

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
 Data File : BN009480.D  
 Acq On : 30 Jan 2020 18:30  
 Operator : CG/JU  
 Sample : L1301-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 BFM07

Manual Integrations  
 APPROVED

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 2/3/2020 4:07:57 PM

Quant Time: Jan 31 00:55:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jan 22 15:13:20 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46  | 152  | 146407   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.20 | 136  | 618001   | 20.00 | ng/ul | -0.01    |
| 35) Acenaphthene-d10      | 14.09 | 164  | 394270   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.85 | 188  | 806082   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.05 | 240  | 709502   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.17 | 264  | 772548   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 15014   | 4.24  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.65  | 99  | 89480   | 6.89  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.81  | 67  | 297202  | 32.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.00  | 132 | 270802  | 28.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.16  | 113 | 182634  | 17.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.60  | 128 | 173916  | 38.68 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.31  | 143 | 190746  | 40.46 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.84  | 165 | 335878  | 35.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.37 | 131 | 15249   | 1.35  | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.52 | 166 | 1136761 | 38.96 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.78 | 160 | 1386958 | 40.04 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.33 | 143 | 31134   | 5.73  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.09 | 176 | 992929  | 38.77 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.23 | 200 | 165293  | 33.86 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.95 | 188 | 1521852 | 40.81 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.25 | 212 | 1626138 | 42.60 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.04 | 264 | 1558994 | 39.98 | ng/ul | 0.00 |

## Target Compounds

|                        |       |     |        |              | Ovalue |
|------------------------|-------|-----|--------|--------------|--------|
| 6) Phenol              | 6.68  | 94  | 34899  | 2.566 ng/ul  | 91     |
| 11) 2-Methylphenol     | 7.91  | 108 | 14438  | 1.437 ng/ul  | 88     |
| 16) 4-Methylphenol     | 8.23  | 108 | 24385  | 2.217 ng/ul  | 86     |
| 24) 2,4-Dimethylphenol | 9.45  | 107 | 14987m | 1.258 ng/ul  |        |
| 28) Naphthalene        | 10.26 | 128 | 595658 | 17.911 ng/ul | 98     |
| 44) Dimethylphthalate  | 13.56 | 163 | 55449  | 1.846 ng/ul  | 99     |

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

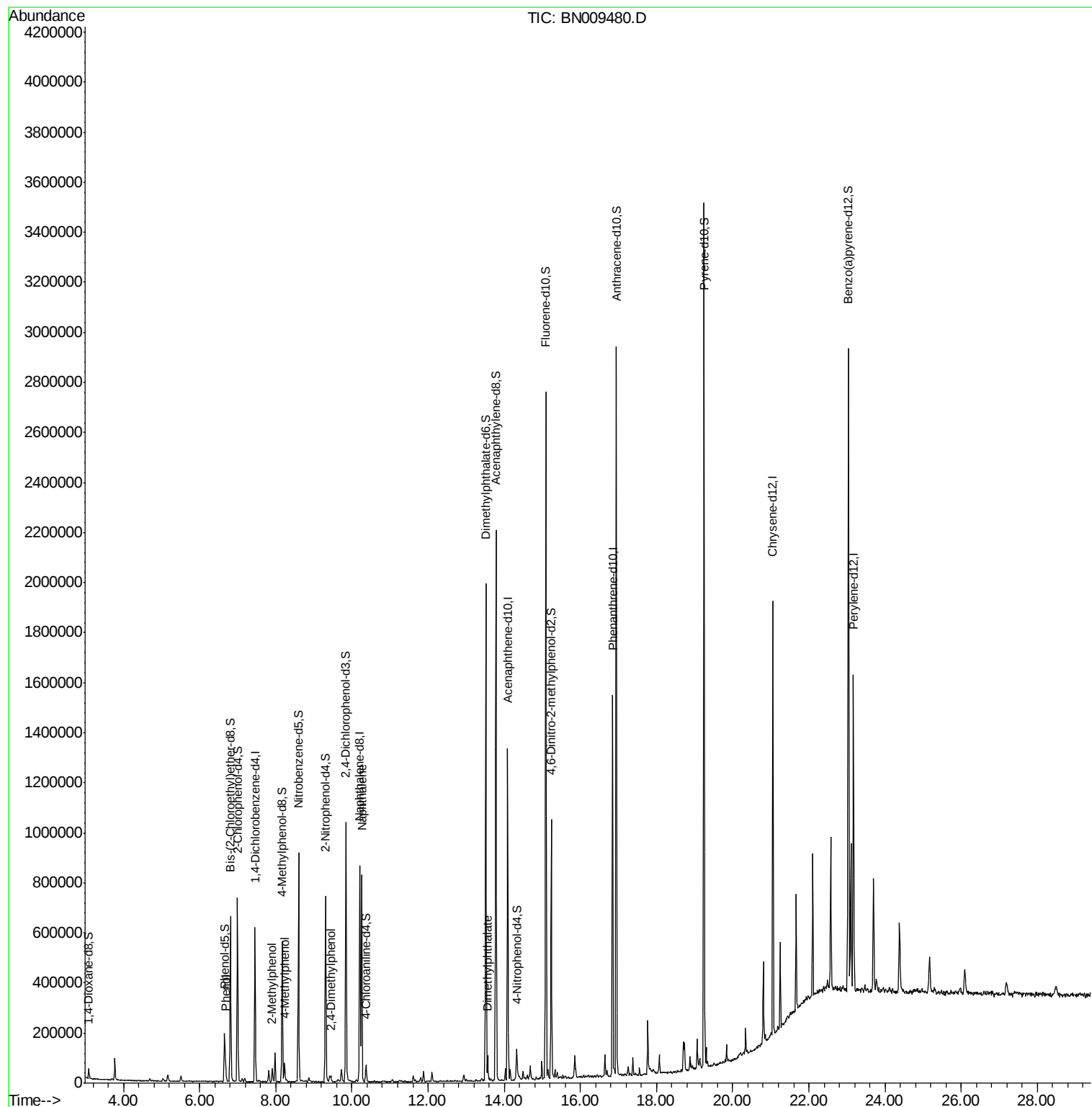
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\  
Data File : BN009480.D  
Acq On : 30 Jan 2020 18:30  
Operator : CG/JU  
Sample : L1301-02  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

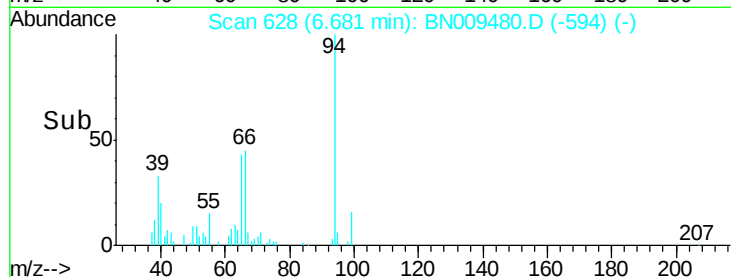
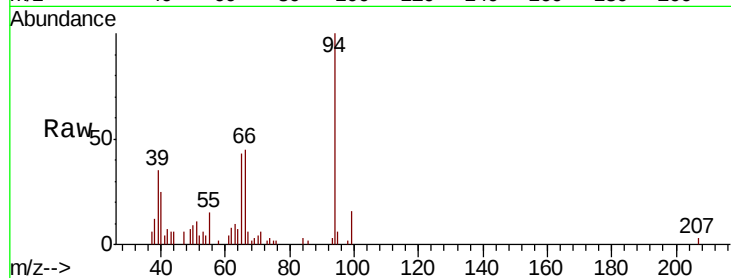
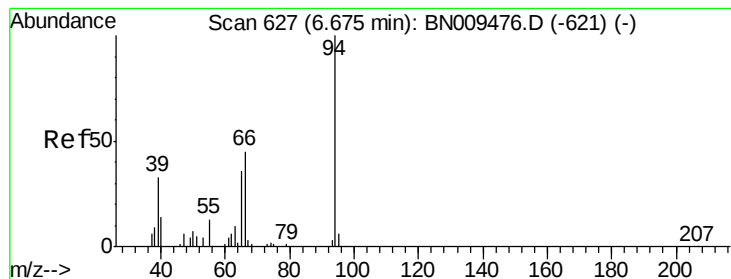
Instrument :  
BNA\_N  
ClientSampleId :  
BFM07

Quant Time: Jan 31 00:55:06 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN012220MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Jan 22 15:13:20 2020  
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#6

Phenol

Concen: 2.566 ng/ul

RT: 6.68 min Scan# 628

Delta R.T. -0.00 min

Lab File: BN009480.D

Acq: 30 Jan 2020 18:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 94    | Resp: | 34899 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 43.0  | 29.4  | 44.0  |
| 66        | 44.8  | 39.8  | 59.8  |

Instrument :

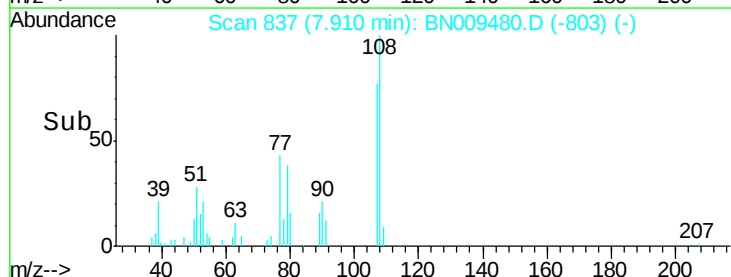
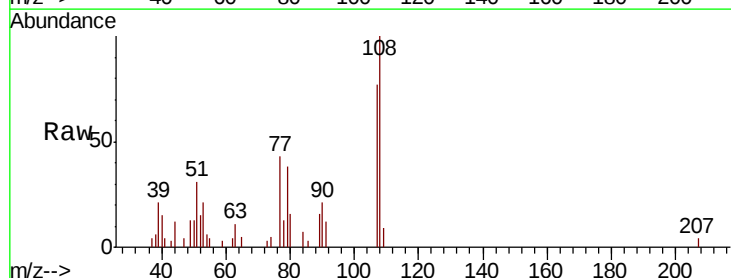
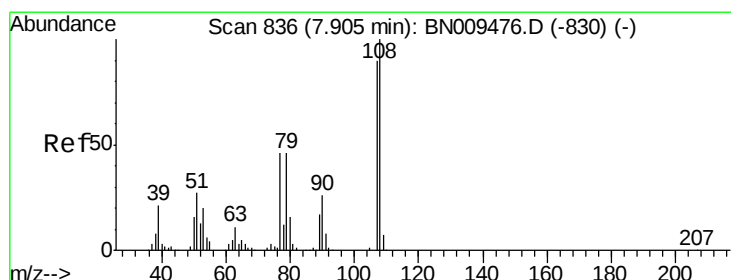
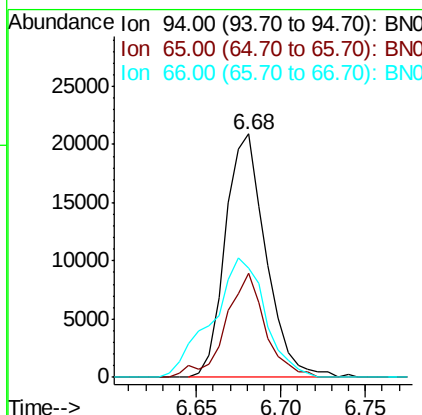
BNA\_N

ClientSampleId :

BFM07

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#11

2-Methylphenol

Concen: 1.437 ng/ul

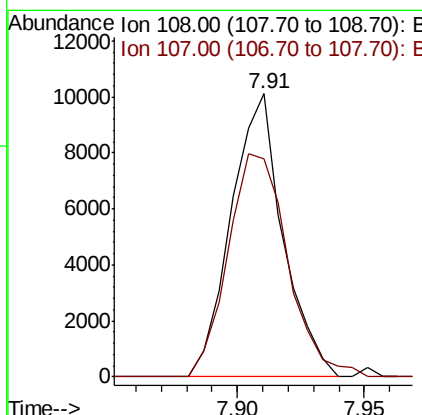
RT: 7.91 min Scan# 837

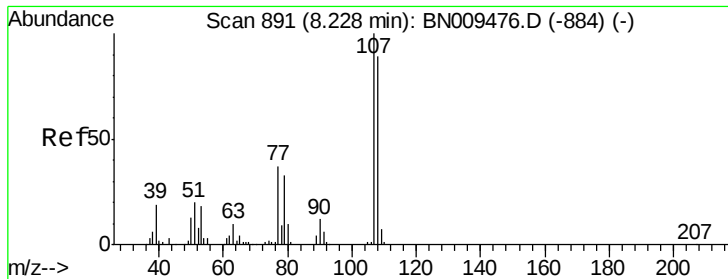
Delta R.T. -0.00 min

Lab File: BN009480.D

Acq: 30 Jan 2020 18:30

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 108   | Resp: | 14438 |
| Ion Ratio | Lower | Upper |       |
| 108       | 100   |       |       |
| 107       | 77.0  | 70.7  | 106.1 |





#16

4-Methylphenol

Concen: 2.217 ng/ul

RT: 8.23 min Scan# 892

Delta R.T. -0.00 min

Lab File: BN009480.D

Acq: 30 Jan 2020 18:30

Instrument :

BNA\_N

ClientSampleId :

BFM07

Tot Ion:108 Resp: 24385

Ion Ratio Lower Upper

108 100

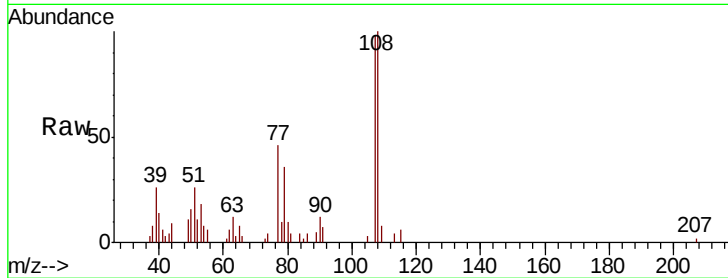
107 98.0 90.2 135.4

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Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

15000

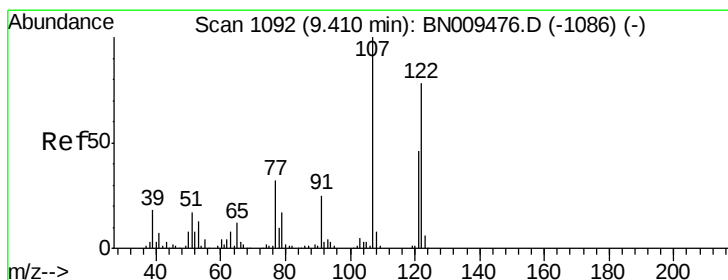
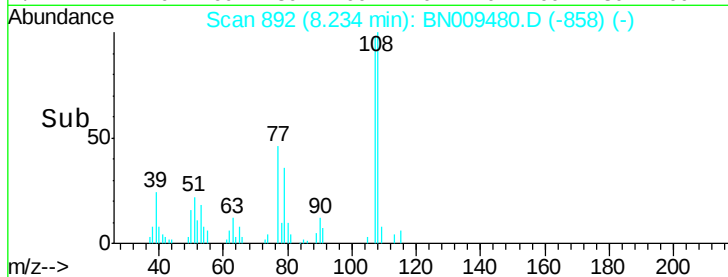
10000

5000

0

8.20 8.25 8.30

Time-->



#24

2,4-Dimethylphenol

Concen: 1.258 ng/ul m

RT: 9.45 min Scan# 1098

Delta R.T. 0.03 min

Lab File: BN009480.D

Acq: 30 Jan 2020 18:30

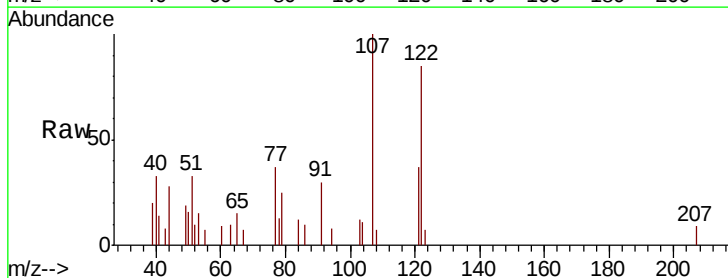
Tgt Ion:107 Resp: 14987

Ion Ratio Lower Upper

107 100

121 36.8 39.0 58.4#

122 85.1 64.1 96.1



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

6000

5000

4000

3000

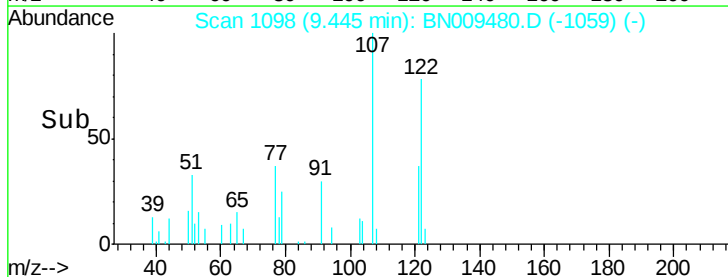
2000

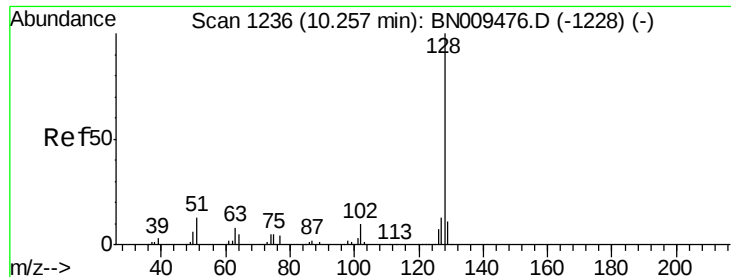
1000

0

9.35 9.40 9.45 9.50

Time-->





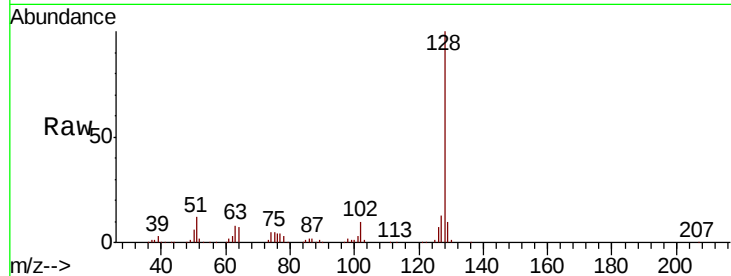
#28  
Naphthalene  
Concen: 17.911 ng/ul  
RT: 10.26 min Scan# 1236  
Delta R.T. -0.01 min  
Lab File: BN009480.D  
Acq: 30 Jan 2020 18:30

Instrument :  
BNA\_N  
ClientSampled :  
BFM07

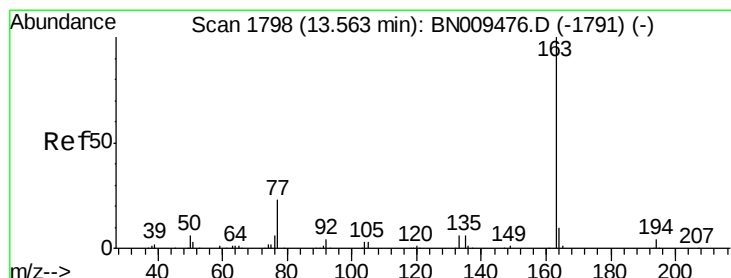
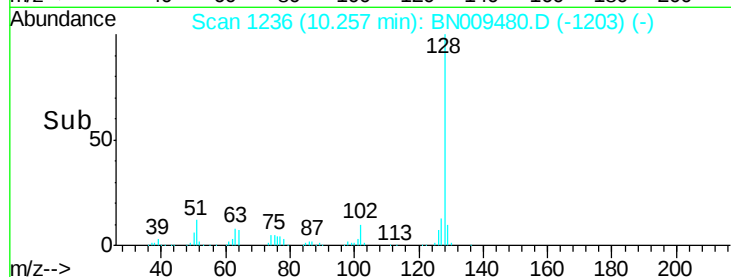
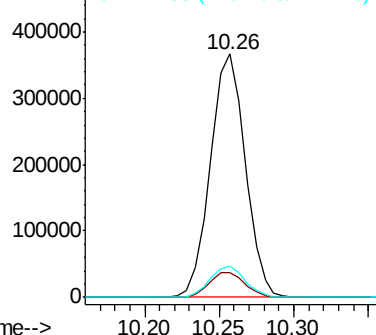
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 128     | 100   |            |       |
| 129     | 10.3  | 8.1        | 12.1  |
| 127     | 12.8  | 11.0       | 16.6  |

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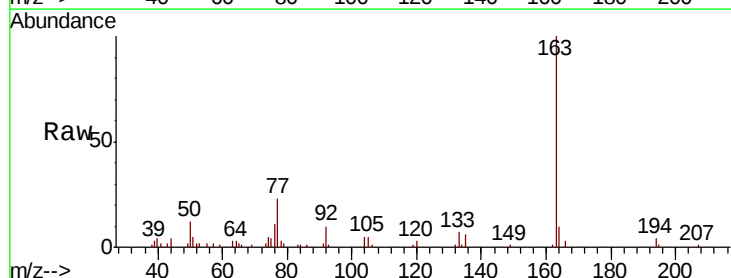


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



#44  
Dimethylphthalate  
Concen: 1.846 ng/ul  
RT: 13.56 min Scan# 1798  
Delta R.T. -0.01 min  
Lab File: BN009480.D  
Acq: 30 Jan 2020 18:30

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 3.7   | 3.1        | 4.7   |
| 164     | 9.8   | 8.3        | 12.5  |



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

