

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN020320\  
 Data File : BN009580.D  
 Acq On : 05 Feb 2020 00:40  
 Operator : CG/JU  
 Sample : L1302-20  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 C5AS6

Quant Time: Feb 05 01:23:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020320MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Feb 03 16:39:56 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.44  | 152  | 143443   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.19 | 136  | 610585   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.07 | 164  | 383507   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.83 | 188  | 822113   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.04 | 240  | 720013   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.15 | 264  | 783927   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.08  | 96  | 6618   | 1.89  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.64  | 99  | 126465 | 10.11 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.80  | 67  | 98544  | 11.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.98  | 132 | 100844 | 10.95 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.15  | 113 | 69753  | 7.00  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.58  | 128 | 51540  | 11.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.29  | 143 | 54819  | 10.82 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.83  | 165 | 97643  | 10.28 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.34 | 131 | 115088 | 11.28 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.50 | 166 | 332435 | 11.87 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.76 | 160 | 386377 | 11.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.32 | 143 | 32059  | 6.06  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.07 | 176 | 287061 | 11.66 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.22 | 200 | 31735  | 6.18  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 16.93 | 188 | 419859 | 11.24 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.23 | 212 | 512899 | 13.55 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.02 | 264 | 487576 | 12.63 | ng/ul | 0.00 |

## Target Compounds

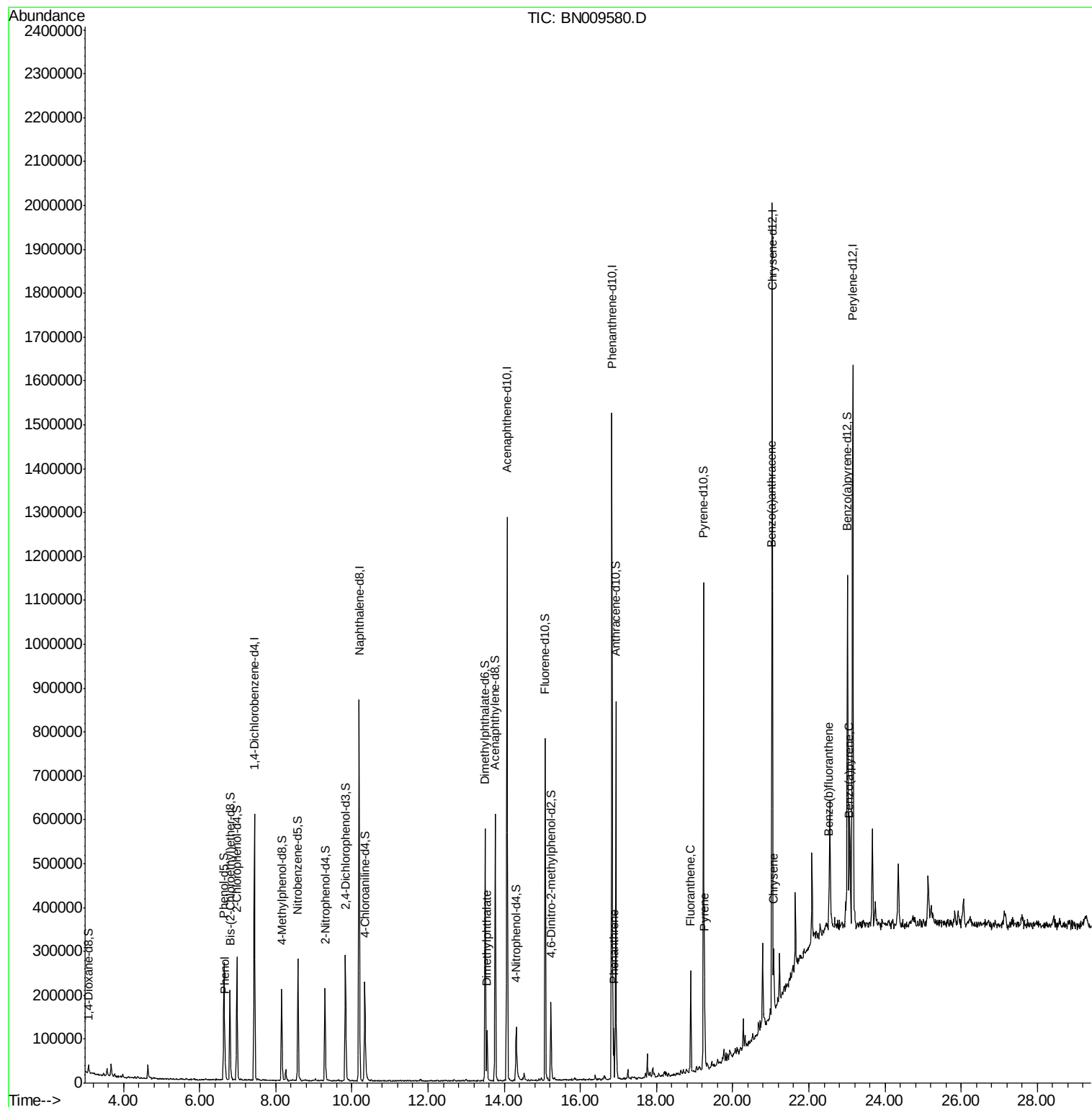
|                          |       |     |        |       | Ovalue    |
|--------------------------|-------|-----|--------|-------|-----------|
| 6) Phenol                | 6.66  | 94  | 20965  | 1.568 | ng/ul 97  |
| 44) Dimethylphthalate    | 13.55 | 163 | 72342  | 2.435 | ng/ul 99  |
| 69) Phenanthrene         | 16.87 | 178 | 63620  | 1.357 | ng/ul 99  |
| 76) Fluoranthene         | 18.90 | 202 | 123021 | 2.299 | ng/ul 97  |
| 79) Pyrene               | 19.26 | 202 | 115040 | 2.189 | ng/ul 98  |
| 82) Benzo(a)anthracene   | 21.02 | 228 | 62437  | 1.256 | ng/ul 98  |
| 84) Chrysene             | 21.07 | 228 | 64044  | 1.294 | ng/ul 97  |
| 87) Benzo(b)fluoranthene | 22.53 | 252 | 74690  | 1.523 | ng/ul# 93 |
| 90) Benzo(a)pyrene       | 23.06 | 252 | 50964  | 1.122 | ng/ul# 89 |

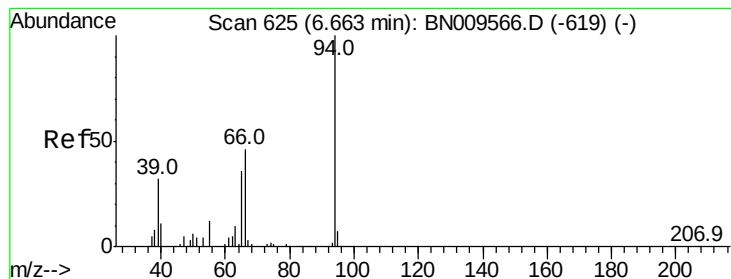
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.568 ng/ul

RT: 6.66 min Scan# 625

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

Instrument :

BNA\_N

ClientSampleId :

C5AS6

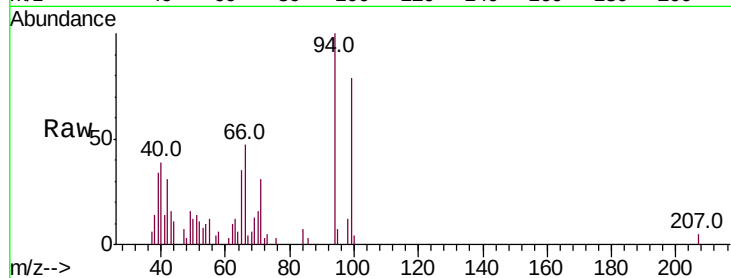
Tot Ion: 94 Resp: 20965

Ion Ratio Lower Upper

94 100

65 34.9 29.8 44.6

66 47.5 39.5 59.3



Abundance Ion 94.00 (93.70 to 94.70): BN009566.D (-619) (-)

Ion 65.00 (64.70 to 65.70): BN009566.D (-619) (-)

Ion 66.00 (65.70 to 66.70): BN009566.D (-619) (-)

6.66

15000

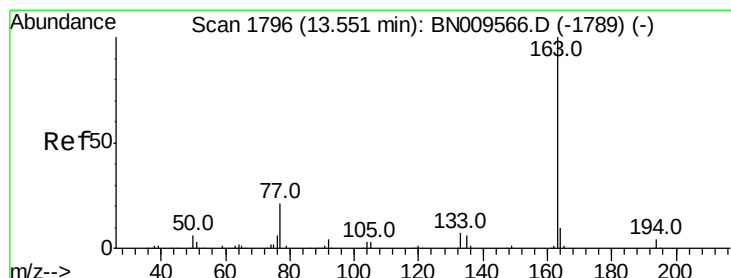
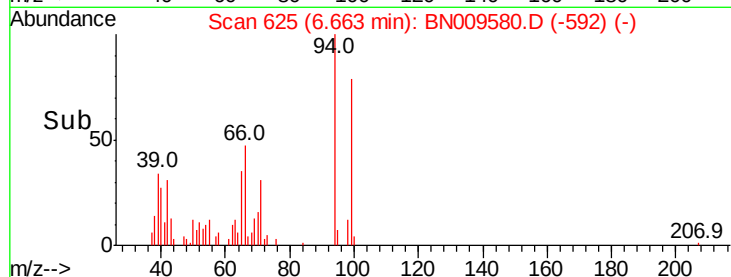
10000

5000

0

Time-->

6.60 6.65 6.70



#44

Dimethylphthalate

Concen: 2.435 ng/ul

RT: 13.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

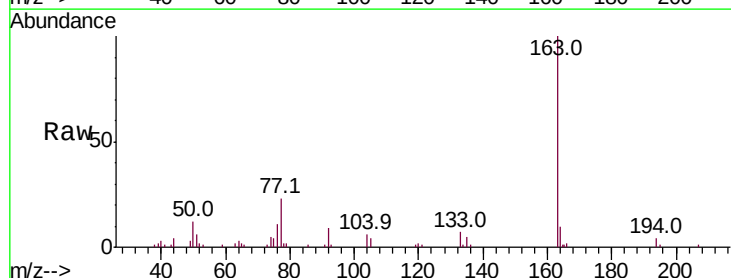
Tgt Ion:163 Resp: 72342

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

164 10.0 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): BN009566.D (-1789) (-)

Ion 194.00 (193.70 to 194.70): BN009566.D (-1789) (-)

Ion 164.00 (163.70 to 164.70): BN009566.D (-1789) (-)

13.55

60000

50000

40000

30000

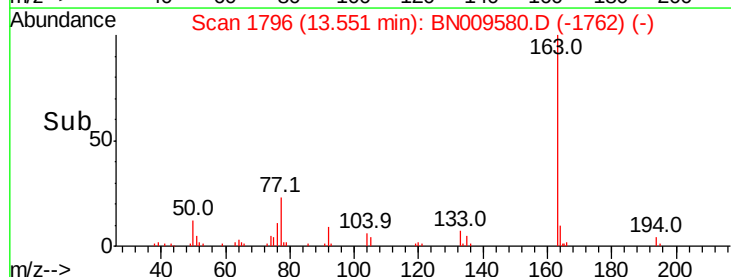
20000

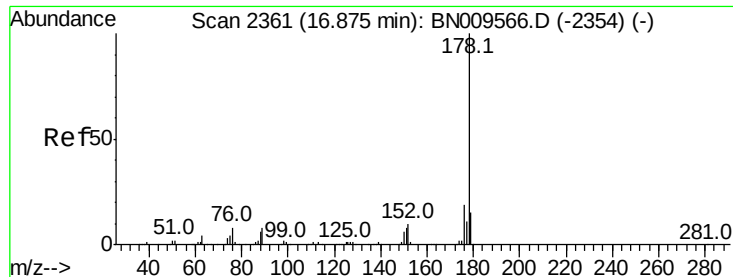
10000

0

Time-->

13.50 13.55 13.60





#69

Phenanthrene

Concen: 1.357 ng/ul

RT: 16.87 min Scan# 2360

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

Instrument :

BNA\_N

ClientSampleId :

C5AS6

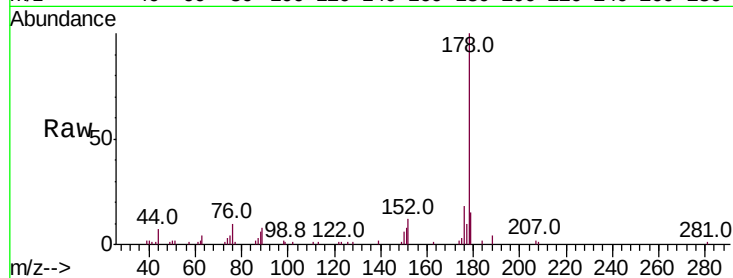
Tot Ion:178 Resp: 63620

Ion Ratio Lower Upper

178 100

179 14.5 12.2 18.2

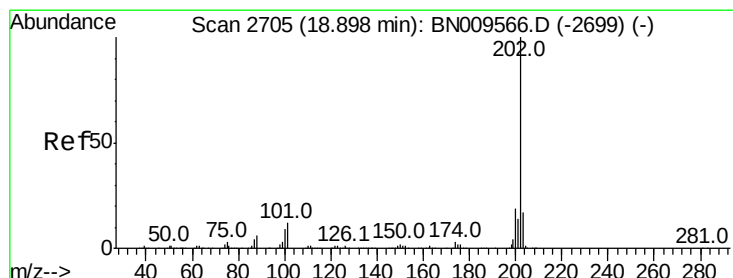
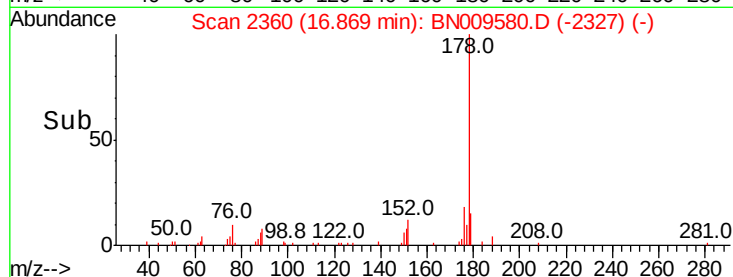
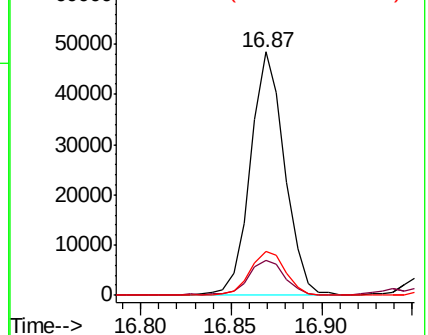
176 18.2 14.8 22.2



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



#76

Fluoranthene

Concen: 2.299 ng/ul

RT: 18.90 min Scan# 2705

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

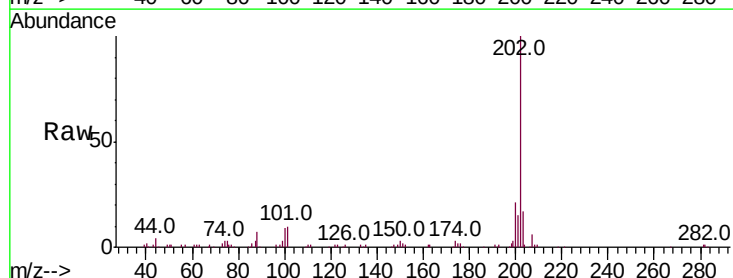
Tgt Ion:202 Resp: 123021

Ion Ratio Lower Upper

202 100

101 10.4 9.2 13.8

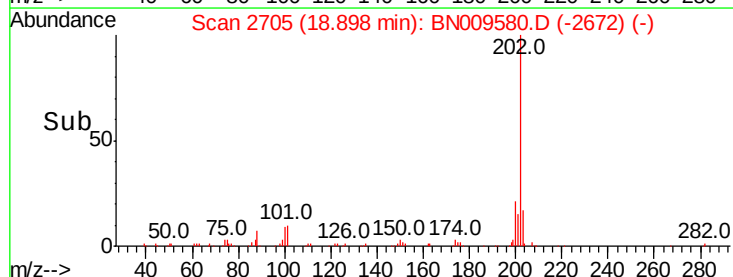
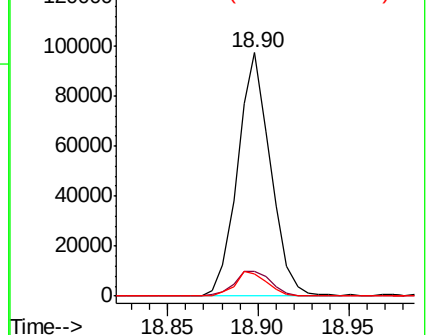
100 9.3 6.9 10.3

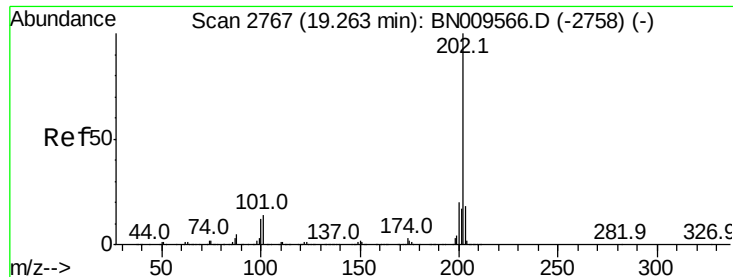


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

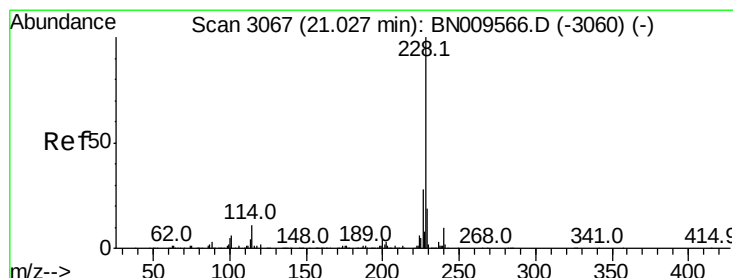
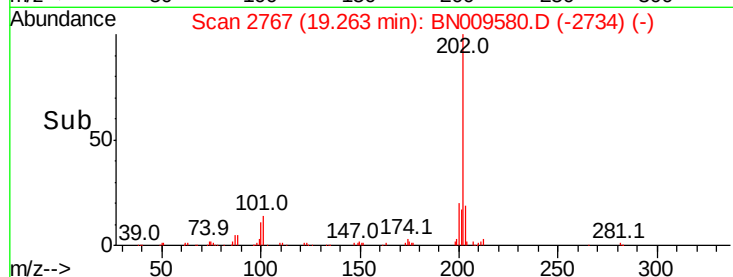
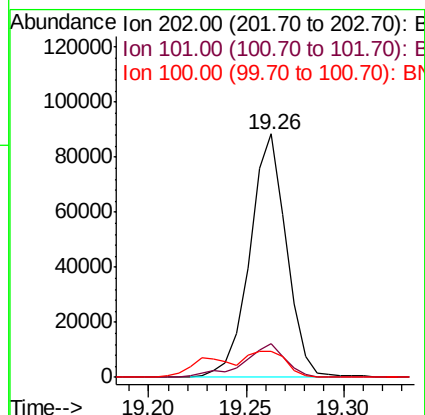
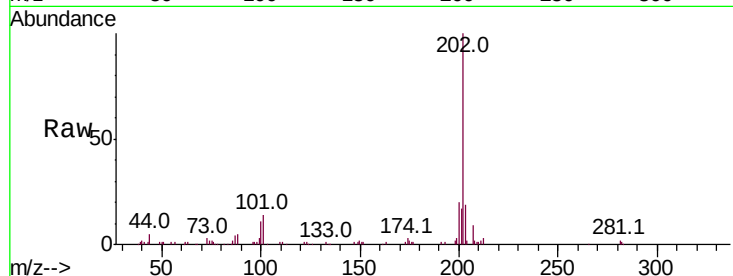




#79  
Pvrene  
Concen: 2.189 ng/ul  
RT: 19.26 min Scan# 2767  
Delta R.T. -0.01 min  
Lab File: BN009580.D  
Acq: 05 Feb 2020 00:40

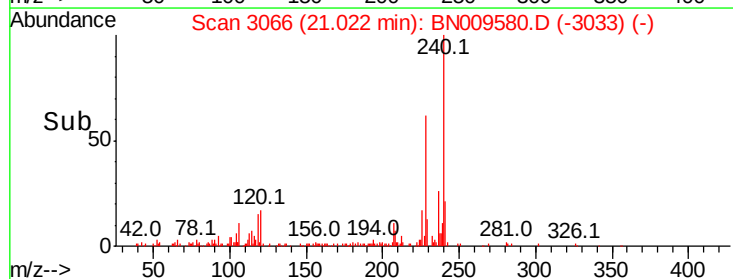
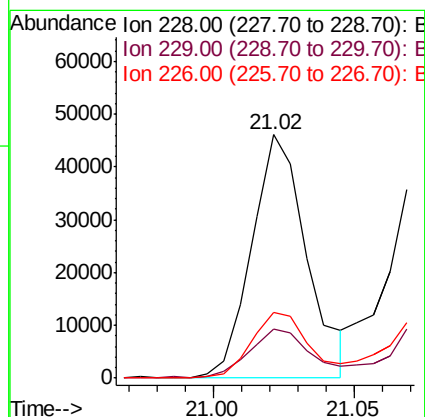
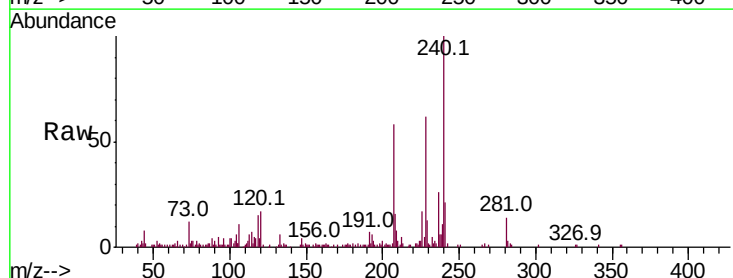
Instrument :  
BNA\_N  
ClientSampleId :  
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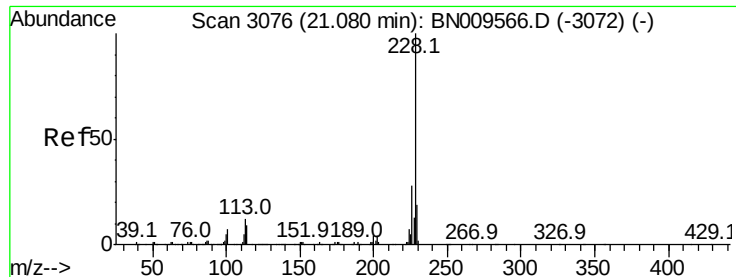
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.0  | 10.3  | 15.5  |
| 100     | 10.7  | 8.4   | 12.6  |



#82  
Benzo(a)anthracene  
Concen: 1.256 ng/ul  
RT: 21.02 min Scan# 3066  
Delta R.T. -0.01 min  
Lab File: BN009580.D  
Acq: 05 Feb 2020 00:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.2  | 15.0  | 22.4  |
| 226     | 27.0  | 20.9  | 31.3  |





#84

Chrysene

Concen: 1.294 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

Instrument :

BNA\_N

ClientSampleId :

C5AS6

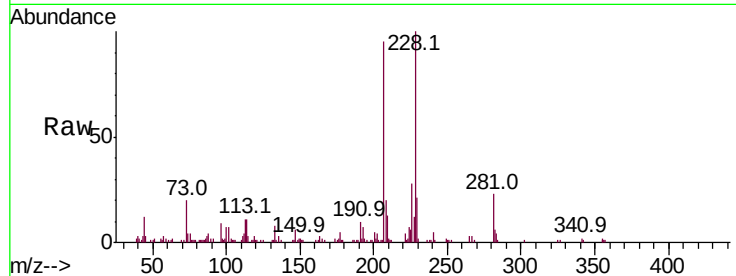
Tot Ion:228 Resp: 64044

Ion Ratio Lower Upper

228 100

226 28.3 23.5 35.3

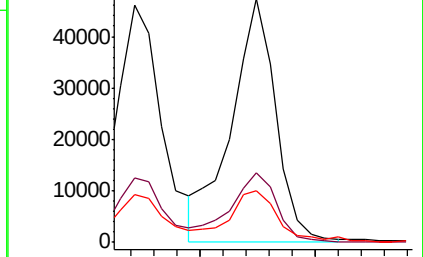
229 21.3 15.8 23.8



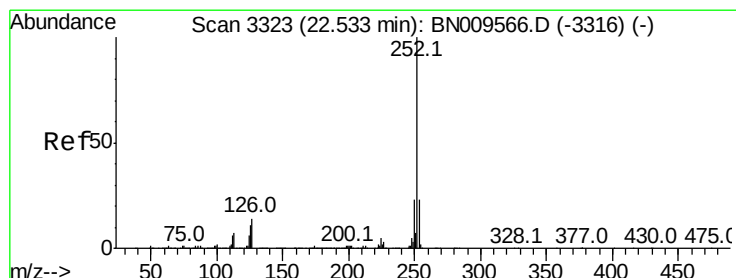
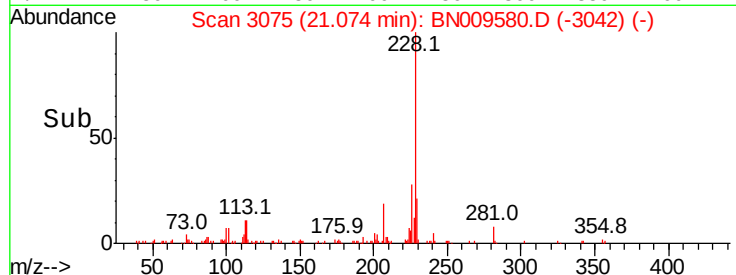
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 1.523 ng/ul

RT: 22.53 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

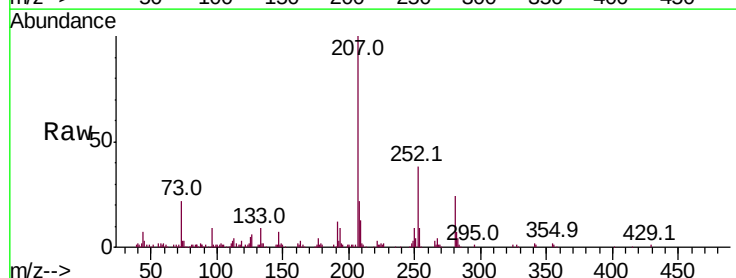
Tgt Ion:252 Resp: 74690

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.6

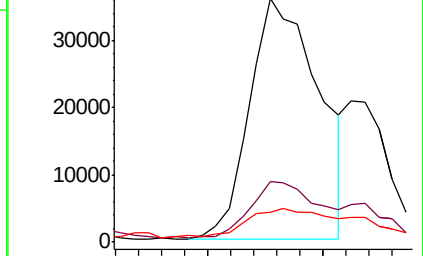
125 12.5 8.2 12.2#



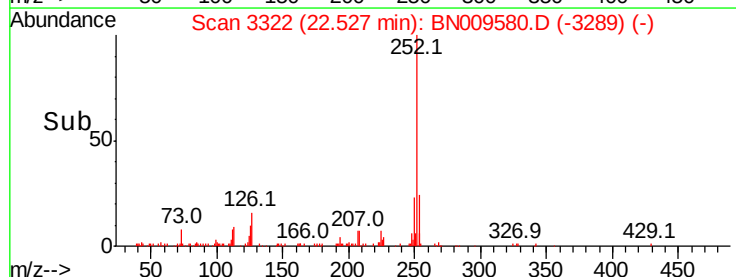
Abundance Ion 252.00 (251.70 to 252.70): E

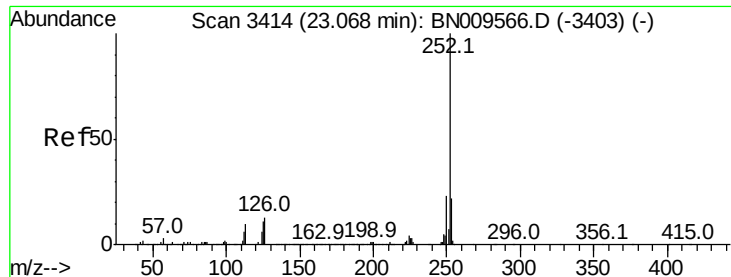
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 1.122 ng/ul

RT: 23.06 min Scan# 3412

Delta R.T. -0.01 min

Lab File: BN009580.D

Acq: 05 Feb 2020 00:40

Instrument :

BNA\_N

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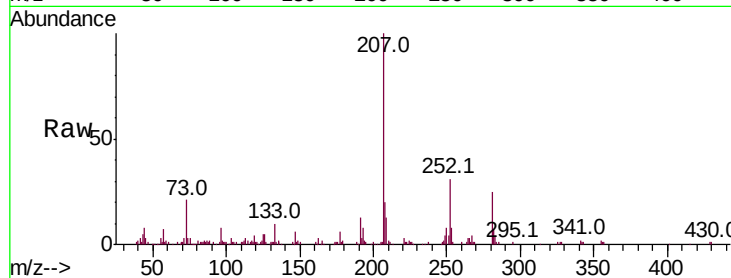
Tot Ion:252 Resp: 50964

Ion Ratio Lower Upper

252 100

253 24.2 15.8 23.8#

125 15.9 8.7 13.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

