

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101320\  
 Data File : BN012181.D  
 Acq On : 14 Oct 2020 04:28  
 Operator : CG/JU  
 Sample : L4359-09  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 CB7N9

Quant Time: Oct 14 05:55:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN100920.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Oct 14 05:54:37 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 287061   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 1159392  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 719426   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 1561141  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.22 | 240  | 1495340  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.42 | 264  | 1563907  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.17  | 96  | 36547   | 5.63  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.81  | 99  | 120090  | 4.85  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.97  | 67  | 293653  | 19.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 339470  | 17.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 228062  | 11.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 187864  | 19.95 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 218706  | 20.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 405863  | 20.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 438811  | 18.00 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 1414264 | 24.01 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 1639368 | 23.50 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.49 | 143 | 36398   | 3.31  | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.27 | 176 | 1157104 | 22.79 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 96900   | 9.37  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 1861481 | 24.36 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 2010441 | 25.76 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.27 | 264 | 2186134 | 24.77 | ng/ul | 0.00 |

## Target Compounds

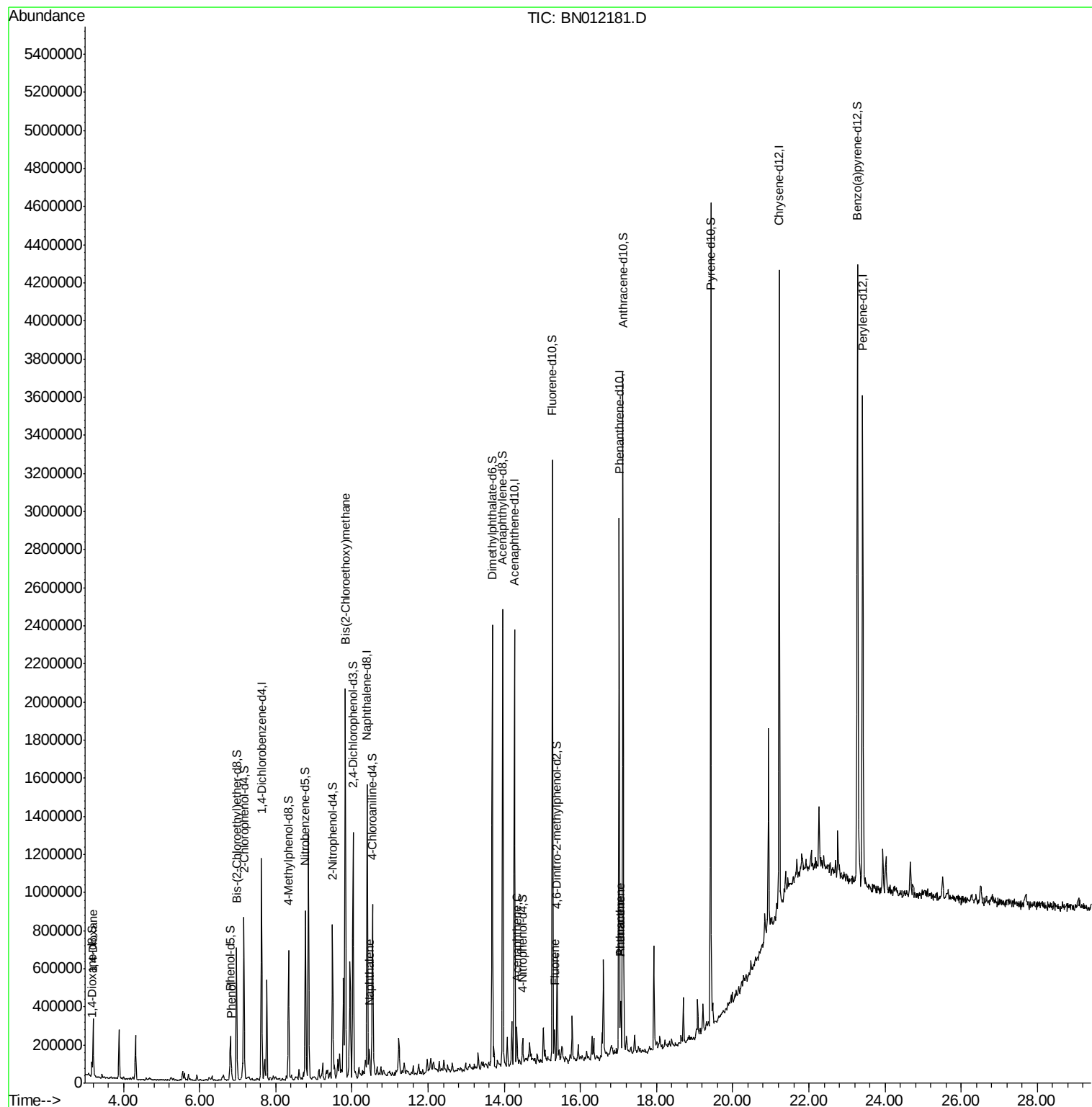
|                                |       |     |        | Ovalue |           |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.20  | 88  | 156573 | 21.305 | ng/uL 99  |
| 6) Phenol                      | 6.83  | 94  | 26612  | 1.019  | ng/ul# 87 |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93  | 73911  | 2.654  | ng/ul# 1  |
| 28) Naphthalene                | 10.45 | 128 | 81404  | 1.199  | ng/ul# 96 |
| 50) Acenaphthene               | 14.33 | 153 | 78837  | 1.539  | ng/ul 98  |
| 59) Fluorene                   | 15.32 | 166 | 68081  | 1.135  | ng/ul# 98 |
| 70) Phenanthrene               | 17.06 | 178 | 143474 | 1.506  | ng/ul 99  |
| 72) Anthracene                 | 17.06 | 178 | 144556 | 1.490  | ng/ul 99  |

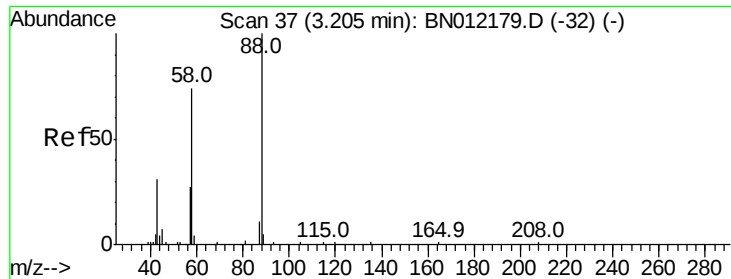
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 14 05:54:37 2020  
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#2

1,4-Dioxane

Concen: 21.305 ng/uL

RT: 3.20 min Scan# 37

Delta R.T. -0.00 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

Instrument :

BNA\_N

ClientSampleId :

CB7N9

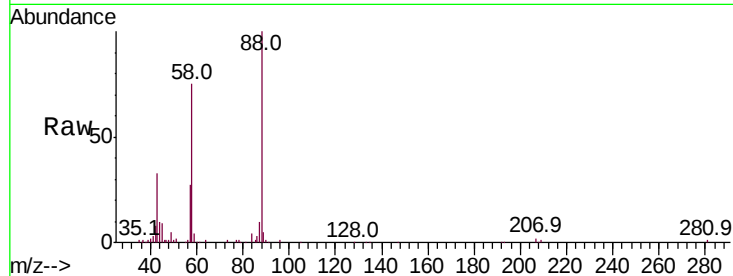
Tot Ion: 88 Resp: 156573

Ion Ratio Lower Upper

88 100

43 33.4 26.5 39.7

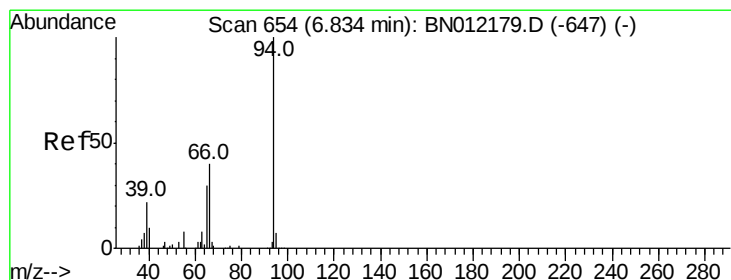
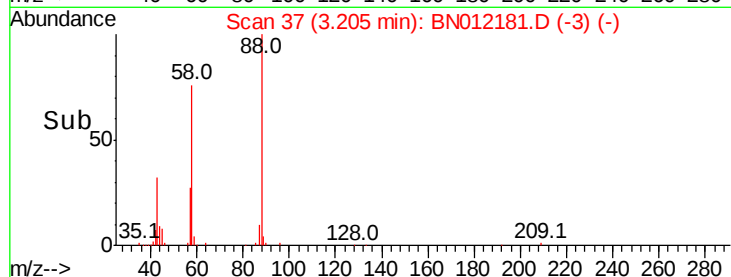
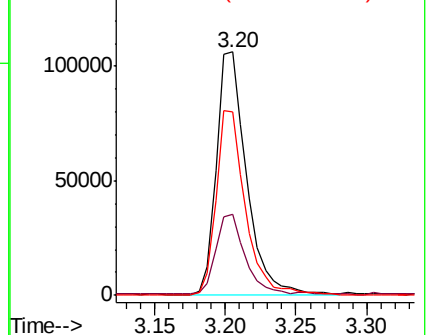
58 75.5 61.0 91.4



Abundance Ion 88.00 (87.70 to 88.70): BN0

Ion 43.00 (42.70 to 43.70): BN0

Ion 58.00 (57.70 to 58.70): BN0



#6

Phenol

Concen: 1.019 ng/uL

RT: 6.83 min Scan# 654

Delta R.T. -0.00 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

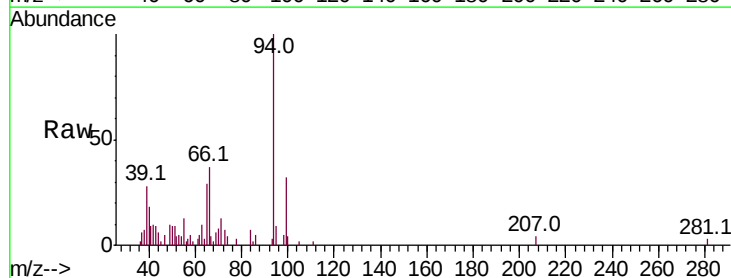
Tgt Ion: 94 Resp: 26612

Ion Ratio Lower Upper

94 100

65 29.2 26.8 40.2

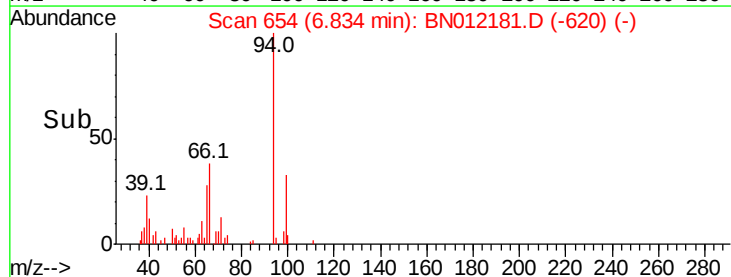
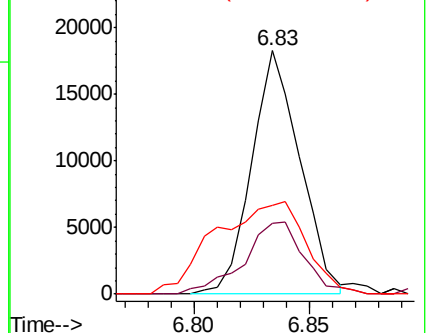
66 36.6 37.9 56.9#

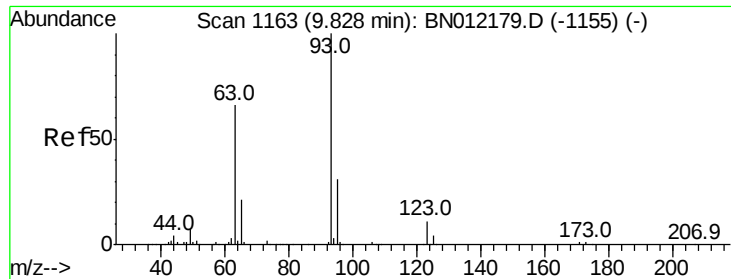


Abundance Ion 94.00 (93.70 to 94.70): BN0

Ion 65.00 (64.70 to 65.70): BN0

Ion 66.00 (65.70 to 66.70): BN0





#25

Bis(2-Chloroethoxy)methane

Concen: 2.654 ng/ul

RT: 9.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

Instrument :

BNA\_N

ClientSampleId :

CB7N9

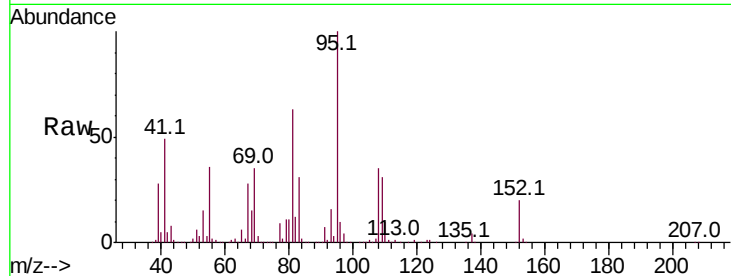
Tot Ion: 93 Resp: 73911

Ion Ratio Lower Upper

93 100

95 643.0 26.4 39.6#

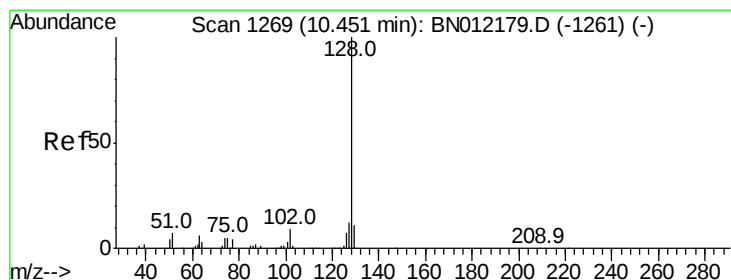
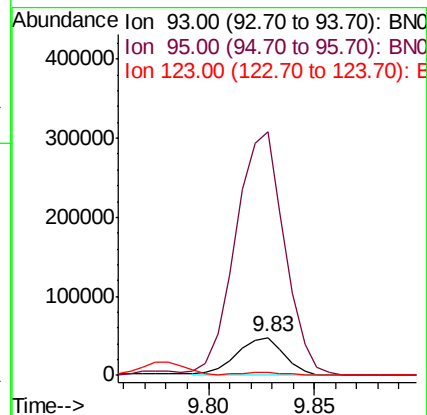
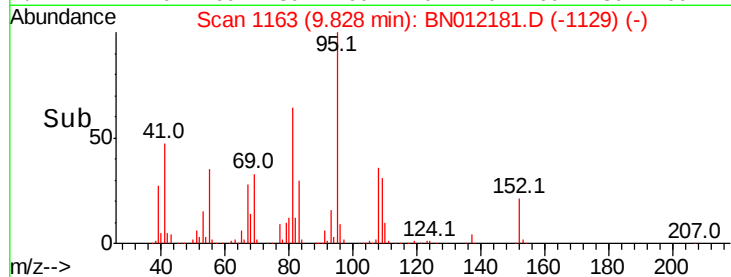
123 7.2 8.9 13.3#



Abundance Ion 93.00 (92.70 to 93.70): BN012179.D (-1155) (-)

Ion 95.00 (94.70 to 95.70): BN012179.D (-1155) (-)

Ion 123.00 (122.70 to 123.70): BN012179.D (-1155) (-)



#28

Naphthalene

Concen: 1.199 ng/ul

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

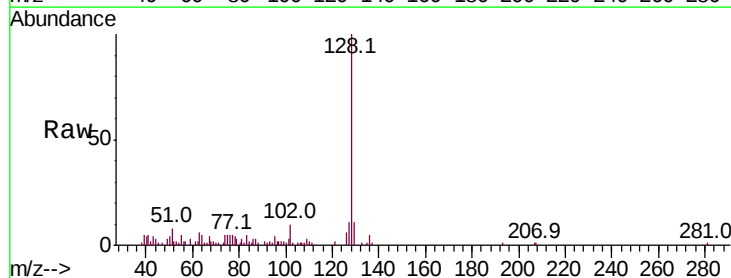
Tgt Ion:128 Resp: 81404

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

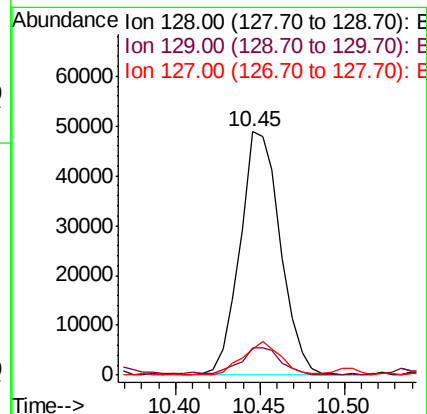
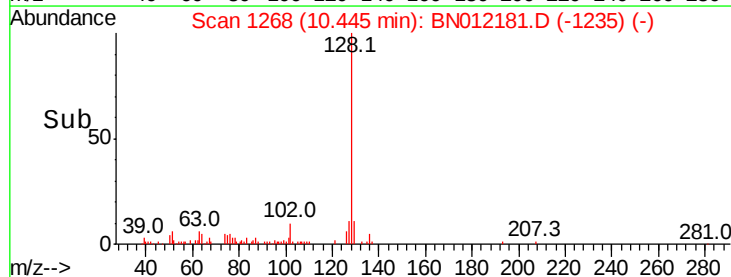
127 10.7 10.7 16.1#

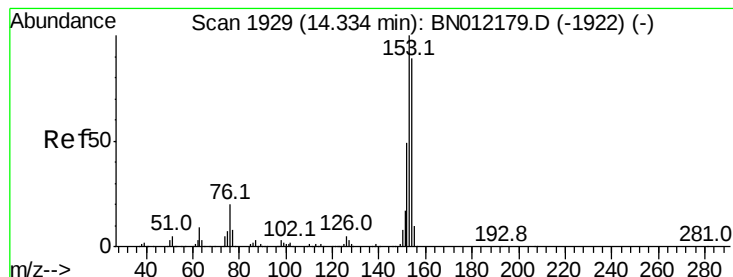


Abundance Ion 128.00 (127.70 to 128.70): BN012179.D (-1261) (-)

Ion 129.00 (128.70 to 129.70): BN012179.D (-1261) (-)

Ion 127.00 (126.70 to 127.70): BN012179.D (-1261) (-)





#50

Acenaphthene

Concen: 1.539 ng/ul

RT: 14.33 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

Instrument :

BNA\_N

ClientSampleId :

CB7N9

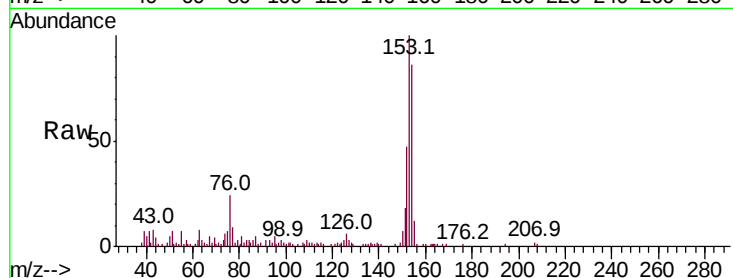
Tot Ion:153 Resp: 78837

Ion Ratio Lower Upper

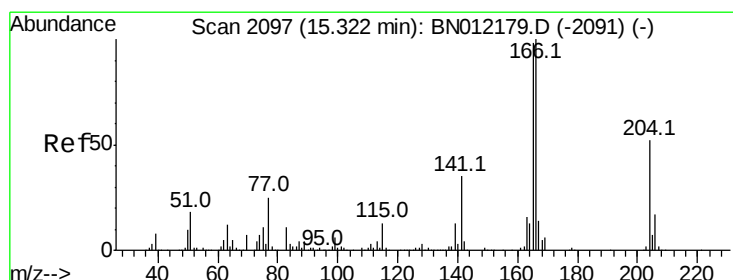
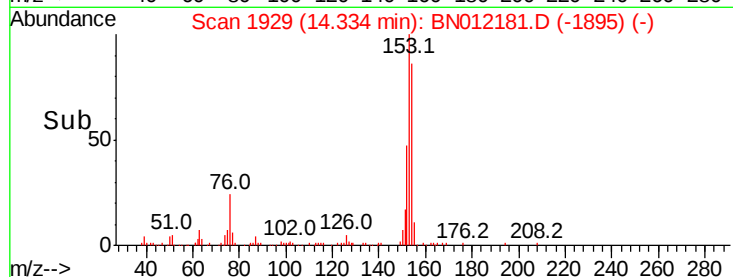
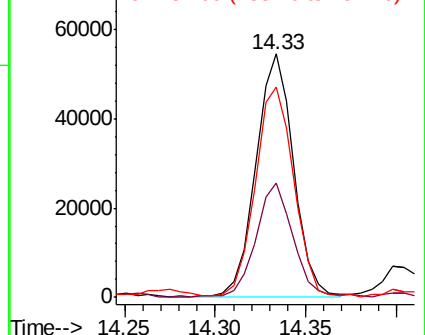
153 100

152 47.2 35.9 53.9

154 86.4 70.2 105.2



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



#59

Fluorene

Concen: 1.135 ng/ul

RT: 15.32 min Scan# 2097

Delta R.T. -0.01 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

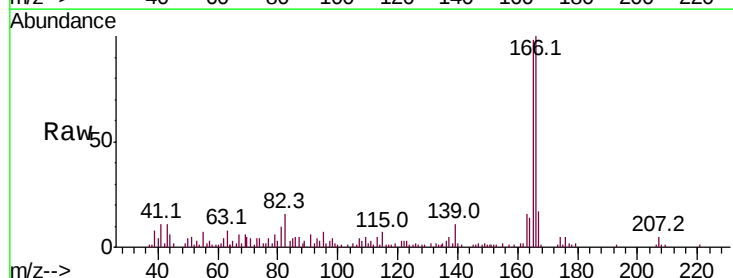
Tgt Ion:166 Resp: 68081

Ion Ratio Lower Upper

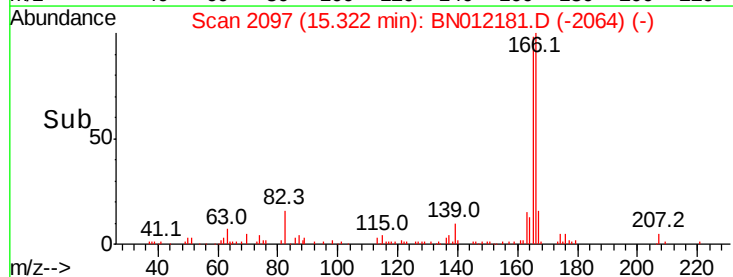
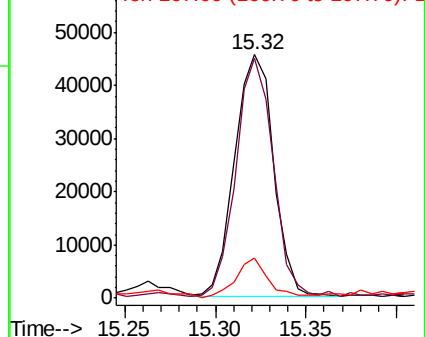
166 100

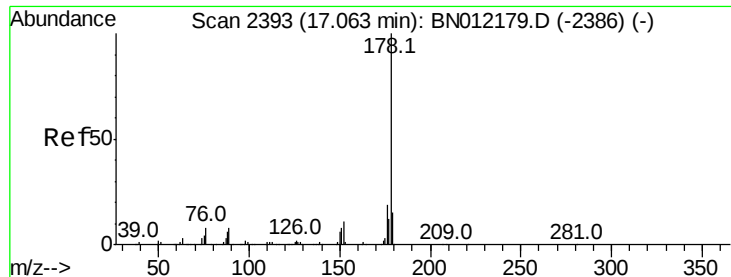
165 98.2 79.0 118.6

167 16.7 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





#70

Phenanthrene

Concen: 1.506 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

Instrument :

BNA\_N

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CB7N9

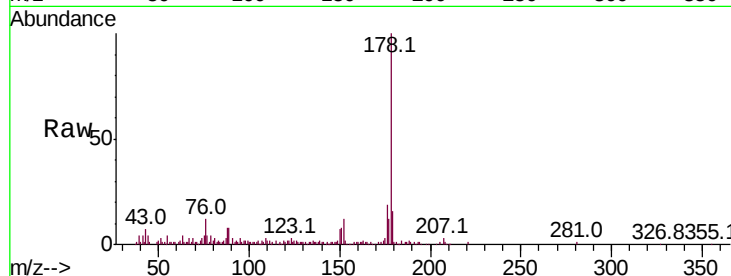
Tot Ion:178 Resp: 143474

Ion Ratio Lower Upper

178 100

179 15.7 12.2 18.2

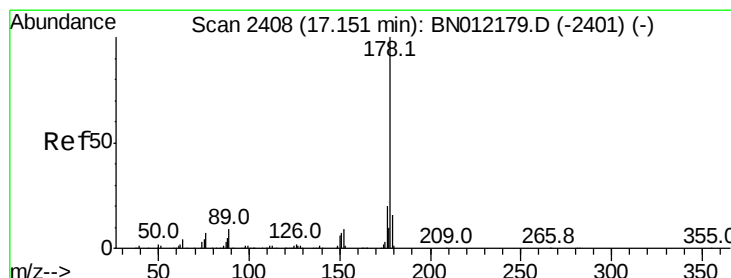
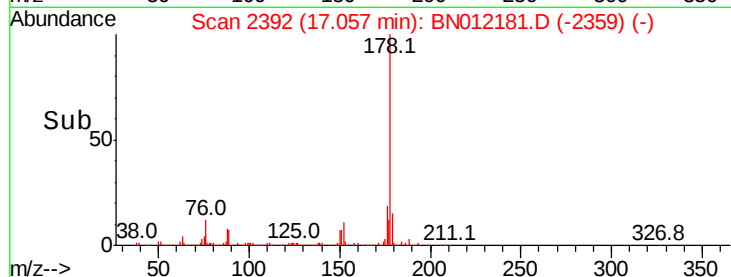
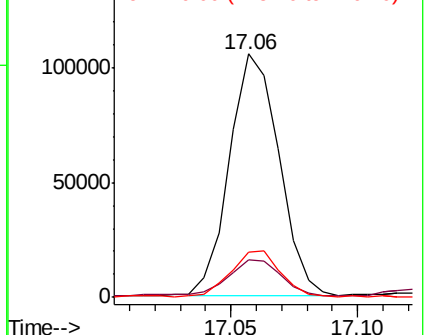
176 18.7 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 1.490 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. -0.10 min

Lab File: BN012181.D

Acq: 14 Oct 2020 04:28

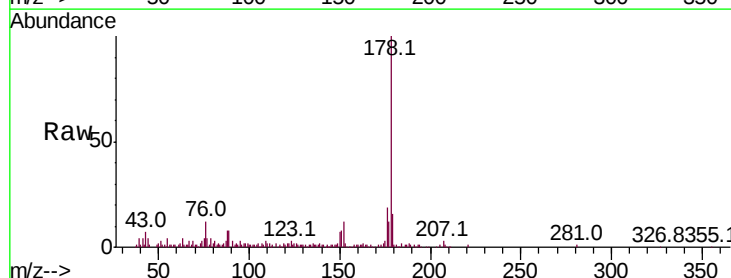
Tgt Ion:178 Resp: 144556

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

176 18.7 15.0 22.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

