

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082020\  
 Data File : BN011534.D  
 Acq On : 20 Aug 2020 21:29  
 Operator : CG/JU  
 Sample : L3668-17  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFW8

Quant Time: Aug 21 03:48:34 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Aug 21 03:13:08 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 128807   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.17 | 136  | 507519   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.06 | 164  | 330118   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.82 | 188  | 740986   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.03 | 240  | 751611   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.14 | 264  | 722727   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.11  | 96  | 17856   | 6.65  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.63  | 99  | 62482   | 6.86  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.78  | 67  | 154573  | 33.29 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.97  | 132 | 208768  | 25.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.13  | 113 | 109833  | 14.85 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.56  | 128 | 117782  | 29.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.27  | 143 | 136739  | 30.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.80  | 165 | 224797  | 26.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.32 | 131 | 22278   | 2.23  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.48 | 166 | 827242  | 32.18 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.74 | 160 | 927738  | 29.99 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.29 | 143 | 22277   | 5.12  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.06 | 176 | 719836  | 31.99 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200 | 129559  | 26.36 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.91 | 188 | 1194441 | 33.74 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.22 | 212 | 1383074 | 35.82 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.01 | 264 | 1287184 | 32.07 | ng/ul | 0.00 |

## Target Compounds

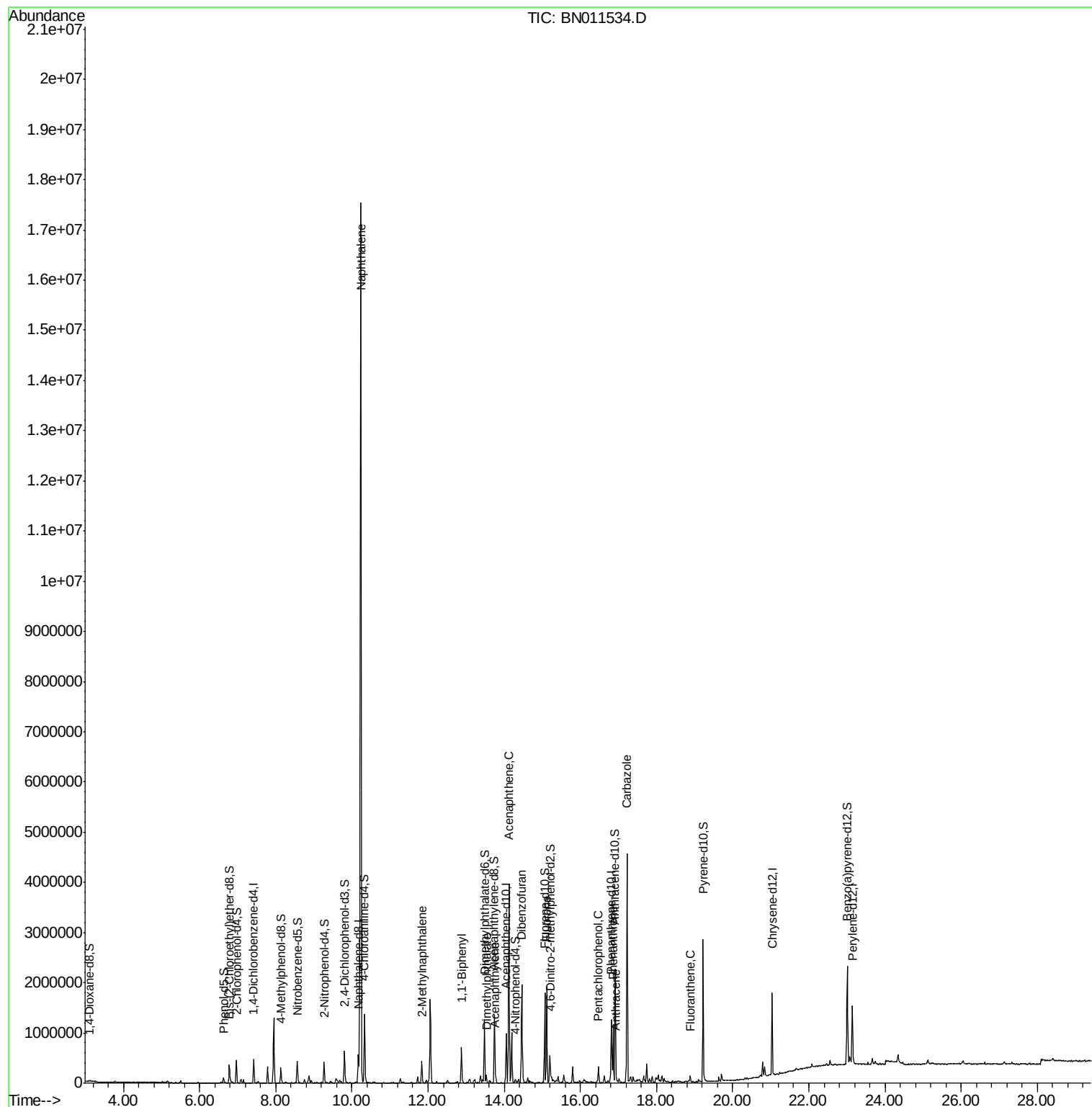
|                         |       |     |          |         | Ovalue    |
|-------------------------|-------|-----|----------|---------|-----------|
| 28) Naphthalene         | 10.23 | 128 | 15295435 | 540.033 | ng/ul 97  |
| 34) 2-Methylnaphthalene | 11.83 | 142 | 195675   | 10.079  | ng/ul 97  |
| 41) 1,1'-Biphenyl       | 12.88 | 154 | 383281   | 14.467  | ng/ul 98  |
| 45) Dimethylphthalate   | 13.53 | 163 | 100725   | 3.818   | ng/ul 99  |
| 48) Acenaphthylene      | 13.77 | 152 | 78237    | 2.442   | ng/ul 93  |
| 50) Acenaphthene        | 14.12 | 153 | 1520136  | 67.777  | ng/ul 99  |
| 54) Dibenzofuran        | 14.46 | 168 | 1182144  | 36.343  | ng/ul 97  |
| 59) Fluorene            | 15.12 | 166 | 777843   | 29.670  | ng/ul 100 |
| 69) Pentachlorophenol   | 16.47 | 266 | 13216    | 2.458   | ng/ul# 86 |
| 70) Phenanthrene        | 16.86 | 178 | 666605   | 15.167  | ng/ul 98  |
| 72) Anthracene          | 16.95 | 178 | 62893    | 1.413   | ng/ul 97  |
| 75) Carbazole           | 17.23 | 167 | 2742019  | 73.246  | ng/ul 99  |
| 77) Fluoranthene        | 18.89 | 202 | 67664    | 1.258   | ng/ul 97  |

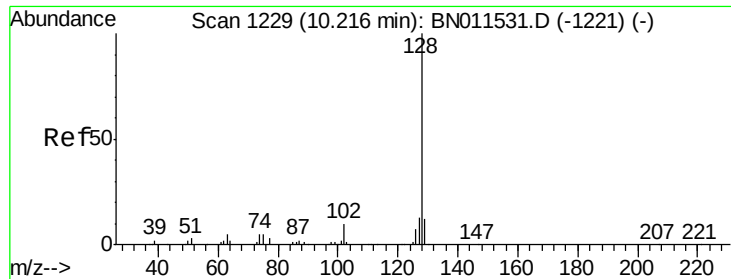
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Aug 21 03:13:08 2020  
Response via : Initial Calibration

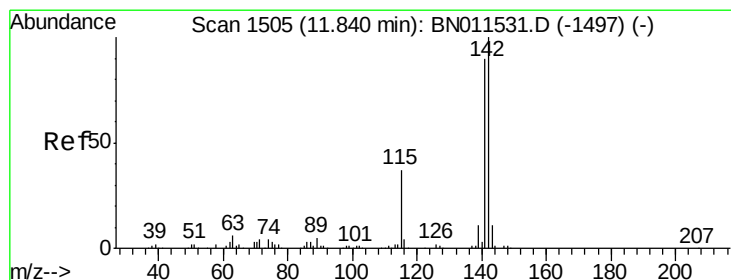
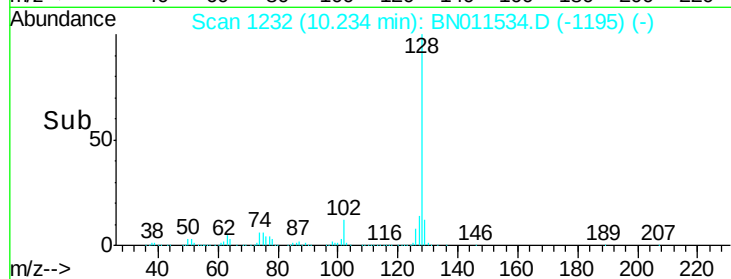
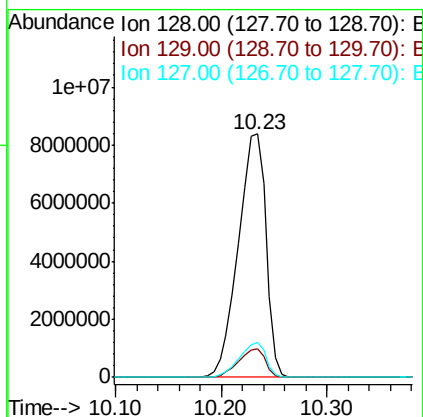
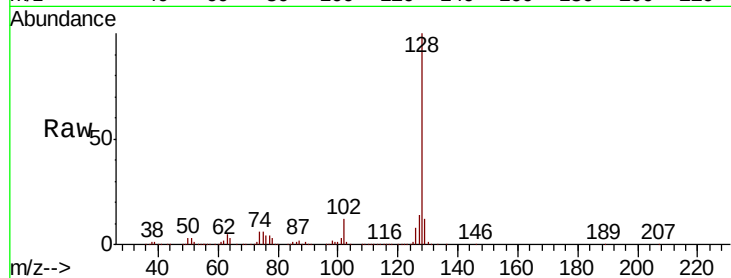




#28  
Naphthalene  
Concen: 540.033 ng/ul  
RT: 10.23 min Scan# 1232  
Delta R.T. 0.02 min  
Lab File: BN011534.D  
Acq: 20 Aug 2020 21:29

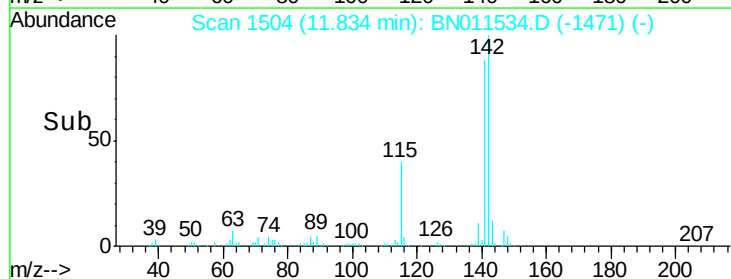
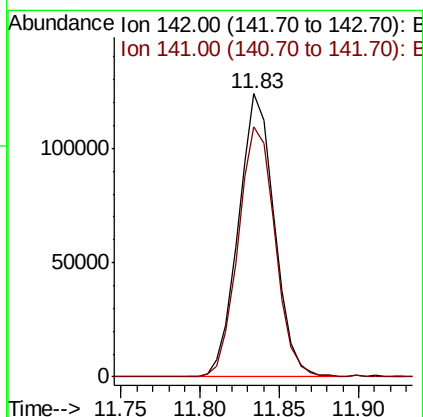
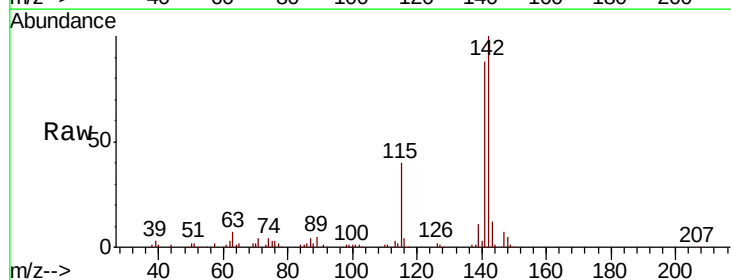
Instrument :  
BNA\_N  
ClientSampled :  
DBFW8

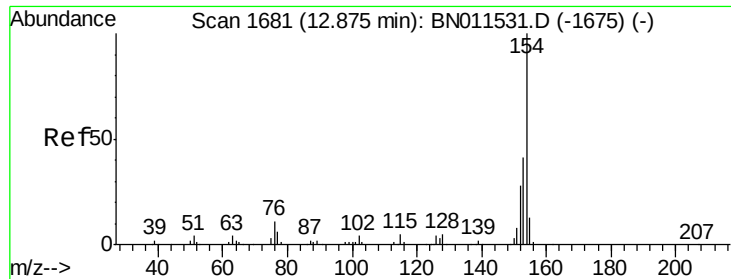
Tot Ion:128 Resp:15295435  
Ion Ratio Lower Upper  
128 100  
129 11.8 8.9 13.3  
127 14.4 10.2 15.2



#34  
2-Methylnaphthalene  
Concen: 10.079 ng/ul  
RT: 11.83 min Scan# 1504  
Delta R.T. -0.01 min  
Lab File: BN011534.D  
Acq: 20 Aug 2020 21:29

Tgt Ion:142 Resp: 195675  
Ion Ratio Lower Upper  
142 100  
141 88.4 73.2 109.8

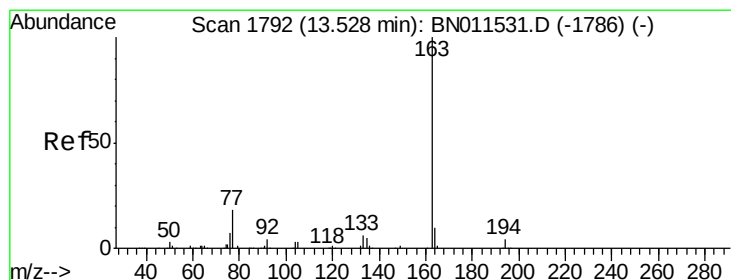
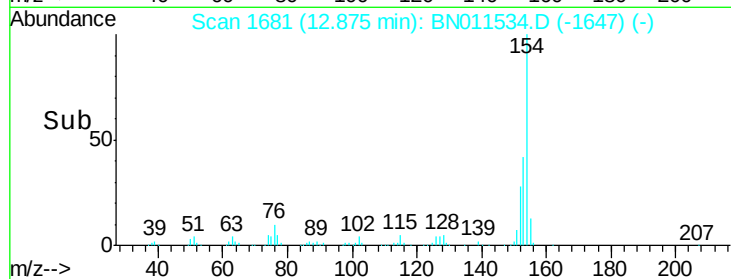
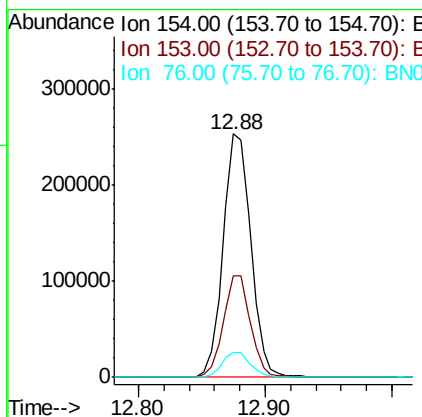
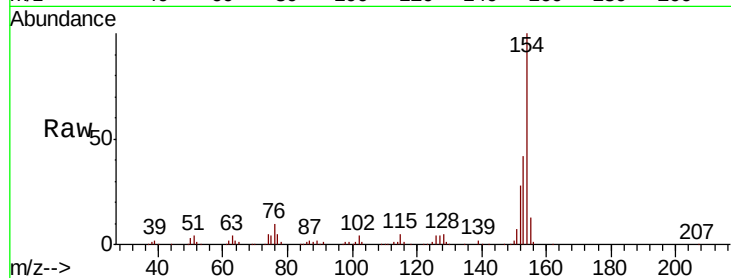




#41  
 1,1'-Biphenyl  
 Concen: 14.467 ng/ul  
 RT: 12.88 min Scan# 1681  
 Delta R.T. 0.00 min  
 Lab File: BN011534.D  
 Acq: 20 Aug 2020 21:29

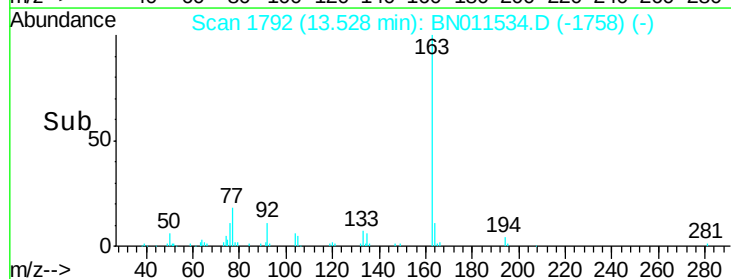
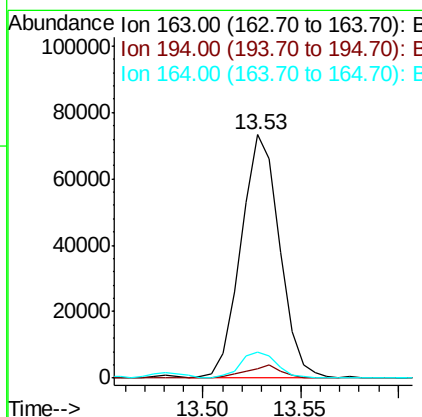
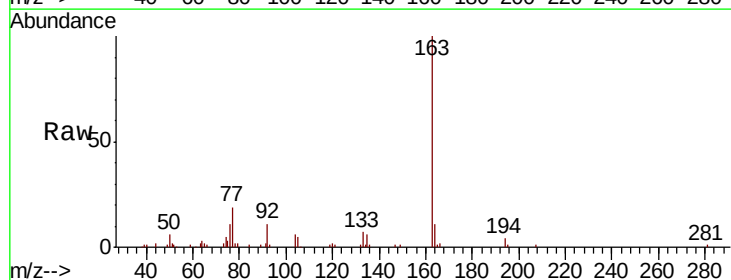
Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFW8

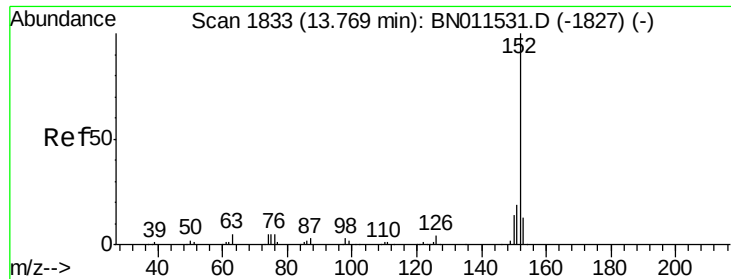
|             |       |           |
|-------------|-------|-----------|
| Tot Ion:154 | Resp: | 383281    |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 41.7  | 32.3 48.5 |
| 76          | 10.0  | 8.5 12.7  |



#45  
 Dimethylphthalate  
 Concen: 3.818 ng/ul  
 RT: 13.53 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: BN011534.D  
 Acq: 20 Aug 2020 21:29

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 100725   |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.0   | 3.8 5.6  |
| 164         | 10.5  | 8.7 13.1 |





#48

Acenaphthylene

Concen: 2.442 ng/ul

RT: 13.77 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA\_N

ClientSampleId :

DBFW8

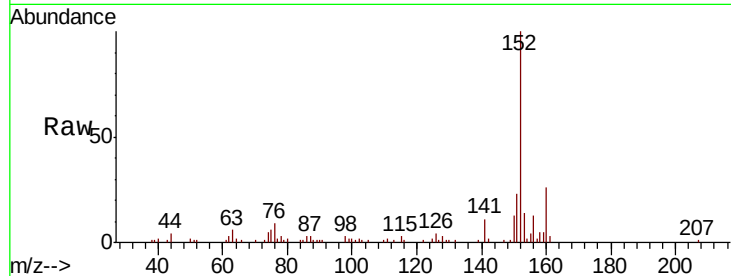
Tot Ion:152 Resp: 78237

Ion Ratio Lower Upper

152 100

151 22.9 15.4 23.2

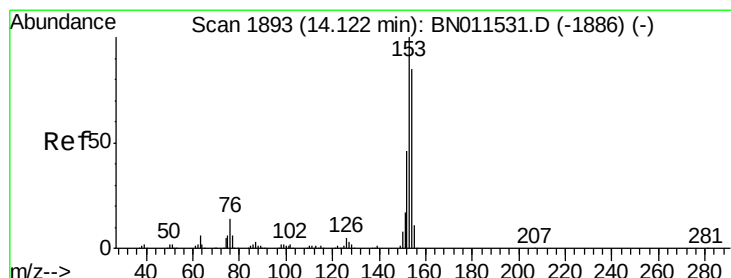
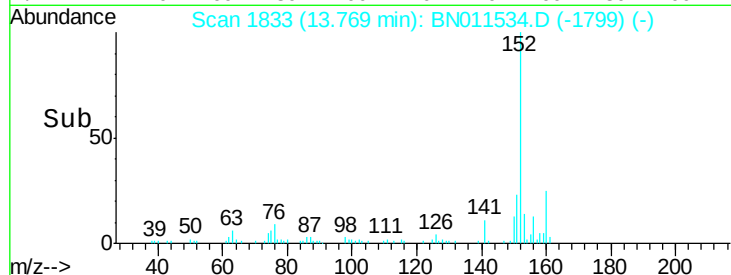
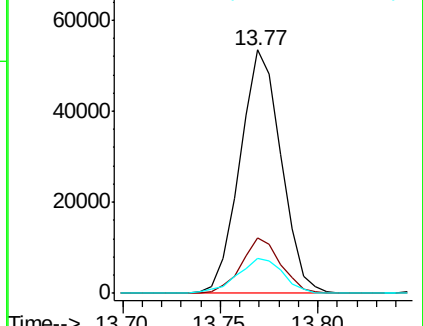
153 14.2 9.9 14.9



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: 67.777 ng/ul

RT: 14.12 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

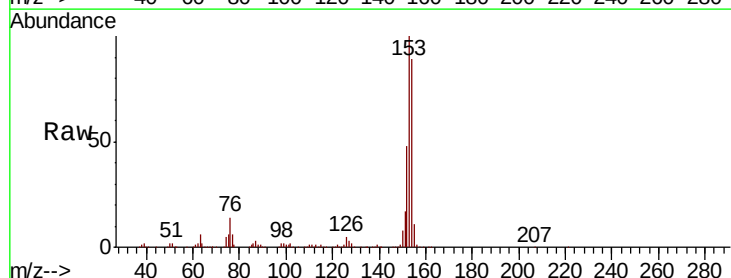
Tgt Ion:153 Resp: 1520136

Ion Ratio Lower Upper

153 100

152 47.9 37.6 56.4

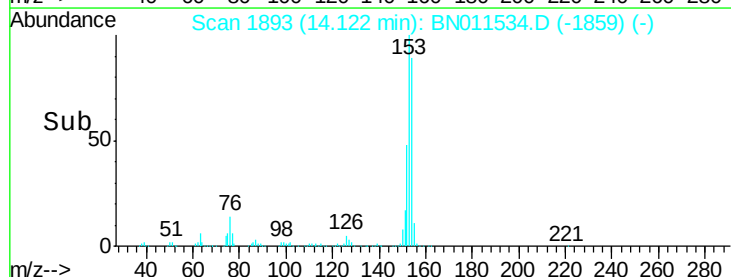
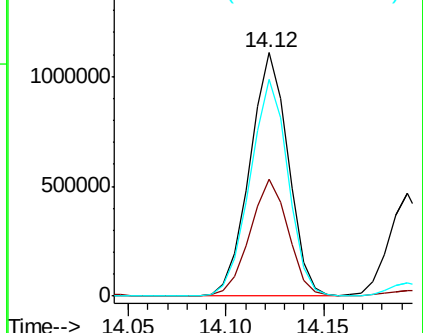
154 88.9 72.0 108.0

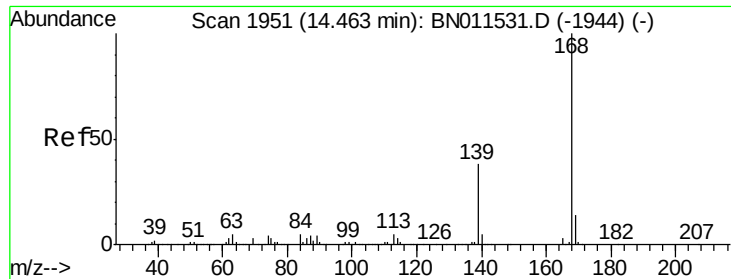


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 36.343 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA\_N

ClientSampleId :

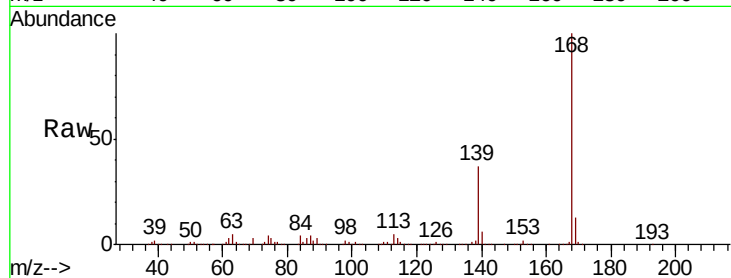
DBFW8

Tot Ion:168 Resp: 1182144

Ion Ratio Lower Upper

168 100

139 37.2 31.1 46.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.46

800000

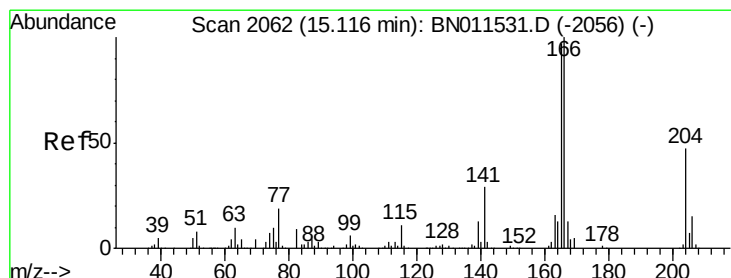
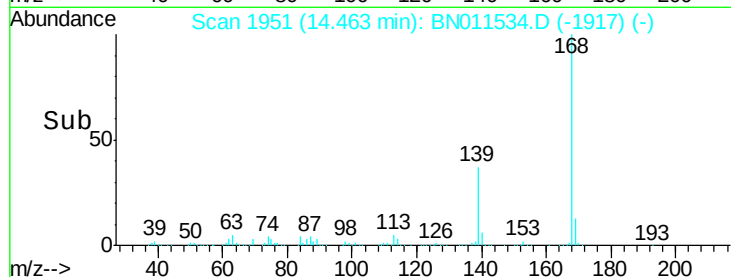
600000

400000

200000

0

Time-->



#59

Fluorene

Concen: 29.670 ng/ul

RT: 15.12 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

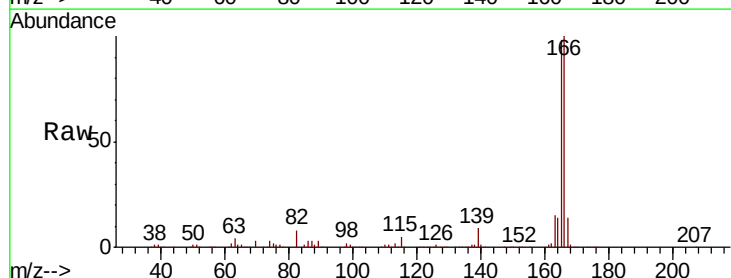
Tgt Ion:166 Resp: 777843

Ion Ratio Lower Upper

166 100

165 97.7 78.0 117.0

167 13.9 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

15.12

800000

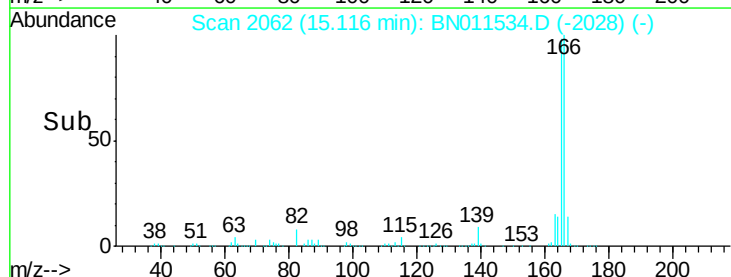
600000

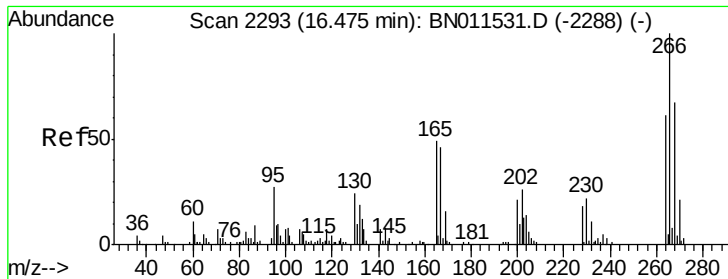
400000

200000

0

Time-->





#69

Pentachlorophenol

Concen: 2.458 ng/ul

RT: 16.47 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA\_N

ClientSampleId :

DBFW8

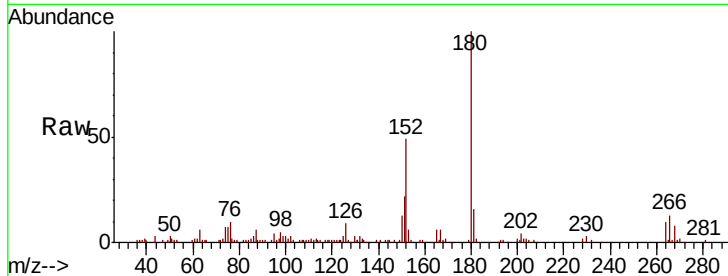
Tot Ion:266 Resp: 13216

Ion Ratio Lower Upper

266 100

264 76.5 67.9 101.9

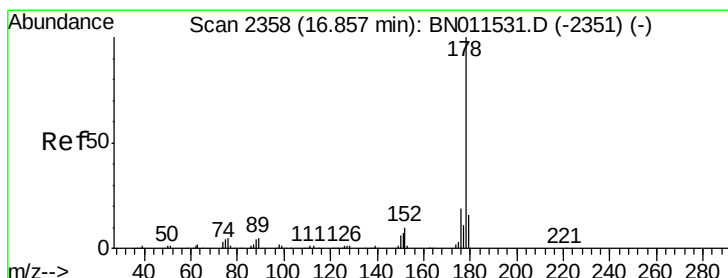
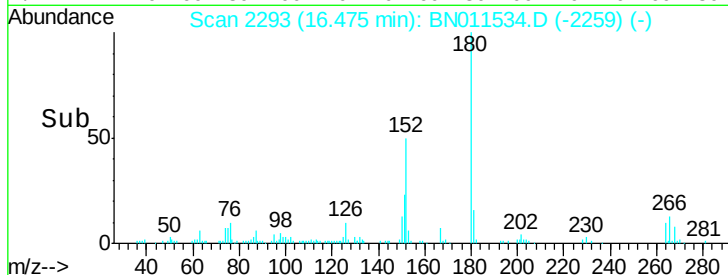
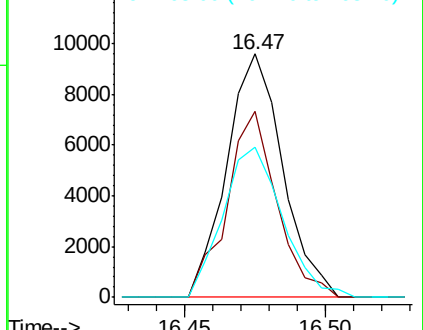
268 61.9 63.4 95.2#



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: 15.167 ng/ul

RT: 16.86 min Scan# 2358

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

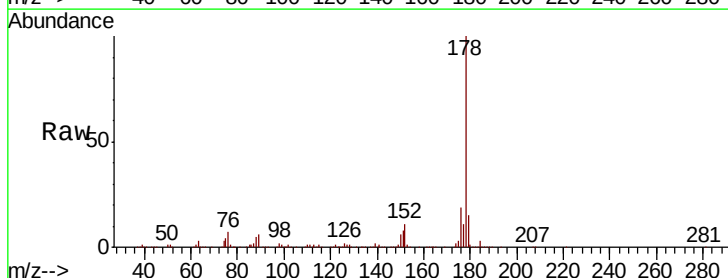
Tgt Ion:178 Resp: 666605

Ion Ratio Lower Upper

178 100

179 15.5 13.1 19.7

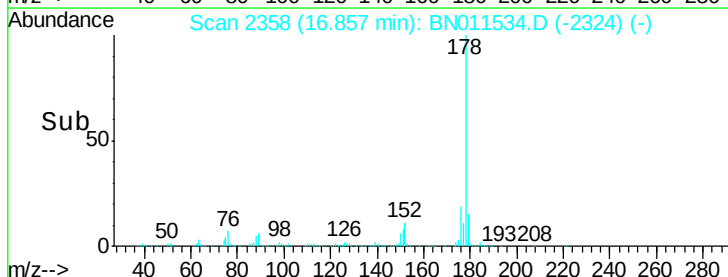
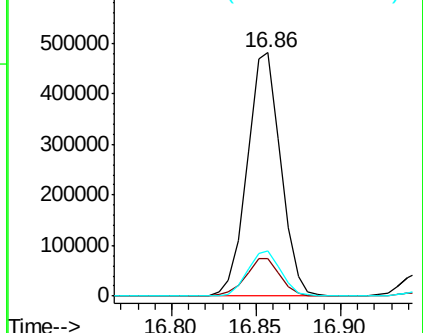
176 18.7 15.7 23.5

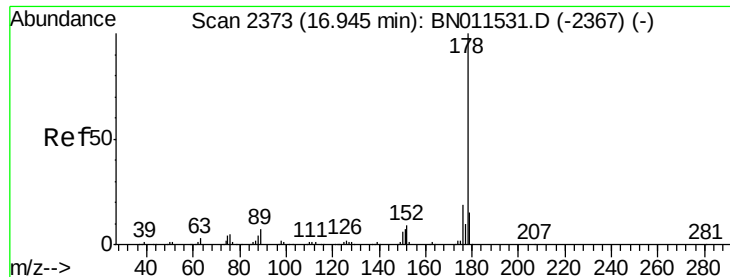


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 1.413 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

Instrument :

BNA\_N

ClientSampleId :

DBFW8

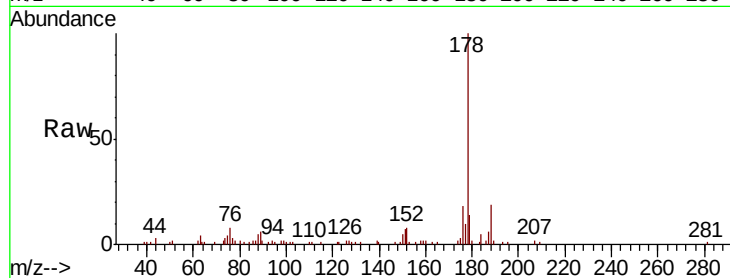
Tot Ion:178 Resp: 62893

Ion Ratio Lower Upper

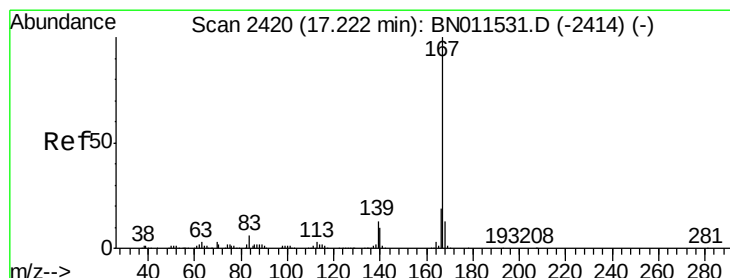
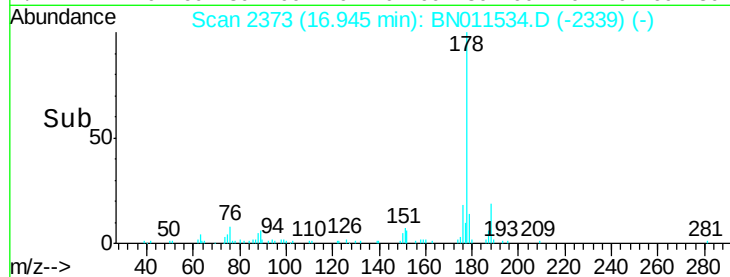
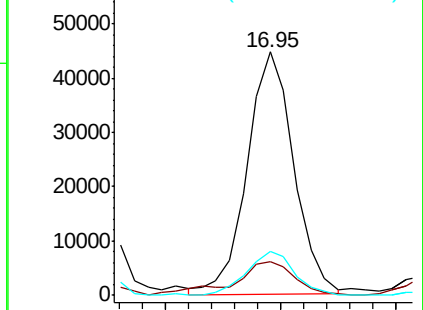
178 100

179 14.0 13.0 19.4

176 18.0 14.6 21.8



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: 73.246 ng/ul

RT: 17.23 min Scan# 2421

Delta R.T. 0.01 min

Lab File: BN011534.D

Acq: 20 Aug 2020 21:29

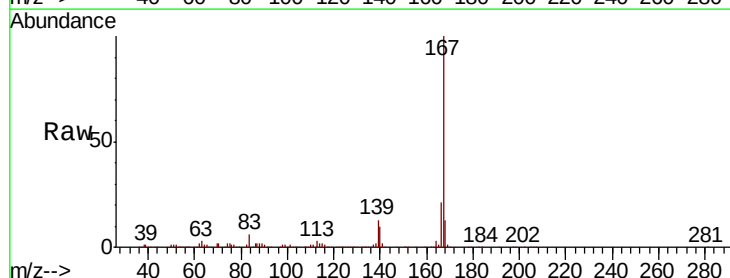
Tgt Ion:167 Resp: 2742019

Ion Ratio Lower Upper

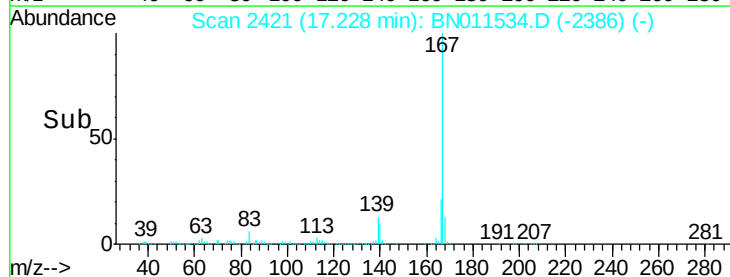
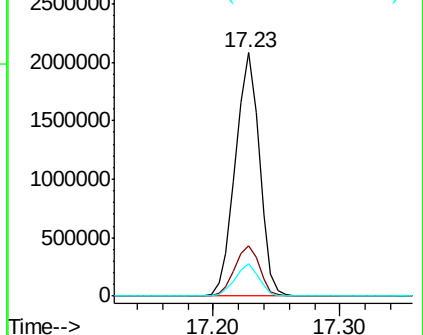
167 100

166 20.7 17.2 25.8

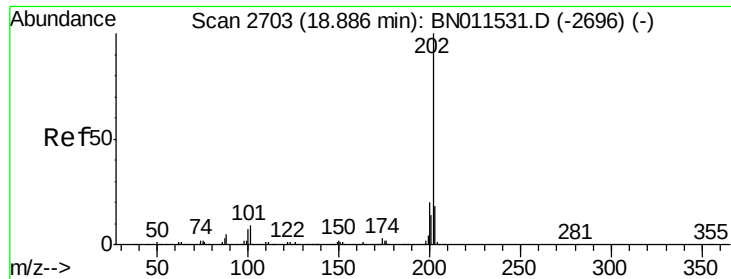
139 13.1 10.2 15.2



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



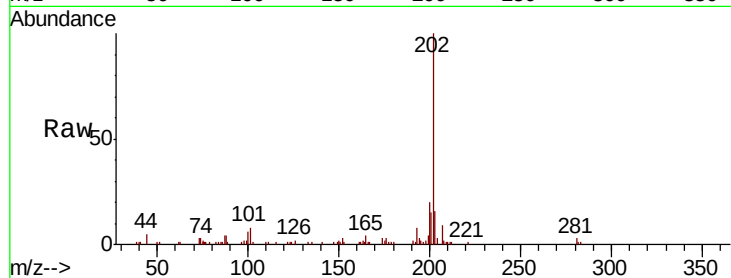




#77  
 Fluoranthene  
 Concen: 1.258 ng/ul  
 RT: 18.89 min Scan# 2703  
 Delta R.T. 0.00 min  
 Lab File: BN011534.D  
 Acq: 20 Aug 2020 21:29

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFW8

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 67664 |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 7.5   | 7.3   | 10.9  |
| 100      | 6.5   | 5.2   | 7.8   |



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

