

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100820\  
 Data File : BN012113.D  
 Acq On : 08 Oct 2020 21:33  
 Operator : CG/JU  
 Sample : L4259-04  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C5CF6

Quant Time: Oct 09 01:17:03 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100220.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 08 15:35:30 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 247445   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 1013634  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.29 | 164  | 636061   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.03 | 188  | 1344999  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.23 | 240  | 1344939  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.43 | 264  | 1382397  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 8342    | 1.47  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 135646  | 6.57  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 357833  | 28.20 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 392660  | 23.51 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 264282  | 16.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.79  | 128 | 234364  | 29.12 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 278070  | 31.94 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 468816  | 28.08 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 25828   | 1.31  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.70 | 166 | 1834484 | 36.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.97 | 160 | 2095168 | 35.18 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 59491   | 6.48  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.28 | 176 | 1503221 | 34.52 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 756508  | 88.13 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.13 | 188 | 2377529 | 36.45 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.43 | 212 | 2595762 | 36.70 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.29 | 264 | 2950037 | 38.03 | ng/ul | 0.00 |

## Target Compounds

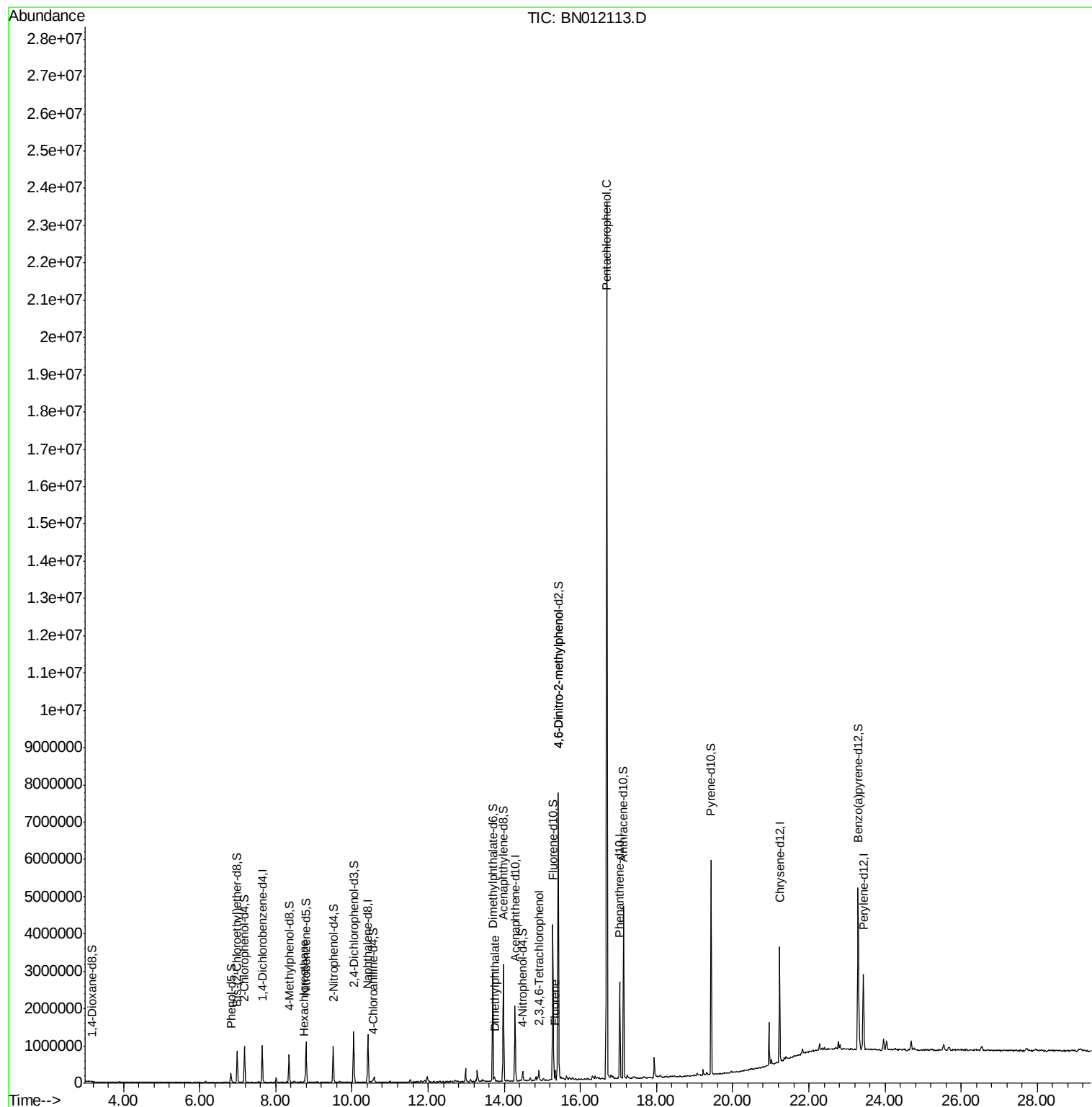
|                                |       |     |         |         | Ovalue |    |
|--------------------------------|-------|-----|---------|---------|--------|----|
| 17) Hexachloroethane           | 8.75  | 117 | 14453   | 1.839   | ng/ul# | 8  |
| 45) Dimethylphthalate          | 13.75 | 163 | 72886   | 1.418   | ng/ul  | 98 |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.91 | 232 | 42974   | 3.694   | ng/ul# | 91 |
| 59) Fluorene                   | 15.33 | 166 | 97926   | 1.904   | ng/ul  | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.42 | 198 | 1468157 | 157.247 | ng/ul# | 51 |
| 69) Pentachlorophenol          | 16.69 | 266 | 3870015 | 363.662 | ng/ul  | 98 |

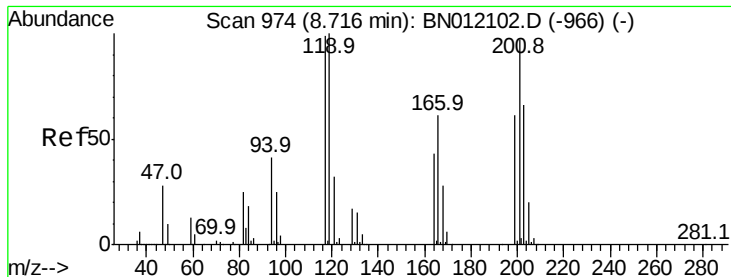
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Oct 08 15:35:30 2020  
Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.839 ng/ul

RT: 8.75 min Scan# 979

Delta R.T. 0.03 min

Lab File: BN012113.D

Acq: 08 Oct 2020 21:33

Instrument :

BNA\_N

ClientSampleId :

C5CF6

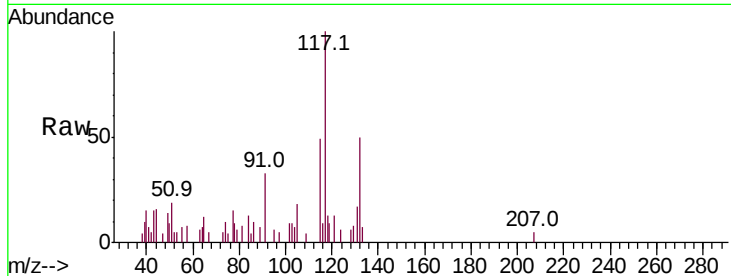
Tot Ion:117 Resp: 14453

Ion Ratio Lower Upper

117 100

201 0.0 78.6 117.8#

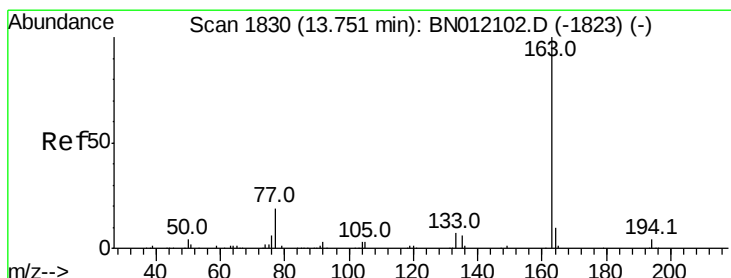
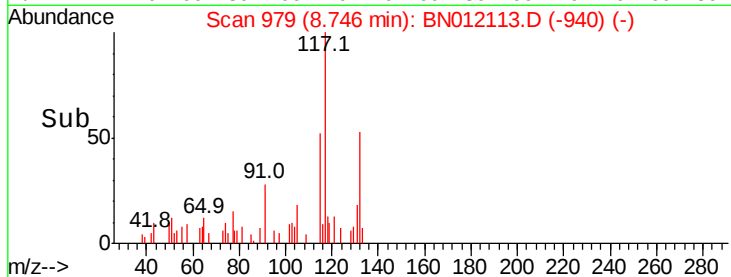
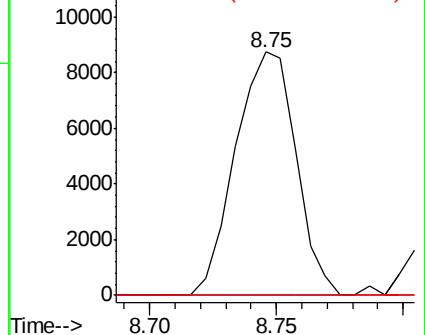
199 0.0 51.4 77.2#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#45

Dimethylphthalate

Concen: 1.418 ng/ul

RT: 13.75 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BN012113.D

Acq: 08 Oct 2020 21:33

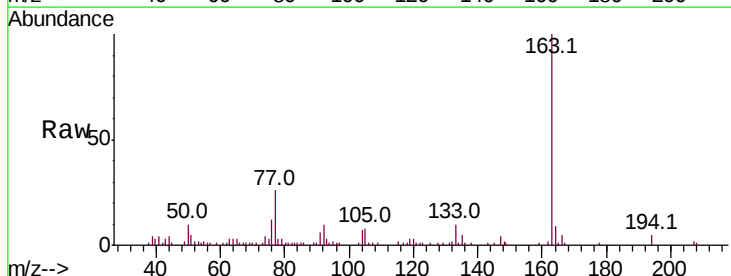
Tgt Ion:163 Resp: 72886

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.0

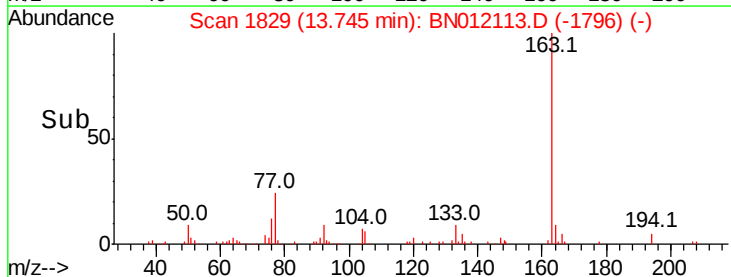
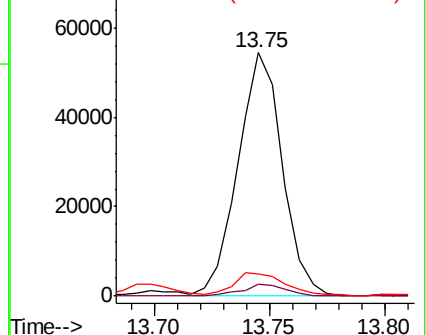
164 9.1 7.8 11.8

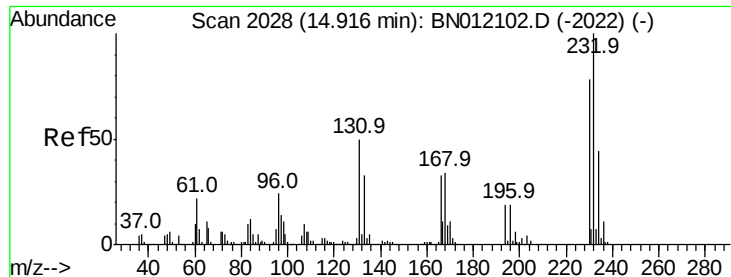


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#56

2,3,4,6-Tetrachlorophenol

Concen: 3.694 ng/ul

RT: 14.91 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BN012113.D

Acq: 08 Oct 2020 21:33

Instrument :

BNA\_N

ClientSampleId :

C5CF6

Tot Ion:232 Resp: 42974

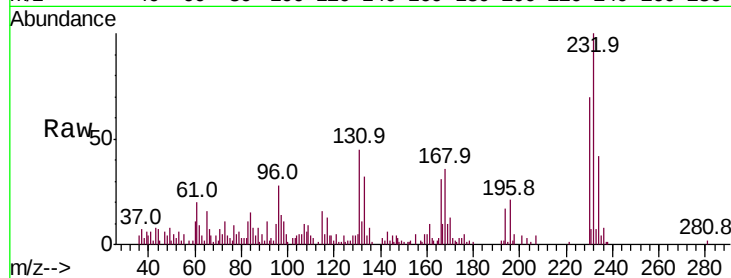
Ion Ratio Lower Upper

232 100

131 44.9 44.0 66.0

130 4.7 2.2 3.2#

166 31.4 26.1 39.1

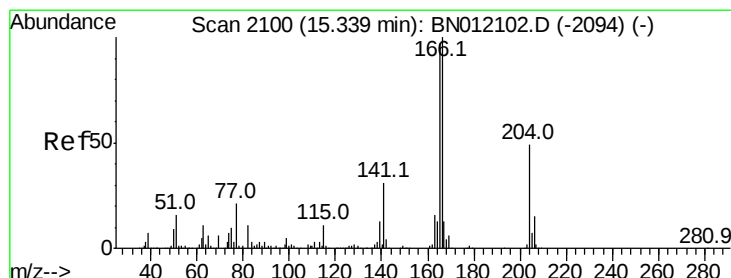
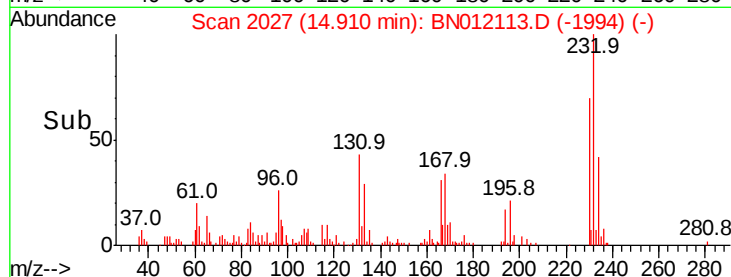
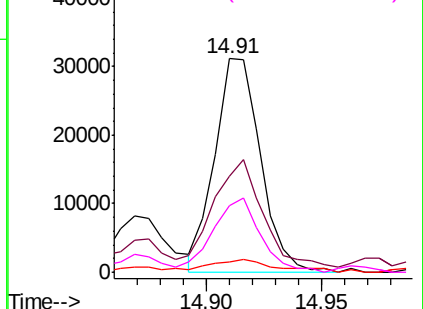


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#59

Fluorene

Concen: 1.904 ng/ul

RT: 15.33 min Scan# 2099

Delta R.T. -0.01 min

Lab File: BN012113.D

Acq: 08 Oct 2020 21:33

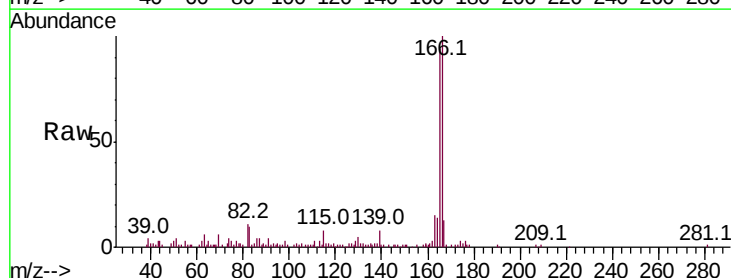
Tgt Ion:166 Resp: 97926

Ion Ratio Lower Upper

166 100

165 94.1 79.0 118.6

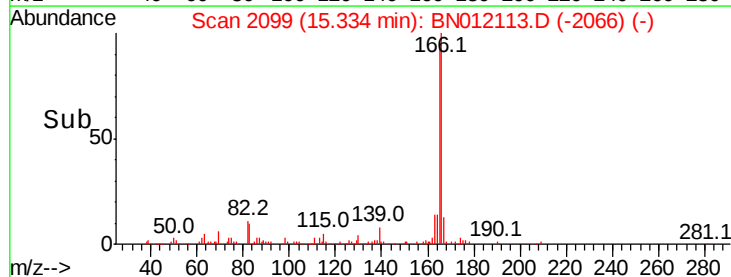
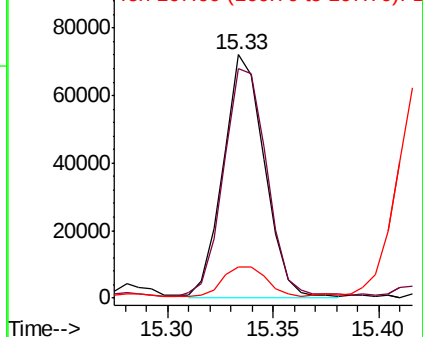
167 12.9 10.5 15.7

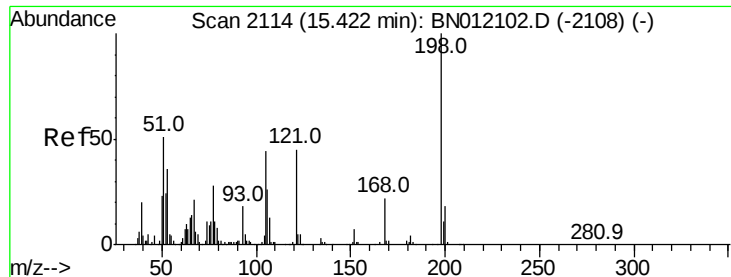


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

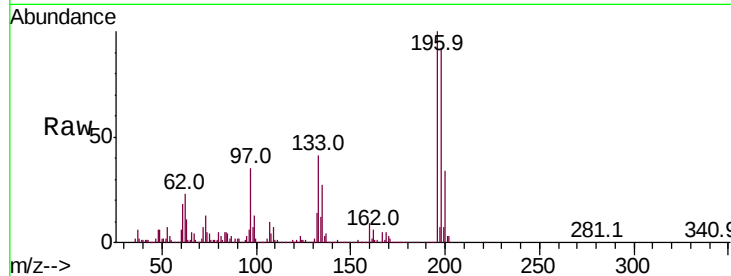




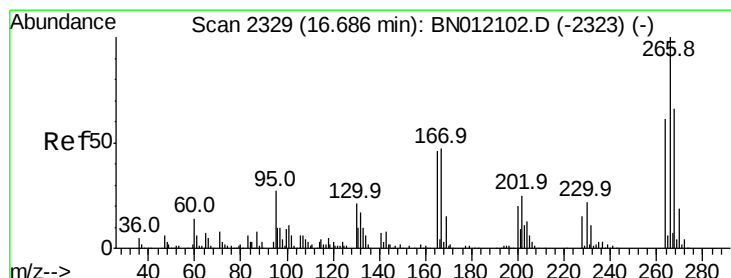
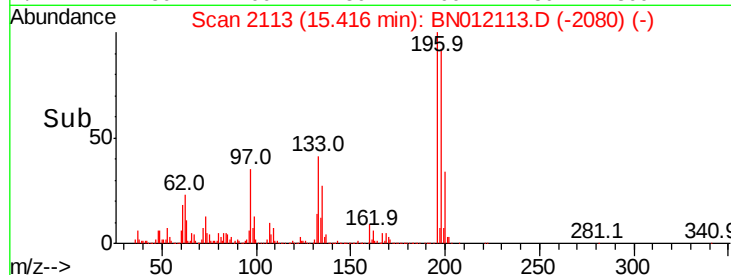
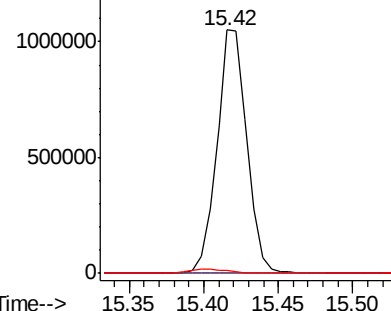
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 157.247 ng/ul  
 RT: 15.42 min Scan# 2113  
 Delta R.T. -0.01 min  
 Lab File: BN012113.D  
 Acq: 08 Oct 2020 21:33

Instrument :  
 BNA\_N  
 ClientSampled :  
 C5CF6

Tot Ion:198 Resp: 1468157  
 Ion Ratio Lower Upper  
 198 100  
 182 0.3 3.6 5.4#  
 77 1.0 24.5 36.7#

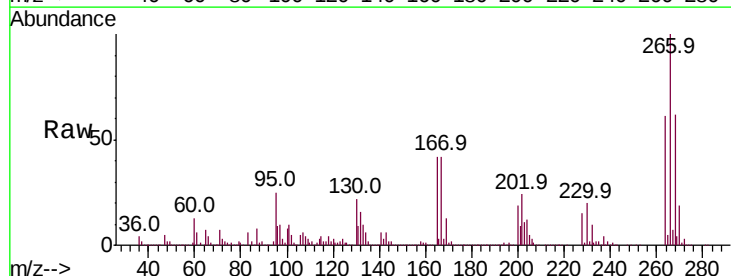


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 182.00 (181.70 to 182.70): E  
 Ion 77.00 (76.70 to 77.70): BNO



#69  
 Pentachlorophenol  
 Concen: 363.662 ng/ul  
 RT: 16.69 min Scan# 2330  
 Delta R.T. 0.01 min  
 Lab File: BN012113.D  
 Acq: 08 Oct 2020 21:33

Tgt Ion:266 Resp: 3870015  
 Ion Ratio Lower Upper  
 266 100  
 264 61.3 50.6 75.8  
 268 61.6 49.9 74.9



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

