

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082020\  
 Data File : BN011530.D  
 Acq On : 20 Aug 2020 18:30  
 Operator : CG/JU  
 Sample : L3668-13DL 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFX3DL

Quant Time: Aug 20 19:01:11 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 20 13:39:40 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 154813   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.17 | 136  | 616454   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 358924   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.82 | 188  | 813236   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.04 | 240  | 788913   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.14 | 264  | 705628   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d     | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 6.63  | 99  | 11995  | 1.10 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67  | 30026  | 5.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 41320  | 4.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.14  | 113 | 24173  | 2.72 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.56  | 128 | 24375  | 5.10 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.28  | 143 | 24397  | 4.54 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 52842  | 5.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.33 | 131 | 5601   | 0.46 | ng/ul | 0.01 |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 189280 | 6.77 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 209247 | 6.22 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 0.00  | 143 | 0d     | 0.00 | ng/ul |      |
| 58) Fluorene-d10               | 15.06 | 176 | 169673 | 6.94 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200 | 24867  | 4.61 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.91 | 188 | 274180 | 7.06 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.22 | 212 | 304929 | 7.52 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.01 | 264 | 267774 | 6.83 | ng/ul | 0.00 |

## Target Compounds

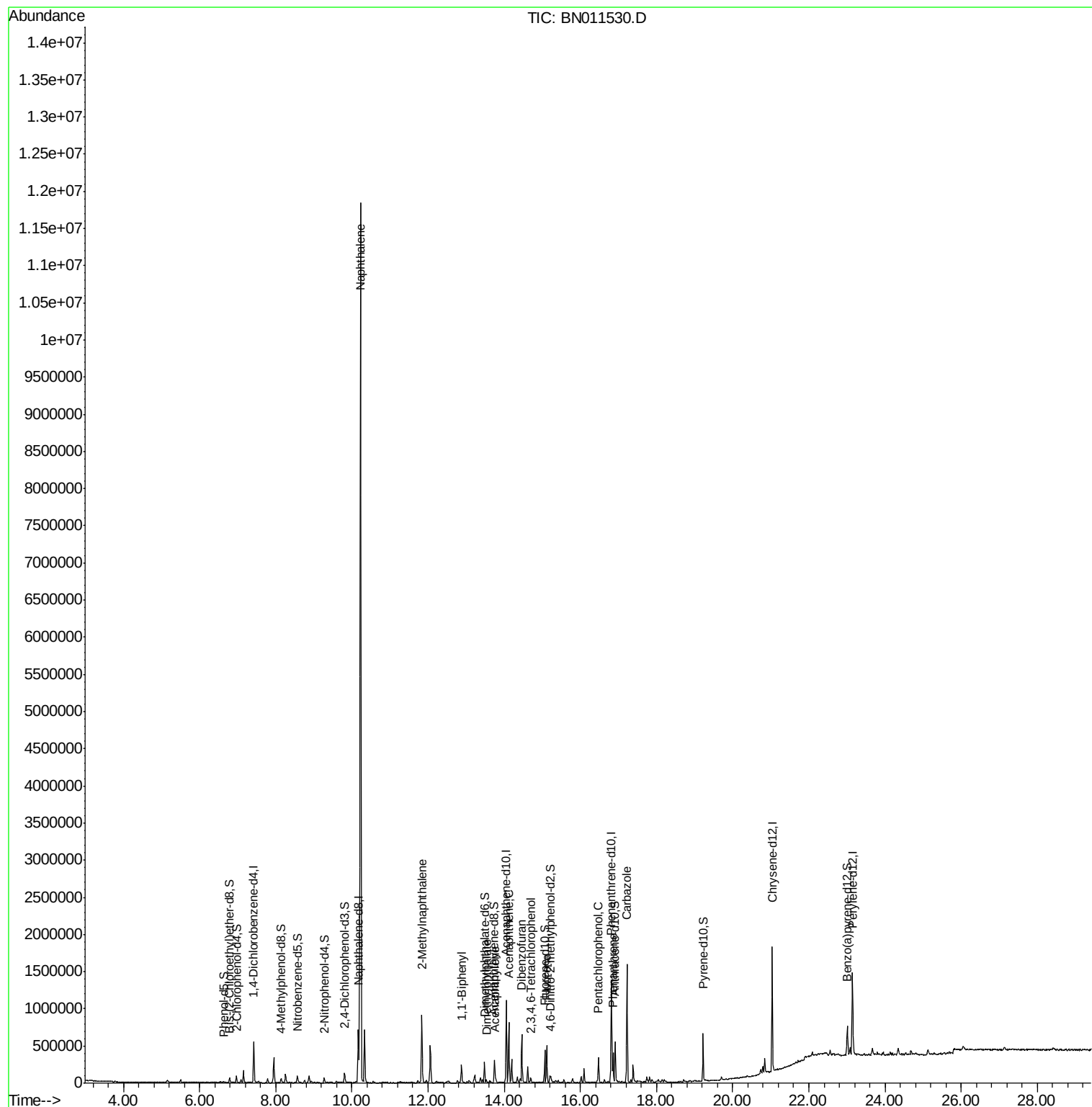
|                               |       |     |         |         | Ovalue |     |
|-------------------------------|-------|-----|---------|---------|--------|-----|
| 28) Naphthalene               | 10.23 | 128 | 9617603 | 279.561 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene       | 11.83 | 142 | 452266  | 19.179  | ng/ul  | 92  |
| 41) 1,1'-Biphenyl             | 12.88 | 154 | 131767  | 4.574   | ng/ul  | 98  |
| 45) Dimethylphthalate         | 13.53 | 163 | 29087   | 1.014   | ng/ul# | 98  |
| 48) Acenaphthylene            | 13.77 | 152 | 35080   | 1.007   | ng/ul# | 96  |
| 50) Acenaphthene              | 14.12 | 153 | 324989  | 13.327  | ng/ul  | 99  |
| 54) Dibenzofuran              | 14.46 | 168 | 406600  | 11.497  | ng/ul  | 98  |
| 56) 2,3,4,6-Tetrachlorophenol | 14.70 | 232 | 13471   | 2.021   | ng/ul# | 91  |
| 59) Fluorene                  | 15.12 | 166 | 217781  | 7.640   | ng/ul  | 100 |
| 69) Pentachlorophenol         | 16.47 | 266 | 33175   | 5.621   | ng/ul  | 84  |
| 70) Phenanthrene              | 16.86 | 178 | 228704  | 4.741   | ng/ul  | 97  |
| 75) Carbazole                 | 17.22 | 167 | 994886  | 24.215  | ng/ul  | 99  |

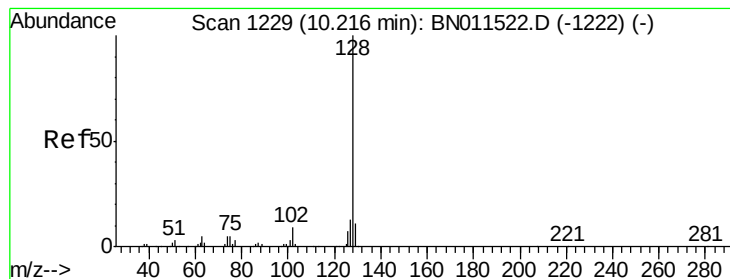
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 20 13:39:40 2020  
Response via : Initial Calibration





#28

Naphthalene

Concen: 279.561 ng/ul

RT: 10.23 min Scan# 1231

Delta R.T. 0.01 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

Instrument :

BNA\_N

ClientSampleId :

DBFX3DL

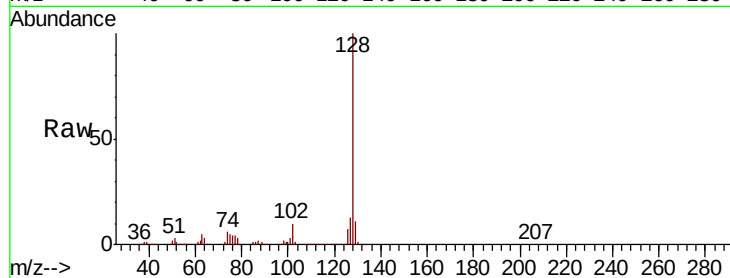
Tot Ion:128 Resp: 9617603

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

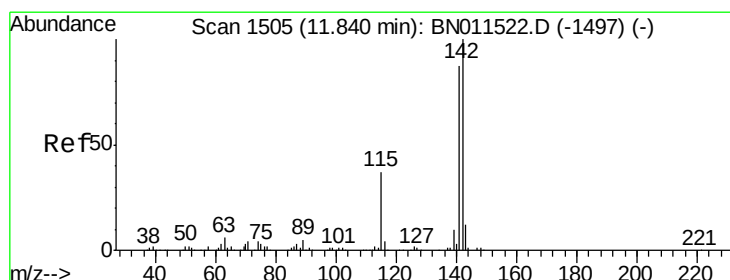
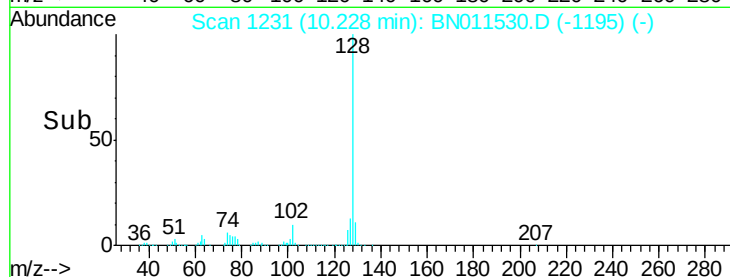
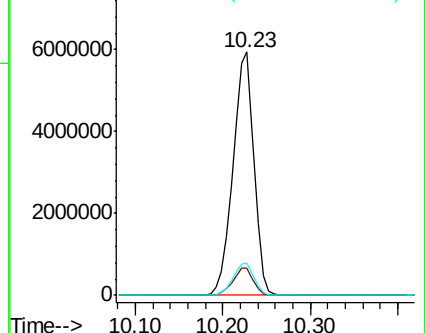
127 13.4 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 19.179 ng/ul

RT: 11.83 min Scan# 1504

Delta R.T. -0.01 min

Lab File: BN011530.D

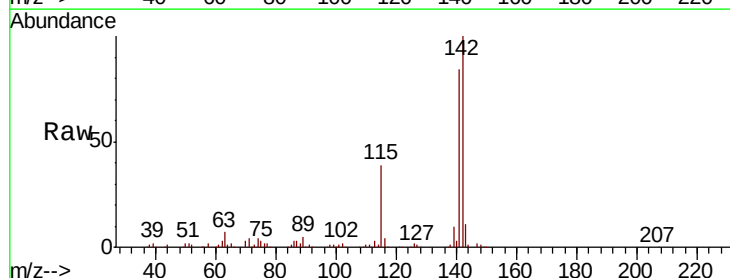
Acq: 20 Aug 2020 18:30

Tgt Ion:142 Resp: 452266

Ion Ratio Lower Upper

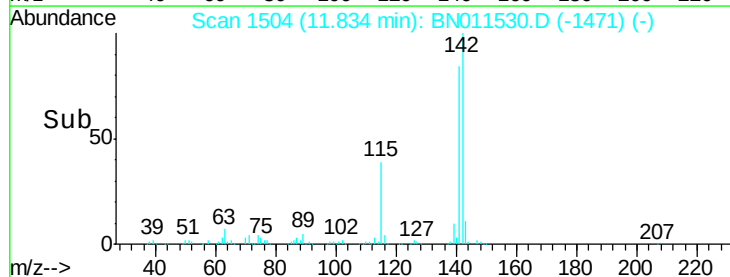
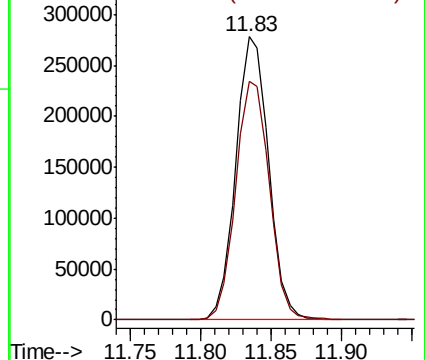
142 100

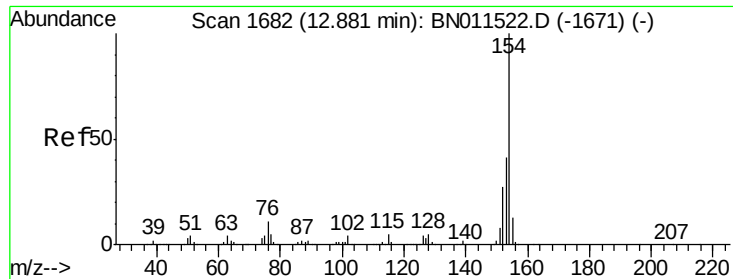
141 84.3 73.2 109.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

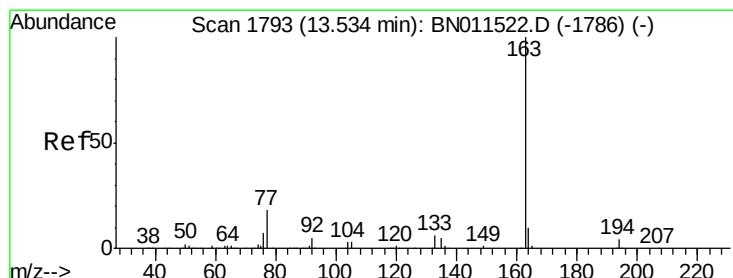
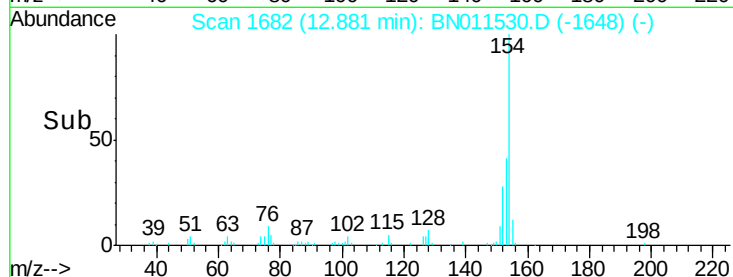
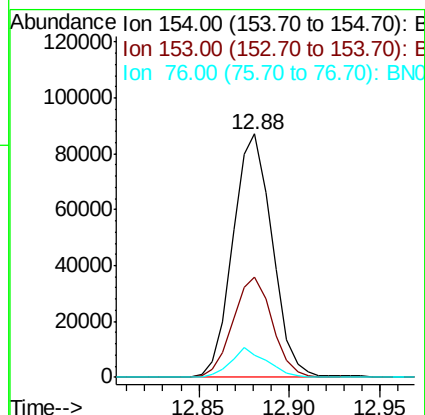
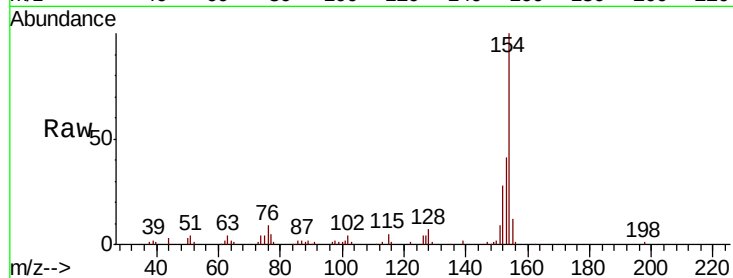




#41  
 1,1'-Biphenyl  
 Concen: 4.574 ng/ul  
 RT: 12.88 min Scan# 1682  
 Delta R.T. -0.00 min  
 Lab File: BN011530.D  
 Acq: 20 Aug 2020 18:30

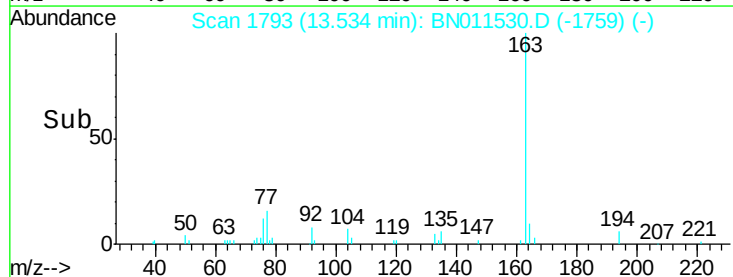
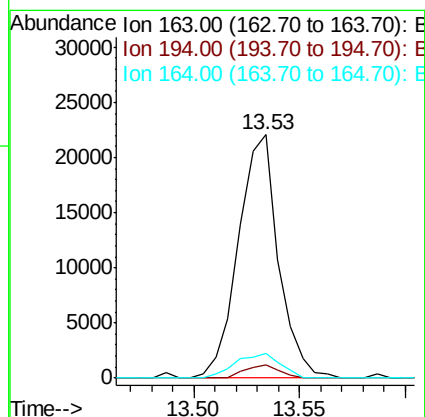
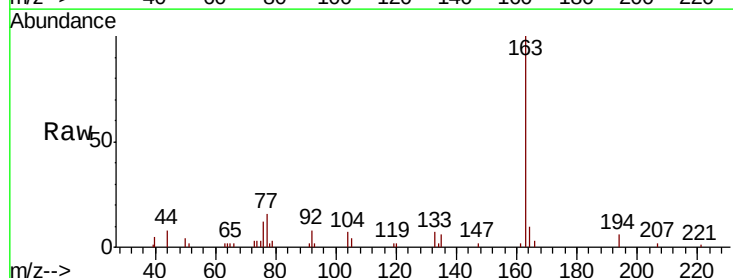
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFX3DL

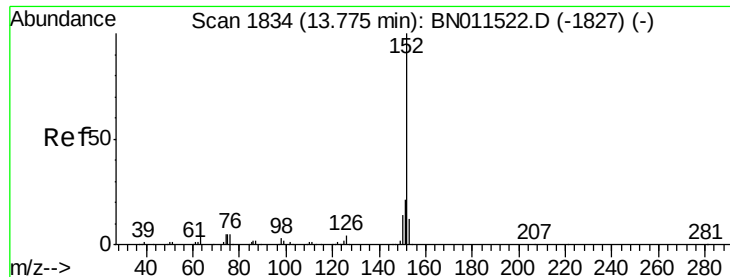
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:154 | Resp: | 131767    |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 41.3  | 32.3 48.5 |
| 76          | 9.4   | 8.5 12.7  |



#45  
 Dimethylphthalate  
 Concen: 1.014 ng/ul  
 RT: 13.53 min Scan# 1793  
 Delta R.T. -0.00 min  
 Lab File: BN011530.D  
 Acq: 20 Aug 2020 18:30

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 29087    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 5.6   | 3.8 5.6# |
| 164         | 10.2  | 8.7 13.1 |





#48

Acenaphthylene

Concen: 1.007 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

Instrument :

BNA\_N

ClientSampleId :

DBFX3DL

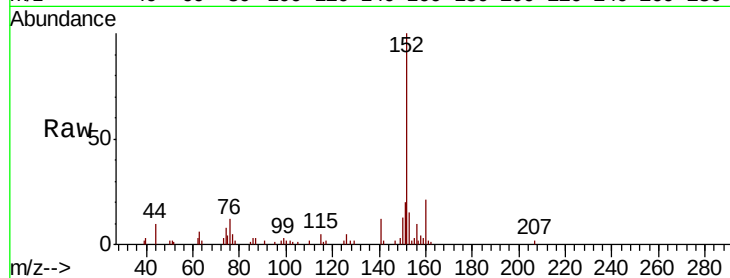
Tot Ion:152 Resp: 35080

Ion Ratio Lower Upper

152 100

151 20.4 15.4 23.2

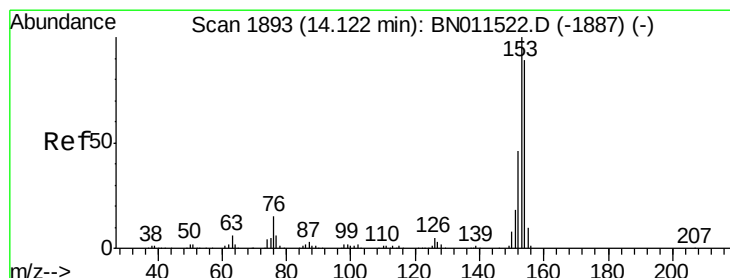
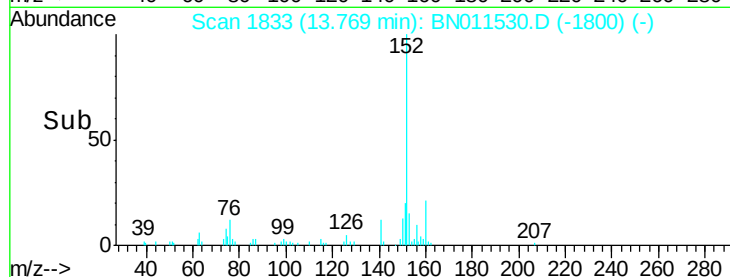
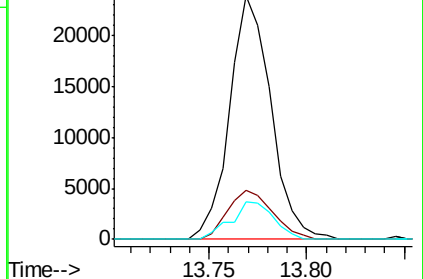
153 15.5 9.9 14.9#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 13.327 ng/ul

RT: 14.12 min Scan# 1893

Delta R.T. -0.00 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

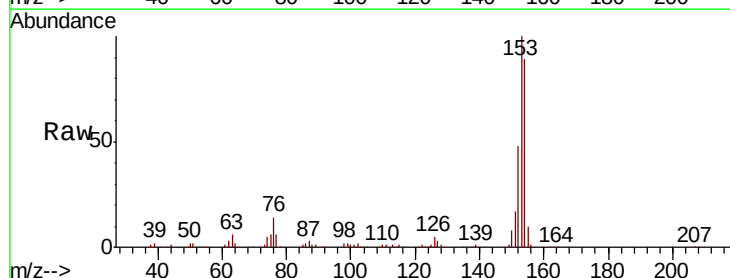
Tgt Ion:153 Resp: 324989

Ion Ratio Lower Upper

153 100

152 48.0 37.6 56.4

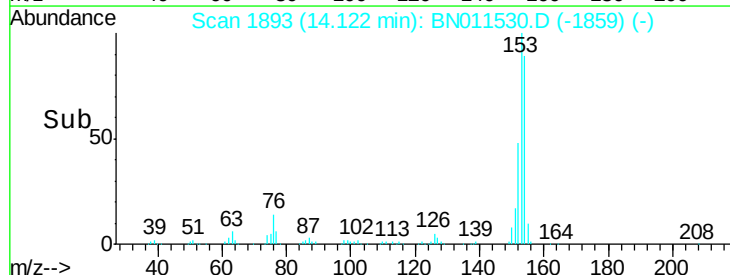
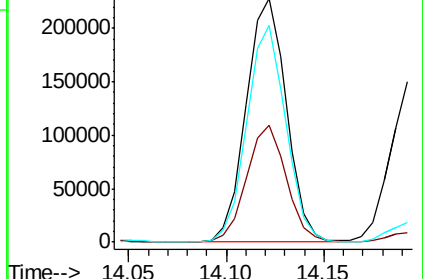
154 88.8 72.0 108.0

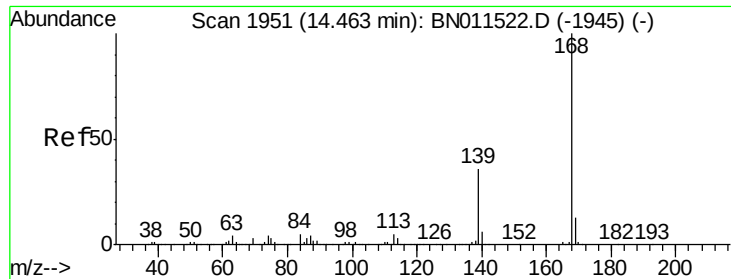


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzo-furan

Concen: 11.497 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

Instrument :

BNA\_N

ClientSampleId :

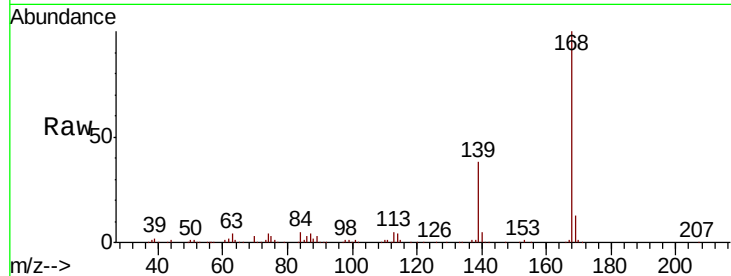
DBFX3DL

Tot Ion:168 Resp: 406600

Ion Ratio Lower Upper

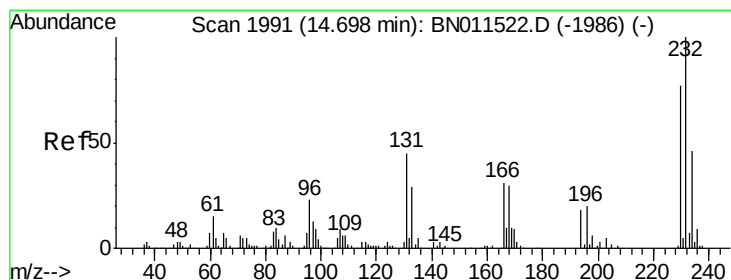
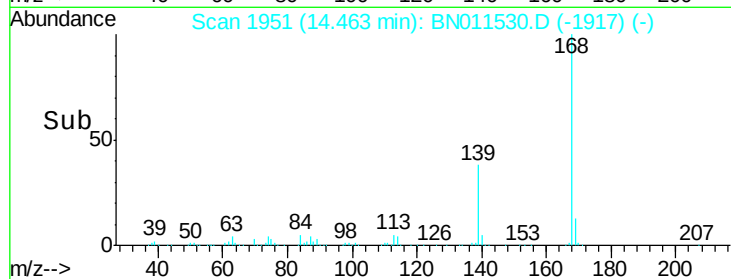
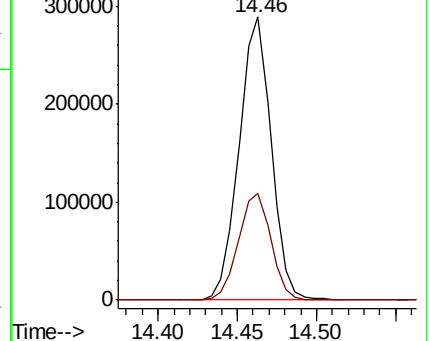
168 100

139 37.7 31.1 46.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#56

2,3,4,6-Tetrachlorophenol

Concen: 2.021 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

Tgt Ion:232 Resp: 13471

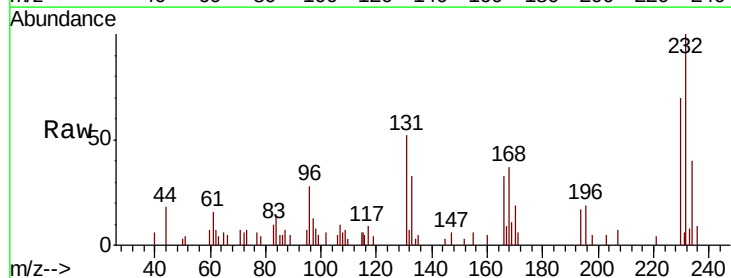
Ion Ratio Lower Upper

232 100

131 51.9 35.8 53.6

130 0.0 2.2 3.2#

166 33.3 24.1 36.1

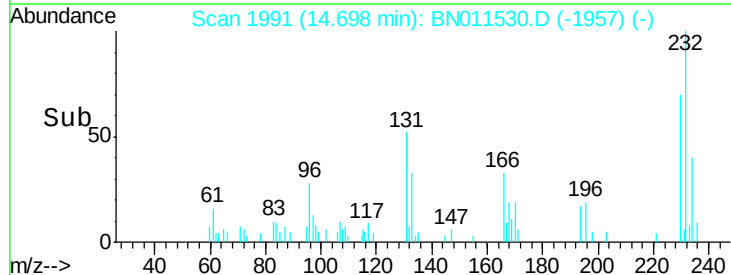
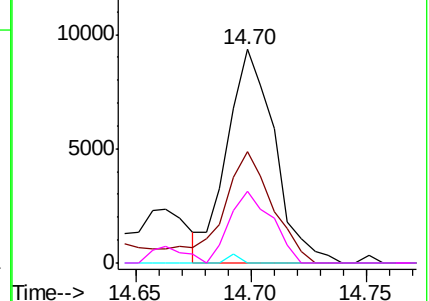


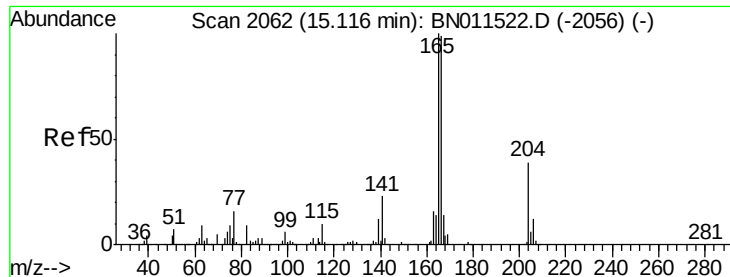
Abundance Ion 232.00 (231.70 to 232.70): E

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: 7.640 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. -0.00 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

Instrument :

BNA\_N

ClientSampleId :

DBFX3DL

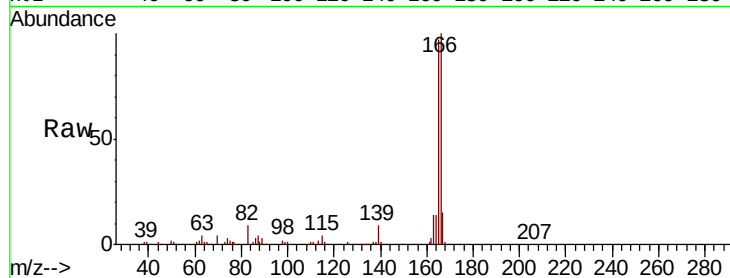
Tot Ion:166 Resp: 217781

Ion Ratio Lower Upper

166 100

165 97.0 78.0 117.0

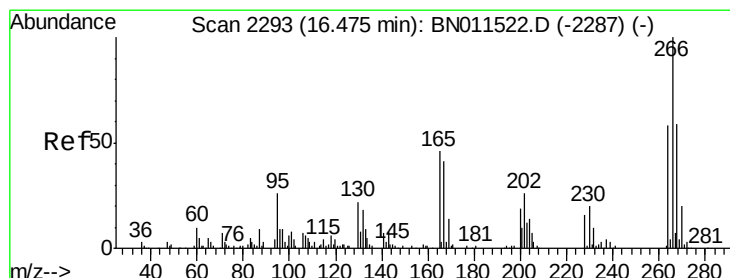
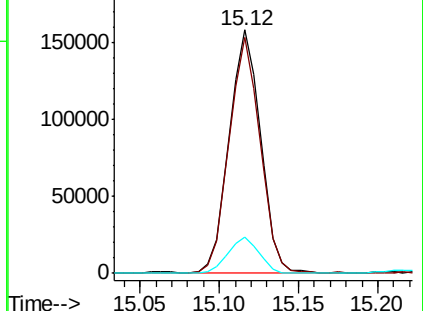
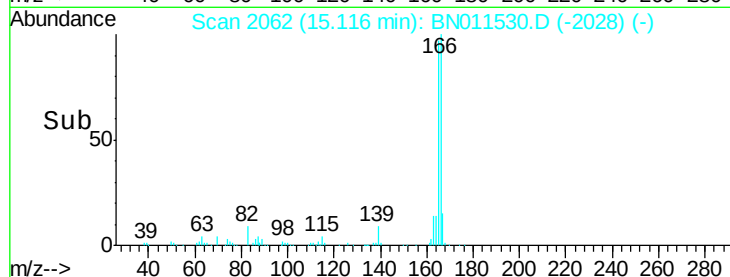
167 14.9 11.9 17.9



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



#69

Pentachlorophenol

Concen: 5.621 ng/ul

RT: 16.47 min Scan# 2293

Delta R.T. -0.00 min

Lab File: BN011530.D

Acq: 20 Aug 2020 18:30

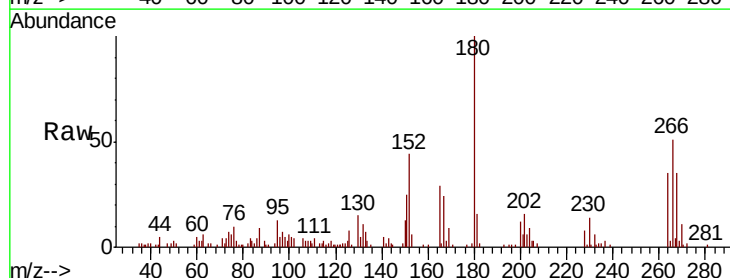
Tgt Ion:266 Resp: 33175

Ion Ratio Lower Upper

266 100

264 68.8 67.9 101.9

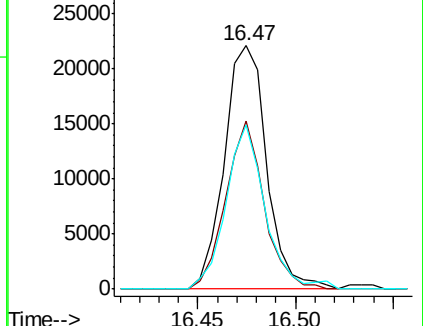
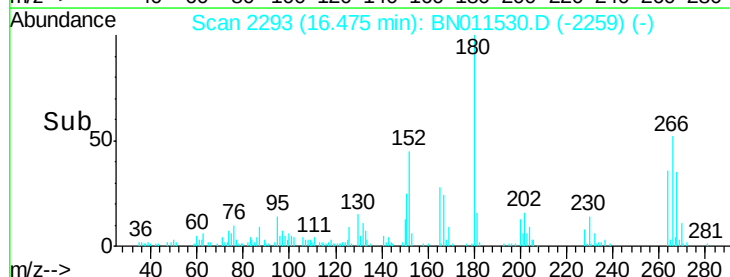
268 67.6 63.4 95.2

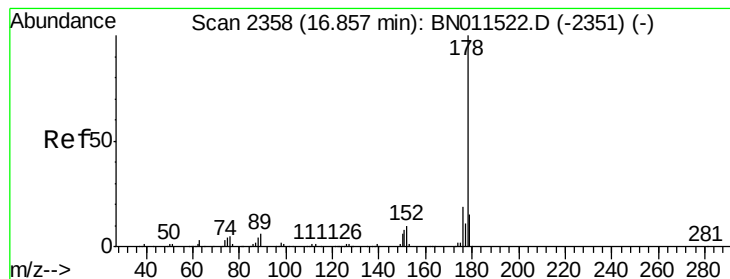


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 4.741 ng/ul

RT: 16.86 min Scan# 2358

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

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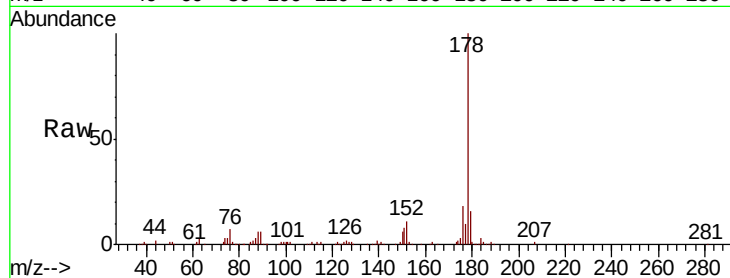
Tot Ion:178 Resp: 228704

Ion Ratio Lower Upper

178 100

179 16.2 13.1 19.7

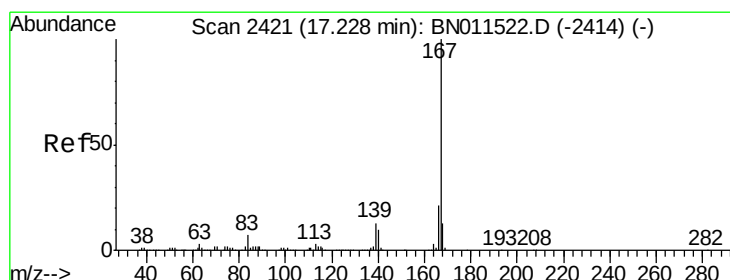
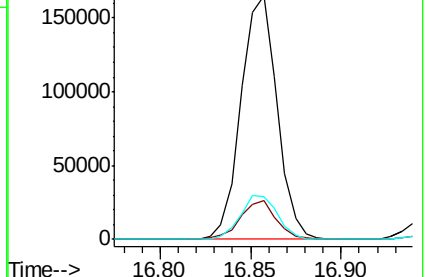
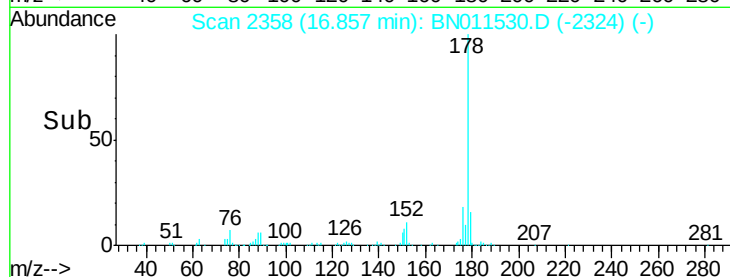
176 17.6 15.7 23.5



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



#75

Carbazole

Concen: 24.215 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BN011530.D

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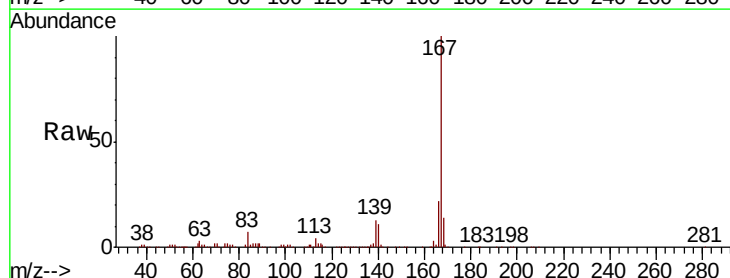
Tgt Ion:167 Resp: 994886

Ion Ratio Lower Upper

167 100

166 22.1 17.2 25.8

139 13.2 10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

