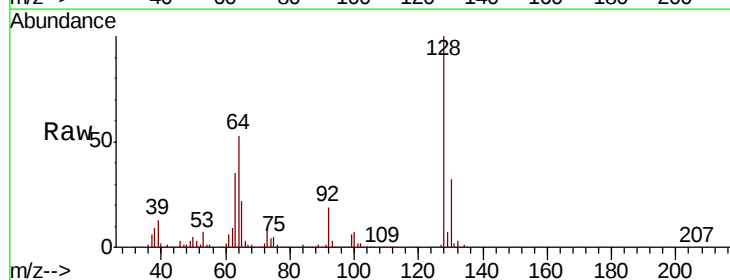
#10

2-Chlorophenol

Concen: 31.970 ng/ul  
 RT: 7.16 min Scan# 710  
 Delta R.T. -0.01 min  
 Lab File: BN005264.D  
 Acq: 24 Apr 2019 23:21

Tgt Ion: 128 Resp: 815338

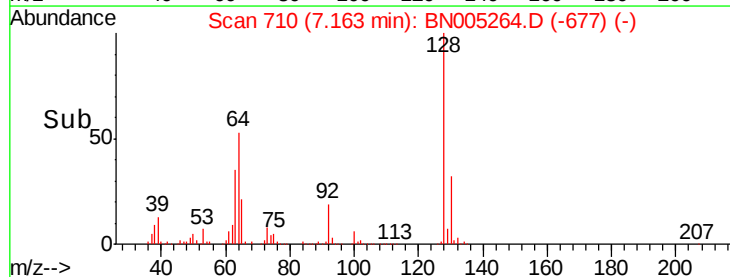
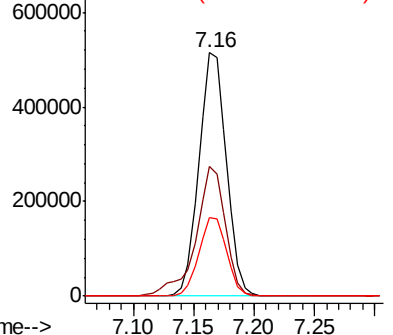
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 64  | 53.3  | 42.3  | 63.5  |
| 130 | 32.3  | 26.5  | 39.7  |

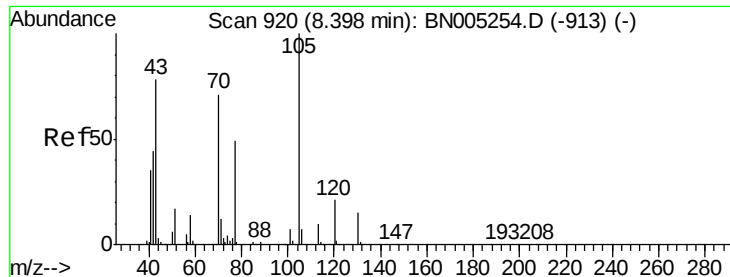


Abundance Ion 128.00 (127.70 to 128.70): BN005254.D (-703) (-)

Ion 64.00 (63.70 to 64.70): BN005254.D (-703) (-)

Ion 130.00 (129.70 to 130.70): BN005254.D (-703) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 34.731 ng/ul

RT: 8.40 min Scan# 920

Delta R.T. -0.00 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

Instrument :

BNA\_N

ClientSampleId :

GAHN8MSD

Tot Ion: 70 Resp: 749196

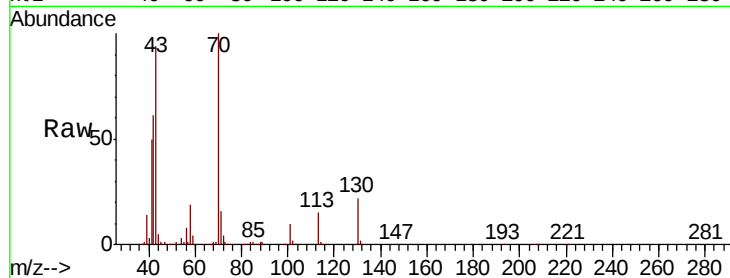
Ion Ratio Lower Upper

70 100

42 60.9 53.8 80.8

101 10.3 7.7 11.5

130 21.9 15.0 22.4

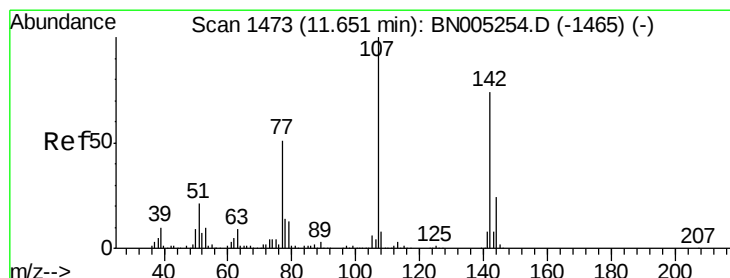
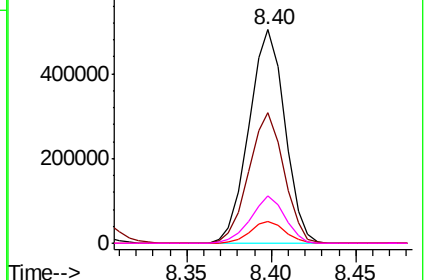
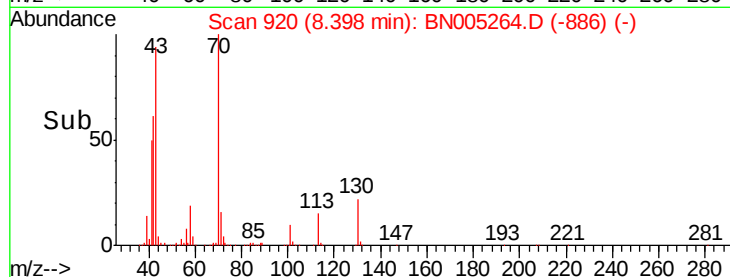


Abundance Ion 70.00 (69.70 to 70.70): BN005254.D (-913) (-)

Ion 42.00 (41.70 to 42.70): BN005254.D (-913) (-)

Ion 101.00 (100.70 to 101.70): BN005254.D (-913) (-)

Ion 130.00 (129.70 to 130.70): BN005254.D (-913) (-)



#33

4-Chloro-3-methylphenol

Concen: 35.985 ng/ul

RT: 11.65 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

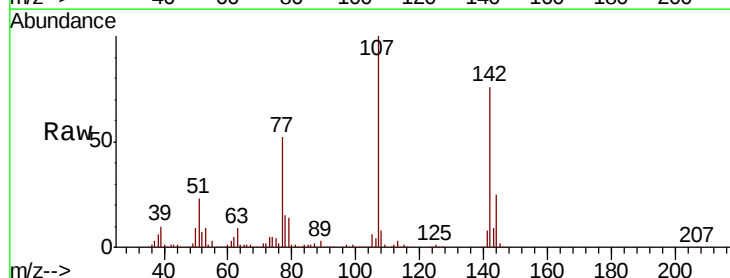
Tgt Ion: 107 Resp: 1066073

Ion Ratio Lower Upper

107 100

144 25.0 19.4 29.0

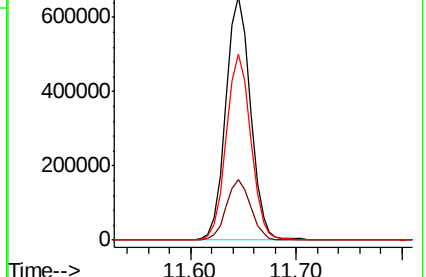
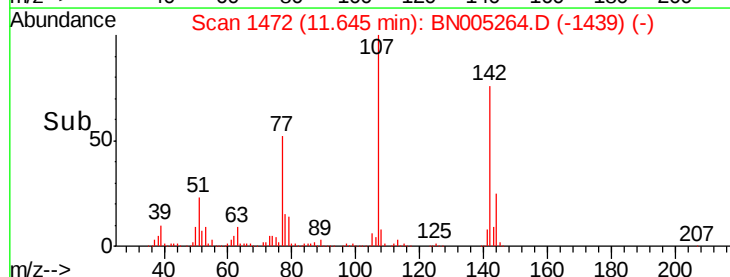
142 76.4 57.7 86.5

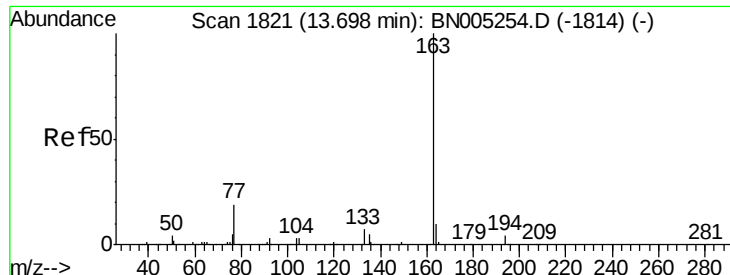


Abundance Ion 107.00 (106.70 to 107.70): BN005254.D (-1465) (-)

Ion 144.00 (143.70 to 144.70): BN005254.D (-1465) (-)

Ion 142.00 (141.70 to 142.70): BN005254.D (-1465) (-)

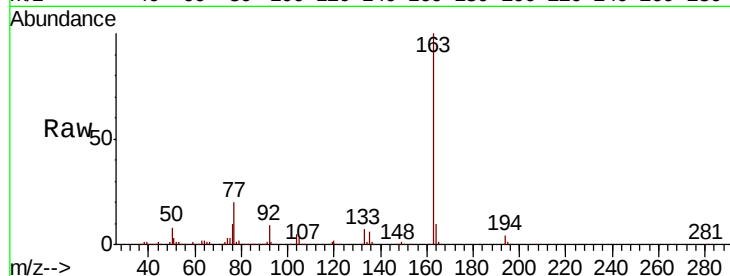




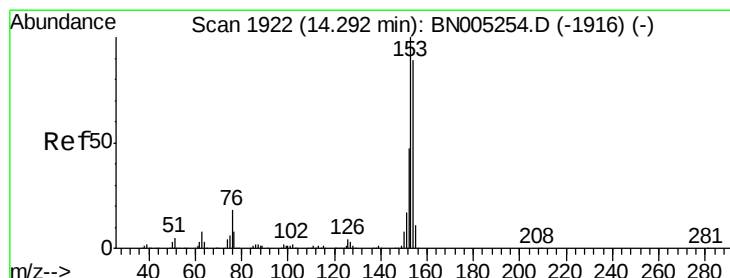
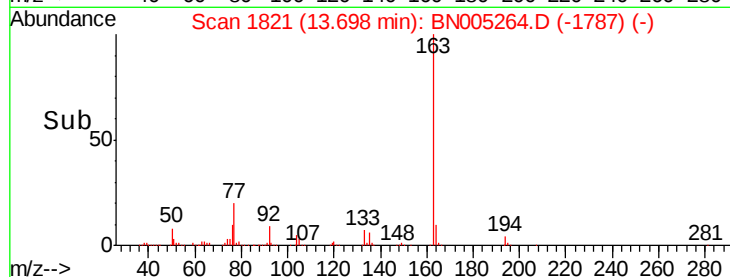
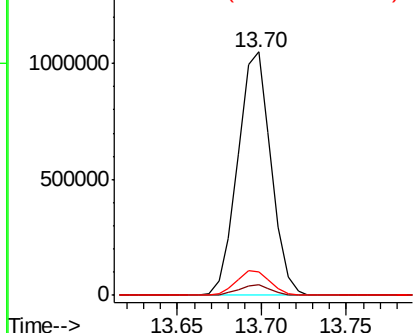
#44  
Dimethylphthalate  
Concen: 16.811 ng/ul  
RT: 13.70 min Scan# 1821  
Delta R.T. -0.00 min  
Lab File: BN005264.D  
Acq: 24 Apr 2019 23:21

Instrument :  
BNA\_N  
ClientSampleId :  
GAHN8MSD

Tot Ion:163 Resp: 1433752  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.4 5.0  
164 9.6 8.1 12.1

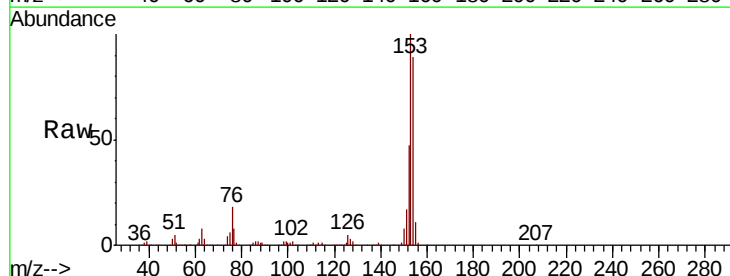


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

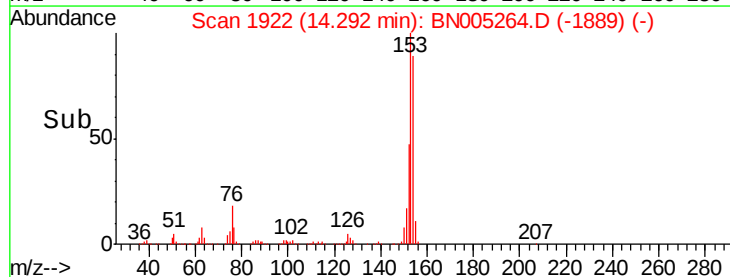
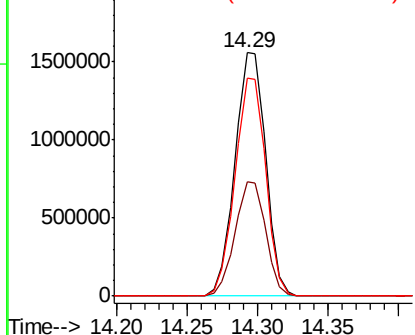


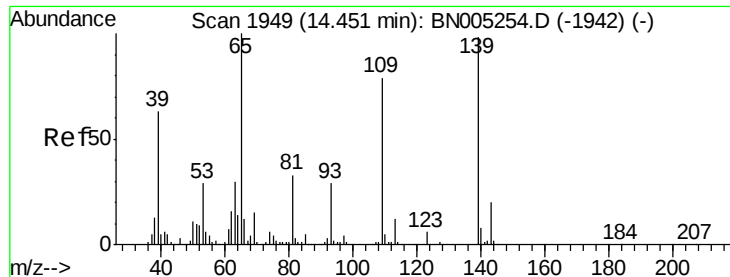
#49  
Acenaphthene  
Concen: 33.535 ng/ul  
RT: 14.29 min Scan# 1922  
Delta R.T. -0.01 min  
Lab File: BN005264.D  
Acq: 24 Apr 2019 23:21

Tgt Ion:153 Resp: 2365231  
Ion Ratio Lower Upper  
153 100  
152 47.1 37.4 56.0  
154 89.3 71.2 106.8



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: 33.062 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

Instrument :

BNA\_N

ClientSampleId :

GAHN8MSD

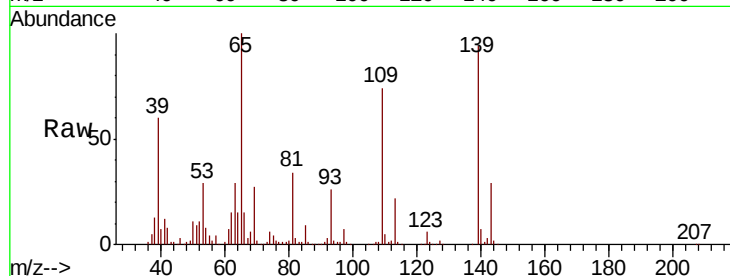
Tot Ion:109 Resp: 405578

Ion Ratio Lower Upper

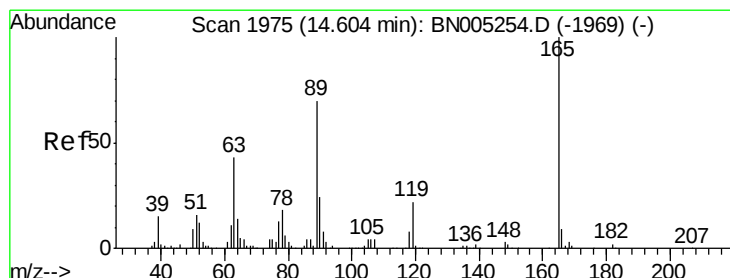
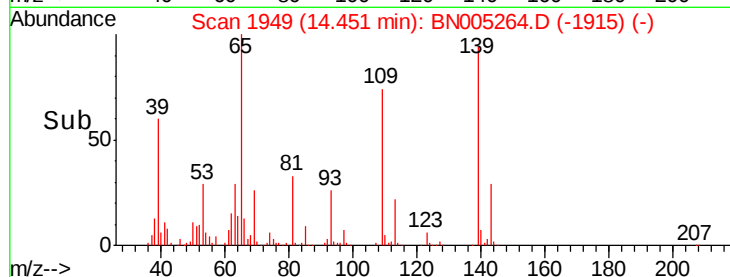
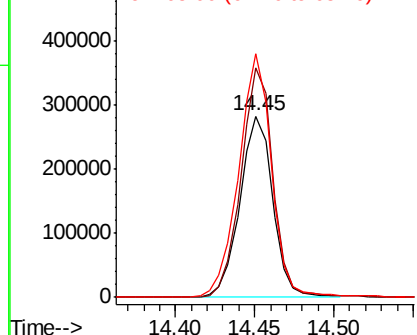
109 100

139 126.6 92.3 138.5

65 134.3 97.5 146.3



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



#54

2,4-Dinitrotoluene

Concen: 40.044 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

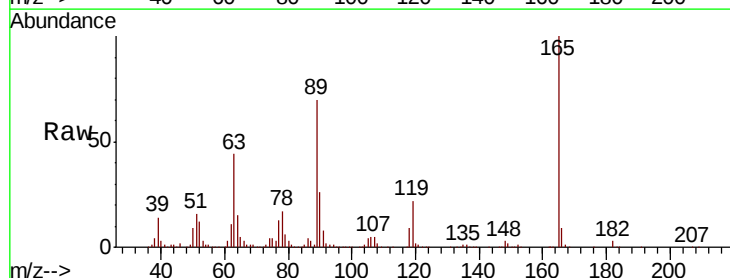
Tgt Ion:165 Resp: 850100

Ion Ratio Lower Upper

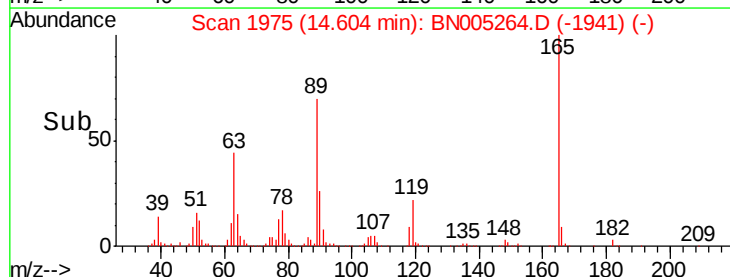
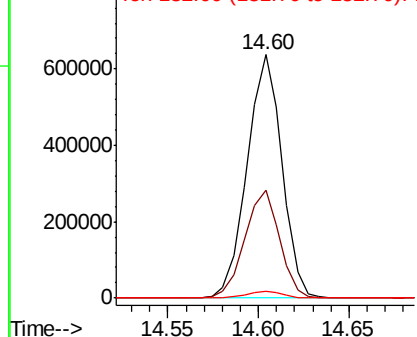
165 100

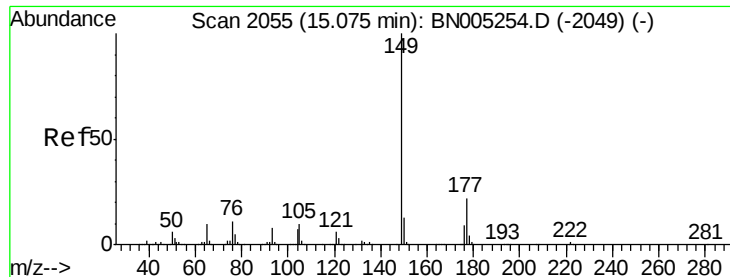
63 44.3 38.9 58.3

182 2.9 2.6 3.8



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: 1.087 ng/ul

RT: 15.07 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

Instrument :

BNA\_N

ClientSampleId :

GAHN8MSD

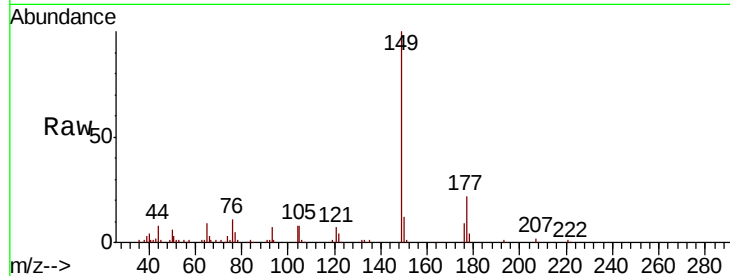
Tot Ion:149 Resp: 92973

Ion Ratio Lower Upper

149 100

177 22.3 17.7 26.5

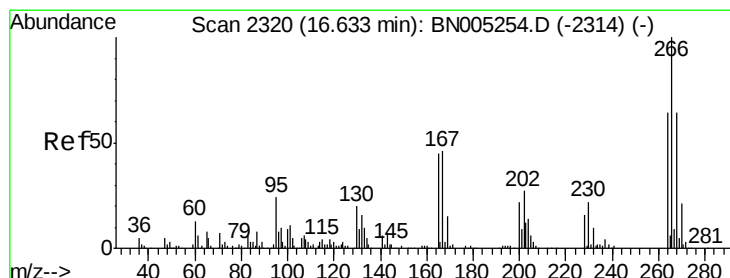
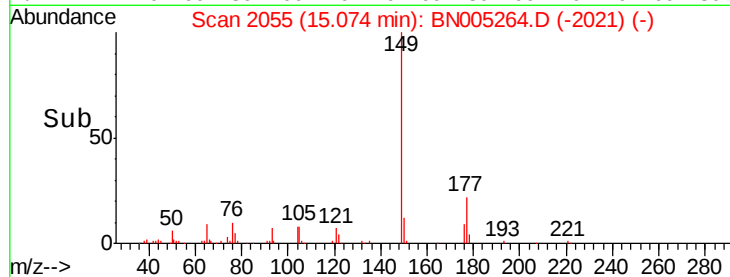
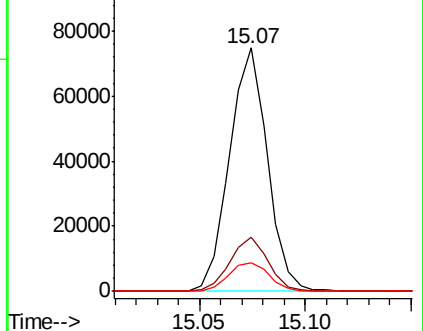
150 11.7 10.0 15.0



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: 33.336 ng/ul

RT: 16.63 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

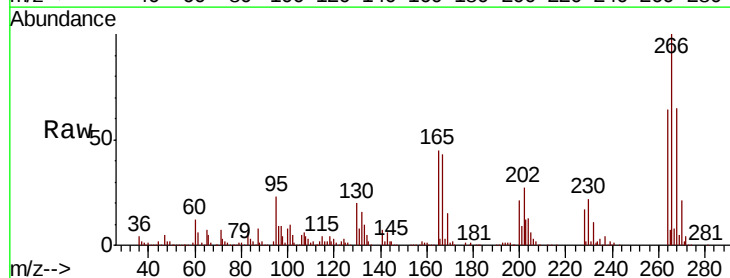
Tgt Ion:266 Resp: 551590

Ion Ratio Lower Upper

266 100

264 64.3 49.7 74.5

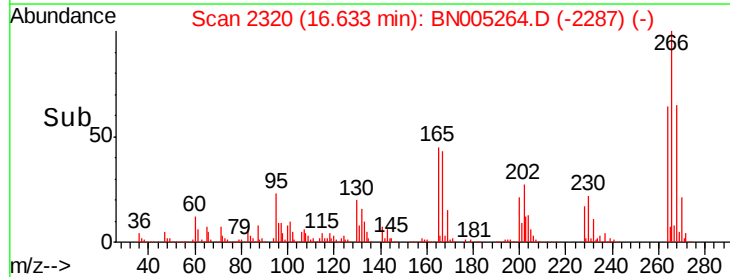
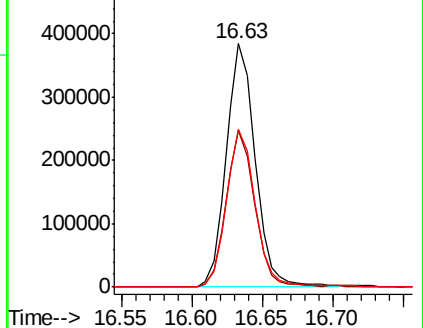
268 64.9 52.4 78.6

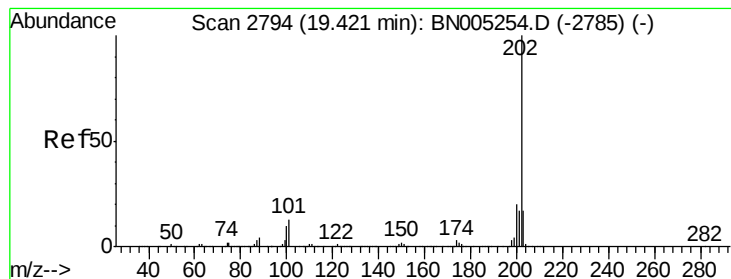


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#79

Pvrene

Concen: 38.119 ng/ul

RT: 19.43 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BN005264.D

Acq: 24 Apr 2019 23:21

Instrument :

BNA\_N

ClientSampleId :

GAHN8MSD

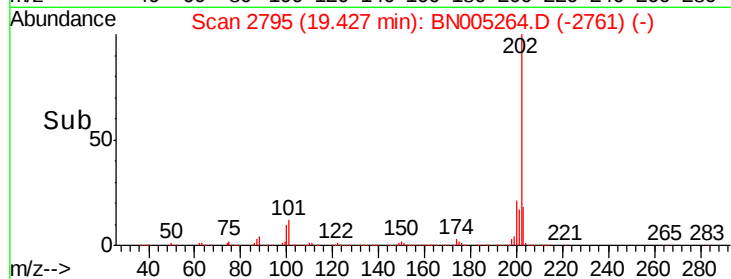
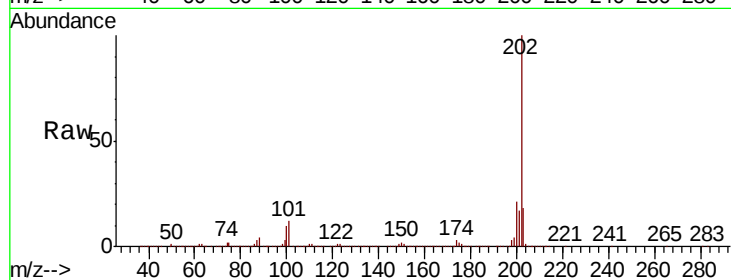
Tot Ion:202 Resp: 4493396

Ion Ratio Lower Upper

202 100

101 11.6 10.3 15.5

100 9.6 7.9 11.9



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

