

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\  
 Data File : BN011499.D  
 Acq On : 18 Aug 2020 23:54  
 Operator : CG/JU  
 Sample : L3668-10  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DBFT6

Manual Integrations  
 APPROVED

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 8/19/2020 2:20:08 PM

Quant Time: Aug 19 04:56:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 19 02:19:14 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.43  | 152  | 160736   | 20.00   | ng/ul  | 0.00     |
| 18) Naphthalene-d8             | 10.18 | 136  | 607783   | 20.00   | ng/ul  | 0.00     |
| 36) Acenaphthene-d10           | 14.06 | 164  | 382941   | 20.00   | ng/ul  | 0.00     |
| 62) Phenanthrene-d10           | 16.82 | 188  | 915732   | 20.00   | ng/ul  | 0.00     |
| 78) Chrysene-d12               | 21.04 | 240  | 942925   | 20.00   | ng/ul  | 0.00     |
| 86) Perylene-d12               | 23.15 | 264  | 997194   | 20.00   | ng/ul  | 0.00     |
| System Monitoring Compounds    |       |      |          |         |        |          |
| 3) 1,4-Dioxane-d8              | 3.12  | 96   | 21669    | 6.47    | ng/uL  | 0.00     |
| 5) Phenol-d5                   | 6.63  | 99   | 59494    | 5.23    | ng/ul  | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.79  | 67   | 143651   | 24.79   | ng/ul  | 0.00     |
| 9) 2-Chlorophenol-d4           | 6.98  | 132  | 203520   | 19.98   | ng/ul  | 0.00     |
| 13) 4-Methylphenol-d8          | 8.14  | 113  | 119529   | 12.95   | ng/ul  | 0.00     |
| 19) Nitrobenzene-d5            | 8.57  | 128  | 125981   | 26.74   | ng/ul  | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.28  | 143  | 135429   | 25.56   | ng/ul  | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 9.81  | 165  | 235654   | 23.54   | ng/ul  | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.33 | 131  | 25253    | 2.11    | ng/ul  | 0.00     |
| 44) Dimethylphthalate-d6       | 13.49 | 166  | 884551   | 29.67   | ng/ul  | 0.00     |
| 47) Acenaphthylene-d8          | 13.75 | 160  | 981026   | 27.34   | ng/ul  | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.30 | 143  | 28327    | 5.61    | ng/ul  | 0.00     |
| 58) Fluorene-d10               | 15.07 | 176  | 780695   | 29.91   | ng/ul  | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.20 | 200  | 133875   | 22.04   | ng/ul  | 0.00     |
| 71) Anthracene-d10             | 16.92 | 188  | 1283968  | 29.35   | ng/ul  | 0.00     |
| 79) Pyrene-d10                 | 19.23 | 212  | 1496369  | 30.89   | ng/ul  | 0.00     |
| 90) Benzo(a)pyrene-d12         | 23.01 | 264  | 1760816  | 31.79   | ng/ul  | 0.00     |
| Target Compounds               |       |      |          |         |        |          |
| 28) Naphthalene                | 10.23 | 128  | 10426799 | 307.407 | ng/ul  | 98       |
| 34) 2-Methylnaphthalene        | 11.85 | 142  | 49783    | 2.141   | ng/ul  | 89       |
| 45) Dimethylphthalate          | 13.54 | 163  | 150167   | 4.906   | ng/ul  | 98       |
| 48) Acenaphthylene             | 13.77 | 152  | 38983    | 1.049   | ng/ul# | 91       |
| 50) Acenaphthene               | 14.13 | 153  | 1573795  | 60.490  | ng/ul  | 95       |
| 54) Dibenzofuran               | 14.47 | 168  | 61927    | 1.641   | ng/ul  | 99       |
| 59) Fluorene                   | 15.12 | 166  | 744095   | 24.467  | ng/ul  | 99       |
| 70) Phenanthrene               | 16.86 | 178  | 557053   | 10.256  | ng/ul  | 97       |
| 72) Anthracene                 | 16.95 | 178  | 57468m   | 1.045   | ng/ul  |          |
| 75) Carbazole                  | 17.23 | 167  | 2499668  | 54.031  | ng/ul  | 100      |

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

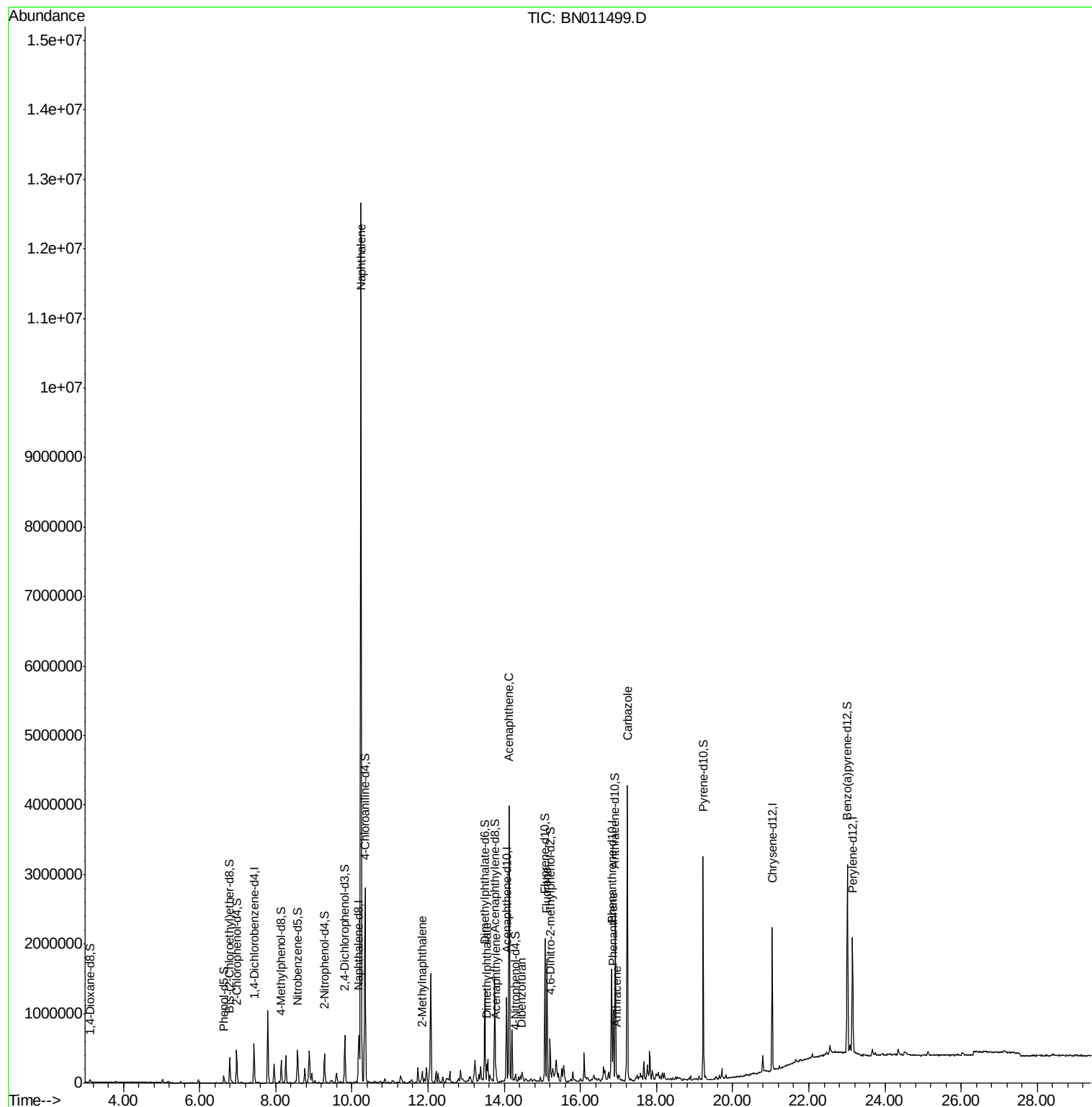
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081720\  
Data File : BN011499.D  
Acq On : 18 Aug 2020 23:54  
Operator : CG/JU  
Sample : L3668-10  
Misc :  
ALS Vial : 52 Sample Multiplier: 1

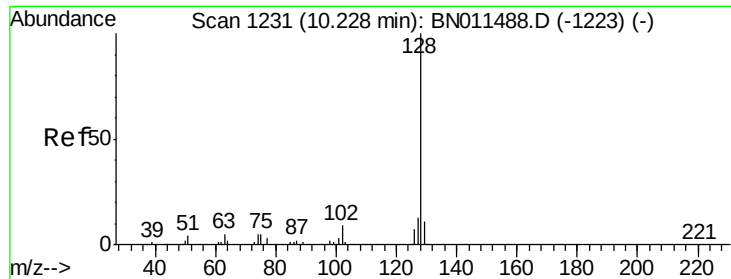
Instrument :  
BNA\_N  
ClientSampleId :  
DBFT6

Quant Time: Aug 19 04:56:30 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN081420MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Aug 19 02:19:14 2020  
Response via : Initial Calibration

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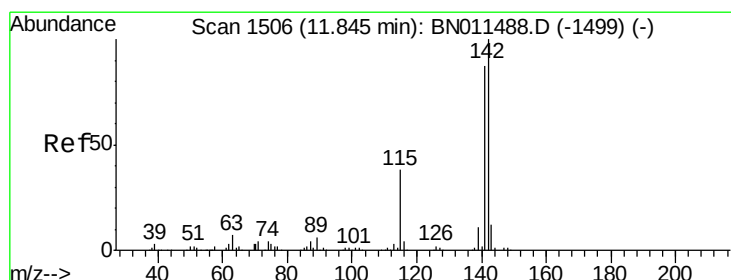
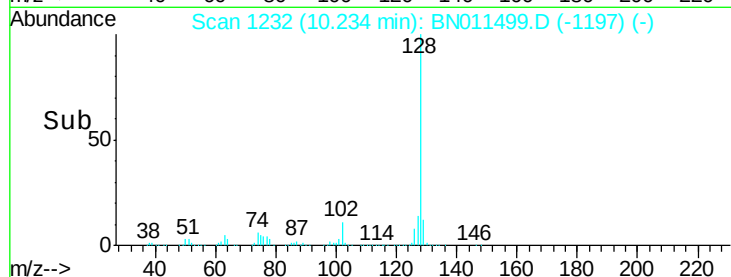
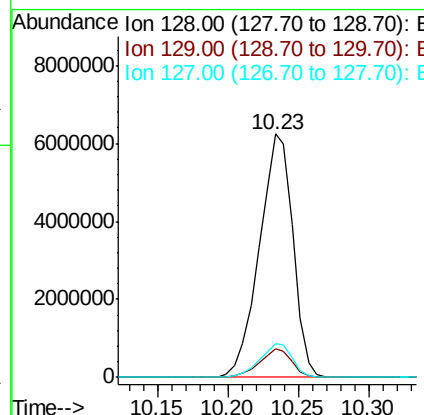
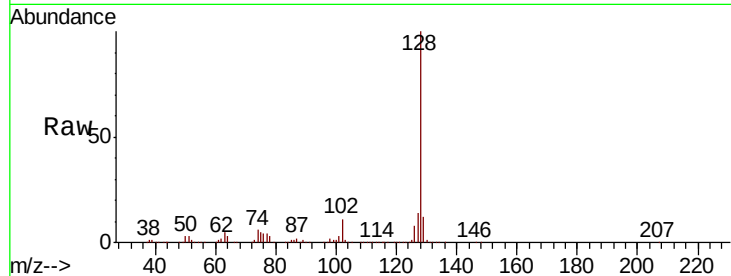
#28  
Naphthalene  
Concen: 307.407 ng/ul  
RT: 10.23 min Scan# 1232  
Delta R.T. 0.01 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

Instrument :  
BNA\_N  
ClientSampleId :  
DBFT6

Tot Ion:128 Resp:10426799  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.9 13.3  
127 13.9 10.2 15.2

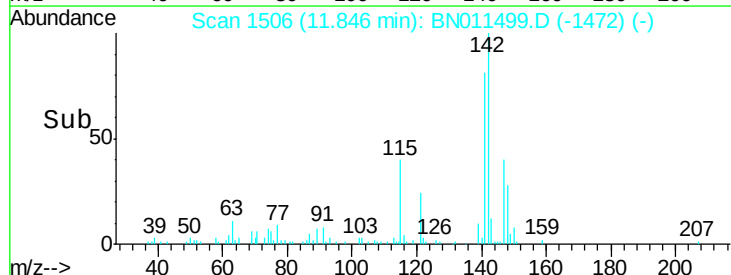
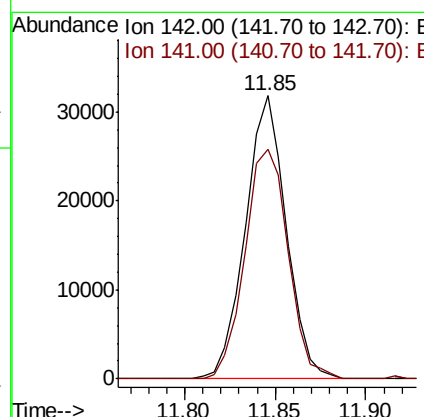
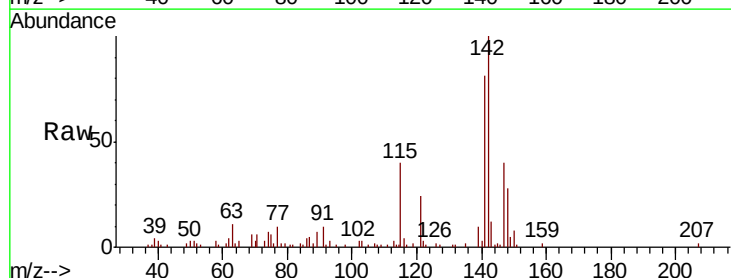
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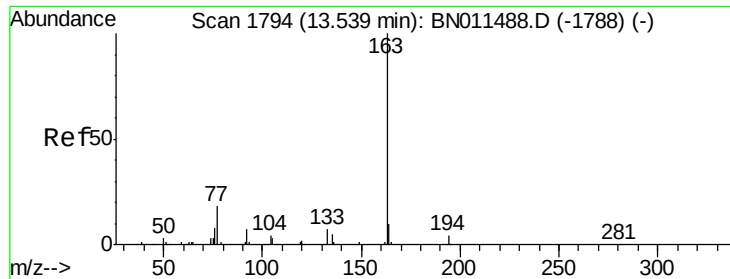
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#34  
2-Methylnaphthalene  
Concen: 2.141 ng/ul  
RT: 11.85 min Scan# 1506  
Delta R.T. 0.00 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

Tgt Ion:142 Resp: 49783  
Ion Ratio Lower Upper  
142 100  
141 81.3 73.2 109.8





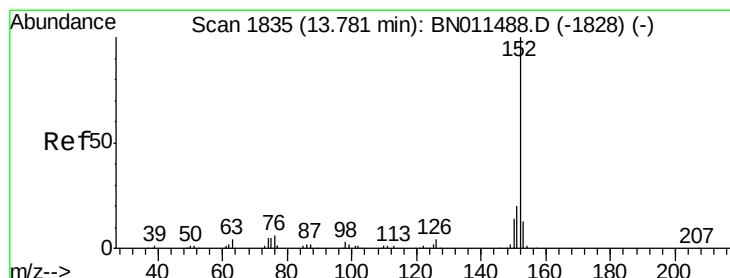
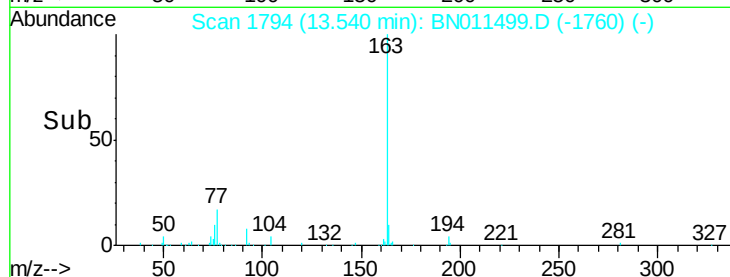
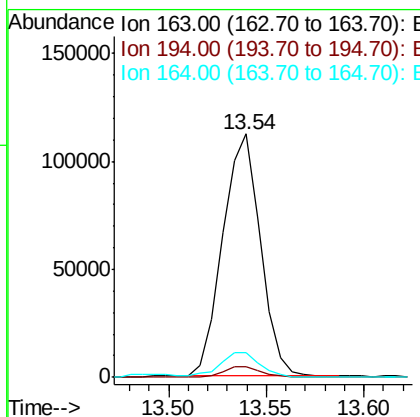
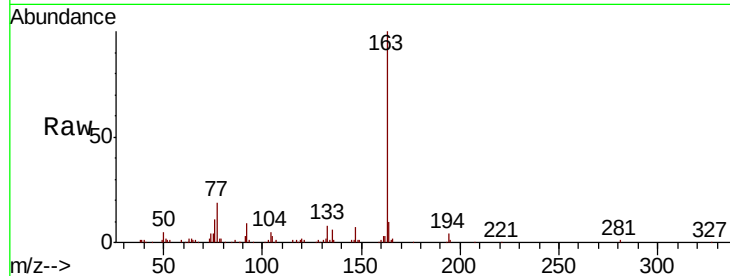
#45  
Dimethylphthalate  
Concen: 4.906 ng/ul  
RT: 13.54 min Scan# 1794  
Delta R.T. 0.00 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

Instrument :  
BNA\_N  
ClientSampleId :  
DBFT6

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 163     | 100  |       | 150167 |       |       |
| 194     | 4.3  |       | 3.8    | 5.6   |       |
| 164     | 10.1 |       | 8.7    | 13.1  |       |

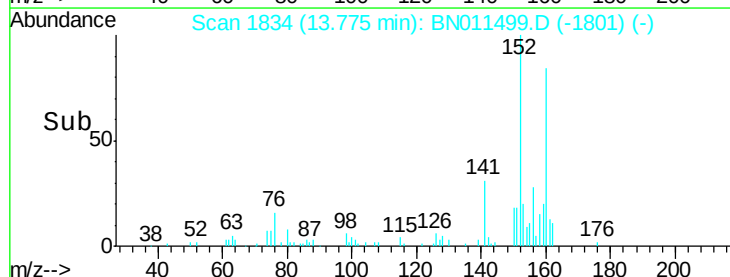
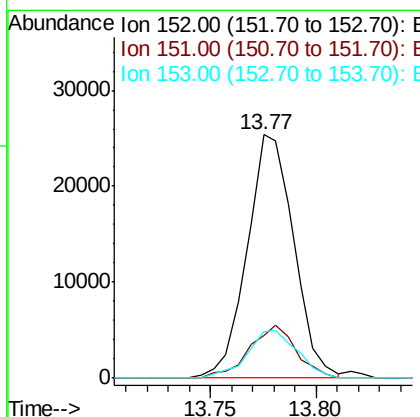
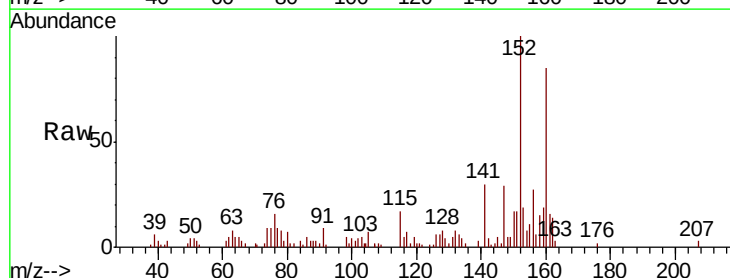
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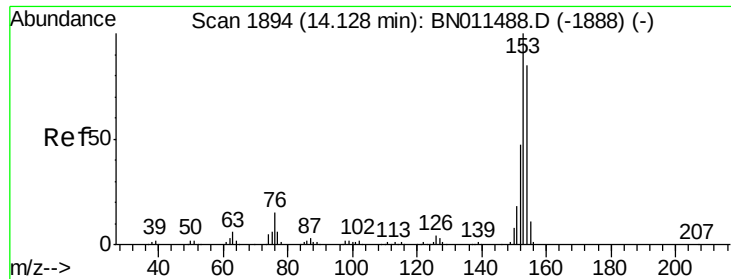
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#48  
Acenaphthylene  
Concen: 1.049 ng/ul  
RT: 13.77 min Scan# 1834  
Delta R.T. -0.01 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 152     | 100  |       | 38983 |       |       |
| 151     | 17.5 |       | 15.4  | 23.2  |       |
| 153     | 18.9 |       | 9.9   | 14.9  |       |





#50

Acenaphthene

Concen: 60.490 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. 0.00 min

Lab File: BN011499.D

Acq: 18 Aug 2020 23:54

Instrument :

BNA\_N

ClientSampleId :

DBFT6

Tot Ion:153 Resp: 1573795

Ion Ratio Lower Upper

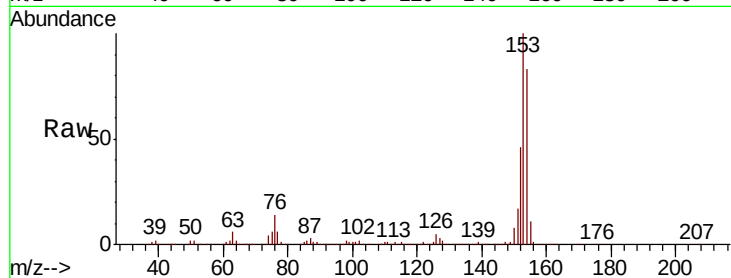
153 100

152 46.4 37.6 56.4

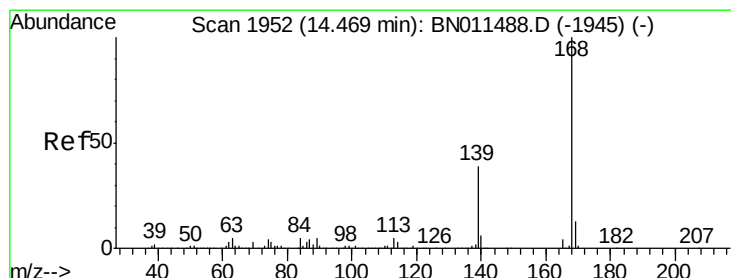
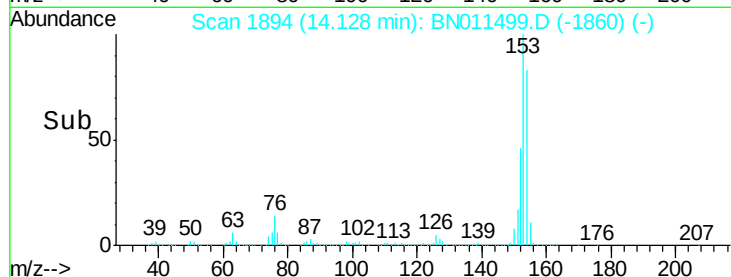
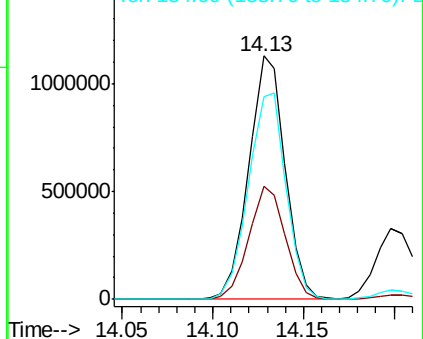
154 83.5 72.0 108.0

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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: 1.641 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. 0.00 min

Lab File: BN011499.D

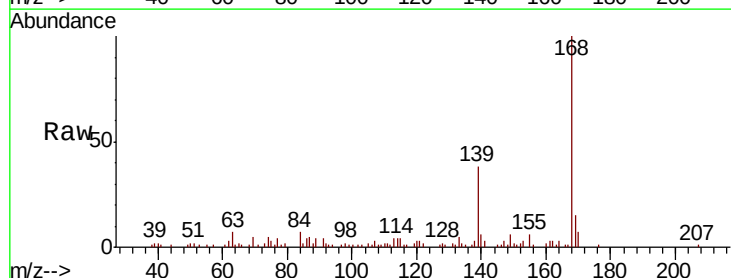
Acq: 18 Aug 2020 23:54

Tgt Ion:168 Resp: 61927

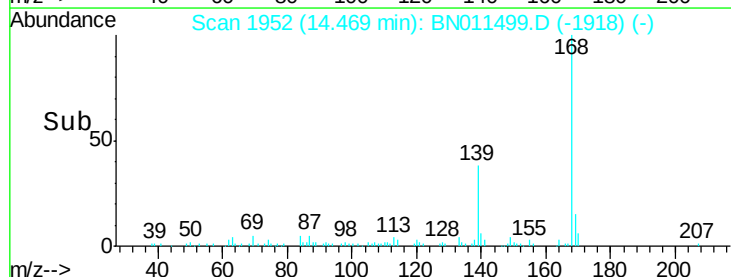
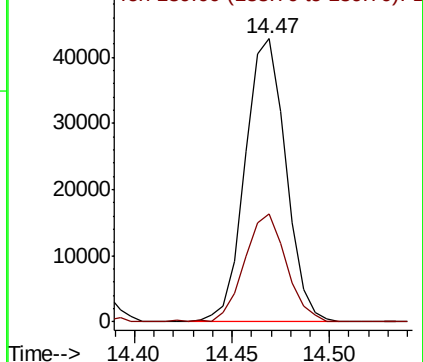
Ion Ratio Lower Upper

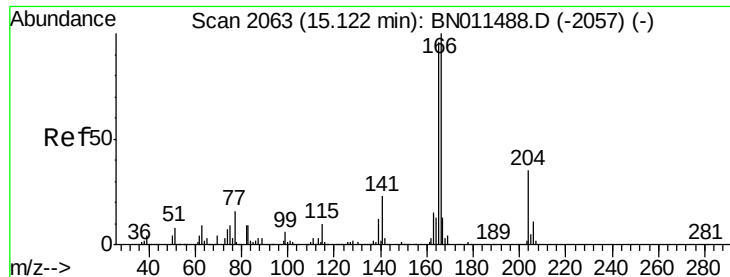
168 100

139 38.3 31.1 46.7



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E





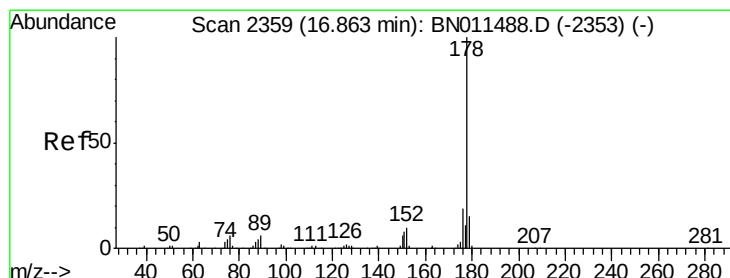
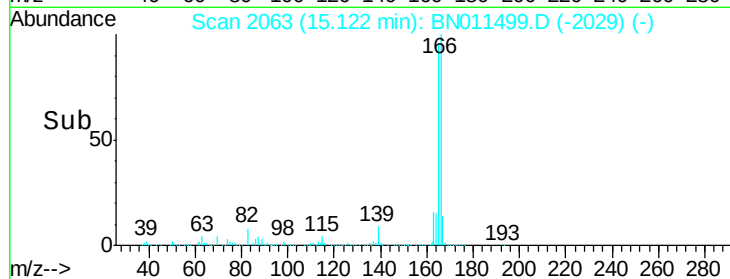
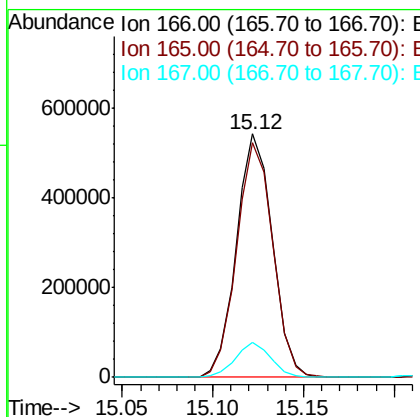
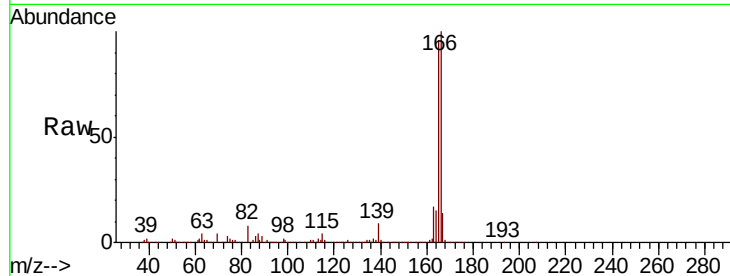
#59  
Fluorene  
Concen: 24.467 ng/ul  
RT: 15.12 min Scan# 2063  
Delta R.T. 0.00 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

Instrument :  
BNA\_N  
ClientSampled :  
DBFT6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.2  | 78.0  | 117.0 |
| 167     | 14.2  | 11.9  | 17.9  |

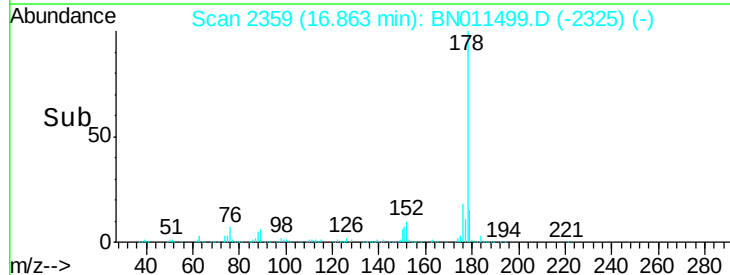
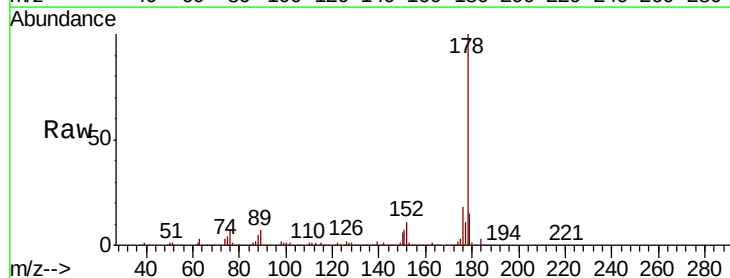
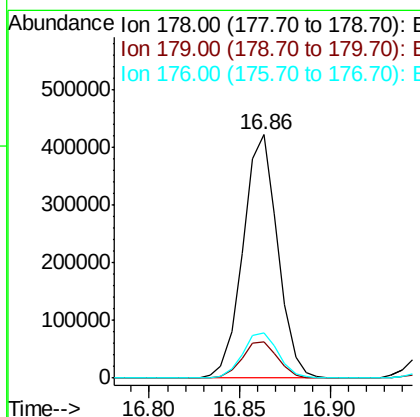
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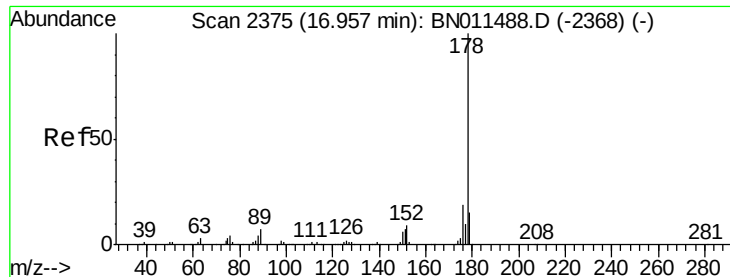
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#70  
Phenanthrene  
Concen: 10.256 ng/ul  
RT: 16.86 min Scan# 2359  
Delta R.T. 0.00 min  
Lab File: BN011499.D  
Acq: 18 Aug 2020 23:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 14.8  | 13.1  | 19.7  |
| 176     | 18.4  | 15.7  | 23.5  |





#72

Anthracene

Concen: 1.045 ng/ul m

RT: 16.95 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BN011499.D

Acq: 18 Aug 2020 23:54

Instrument :

BNA\_N

ClientSampleId :

DBFT6

Tot Ion:178 Resp: 57468

Ion Ratio Lower Upper

178 100

179 12.5 13.0 19.4#

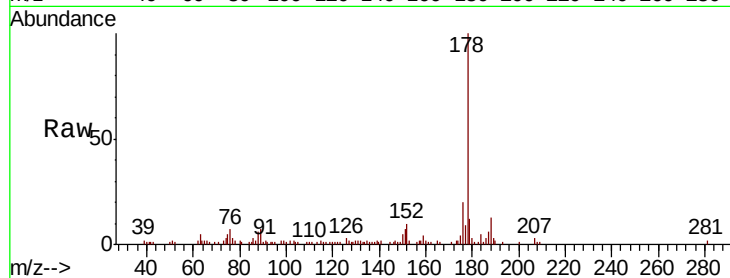
176 19.7 14.6 21.8

Manual Integrations

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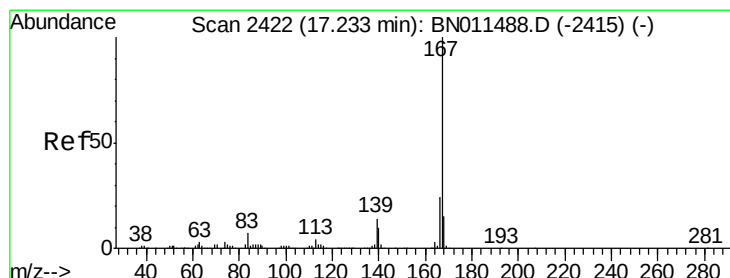
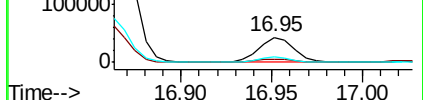
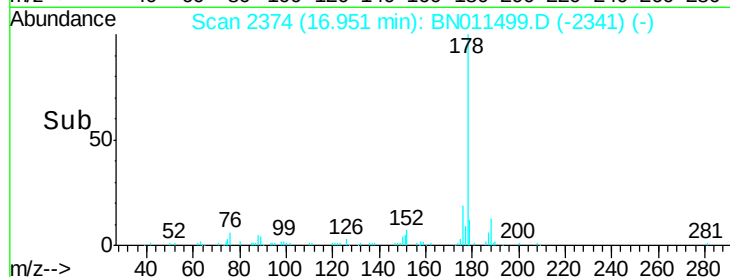
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 54.031 ng/ul

RT: 17.23 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BN011499.D

Acq: 18 Aug 2020 23:54

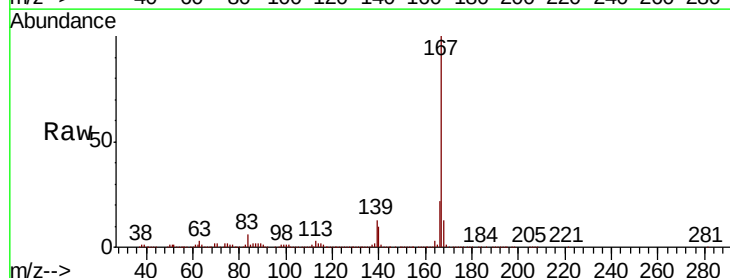
Tgt Ion:167 Resp: 2499668

Ion Ratio Lower Upper

167 100

166 21.7 17.2 25.8

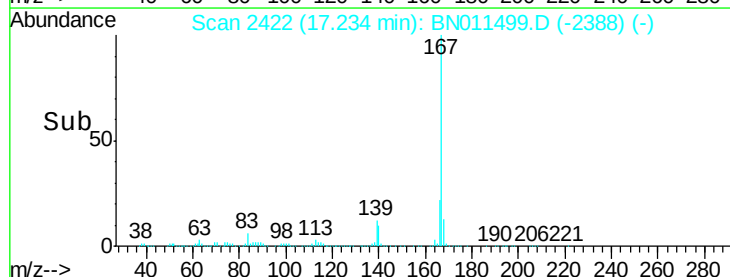
139 12.5 10.2 15.2



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



Time-->