

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121119\  
 Data File : BM024043.D  
 Acq On : 11 Dec 2019 20:52  
 Operator : JU  
 Sample : K6088-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BN2

Quant Time: Dec 12 00:45:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM112719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 07 04:26:57 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.48  | 152  | 387161   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.25 | 136  | 1665276  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.13 | 164  | 1053361  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.89 | 188  | 2117579  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.09 | 240  | 1579494  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.23 | 264  | 1778074  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96  | 29071   | 3.34  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.66  | 99  | 542898  | 16.00 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67  | 350966  | 17.78 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.01  | 132 | 442489  | 16.87 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.19  | 113 | 423798  | 15.83 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.63  | 128 | 213692  | 16.53 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.35  | 143 | 236547  | 16.10 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.88  | 165 | 438958  | 15.78 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.39 | 131 | 446696  | 14.63 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.56 | 166 | 1529456 | 18.69 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.82 | 160 | 1754617 | 18.29 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.37 | 143 | 175108  | 12.73 | ng/ul | 0.00  |
| 58) Fluorene-d10               | 15.13 | 176 | 1301191 | 18.89 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.28 | 200 | 191971  | 14.44 | ng/ul | 0.00  |
| 71) Anthracene-d10             | 16.99 | 188 | 1938017 | 19.16 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.29 | 212 | 2001196 | 24.52 | ng/ul | 0.00  |
| 90) Benzo(a)pyrene-d12         | 23.10 | 264 | 2019763 | 21.49 | ng/ul | -0.01 |

## Target Compounds

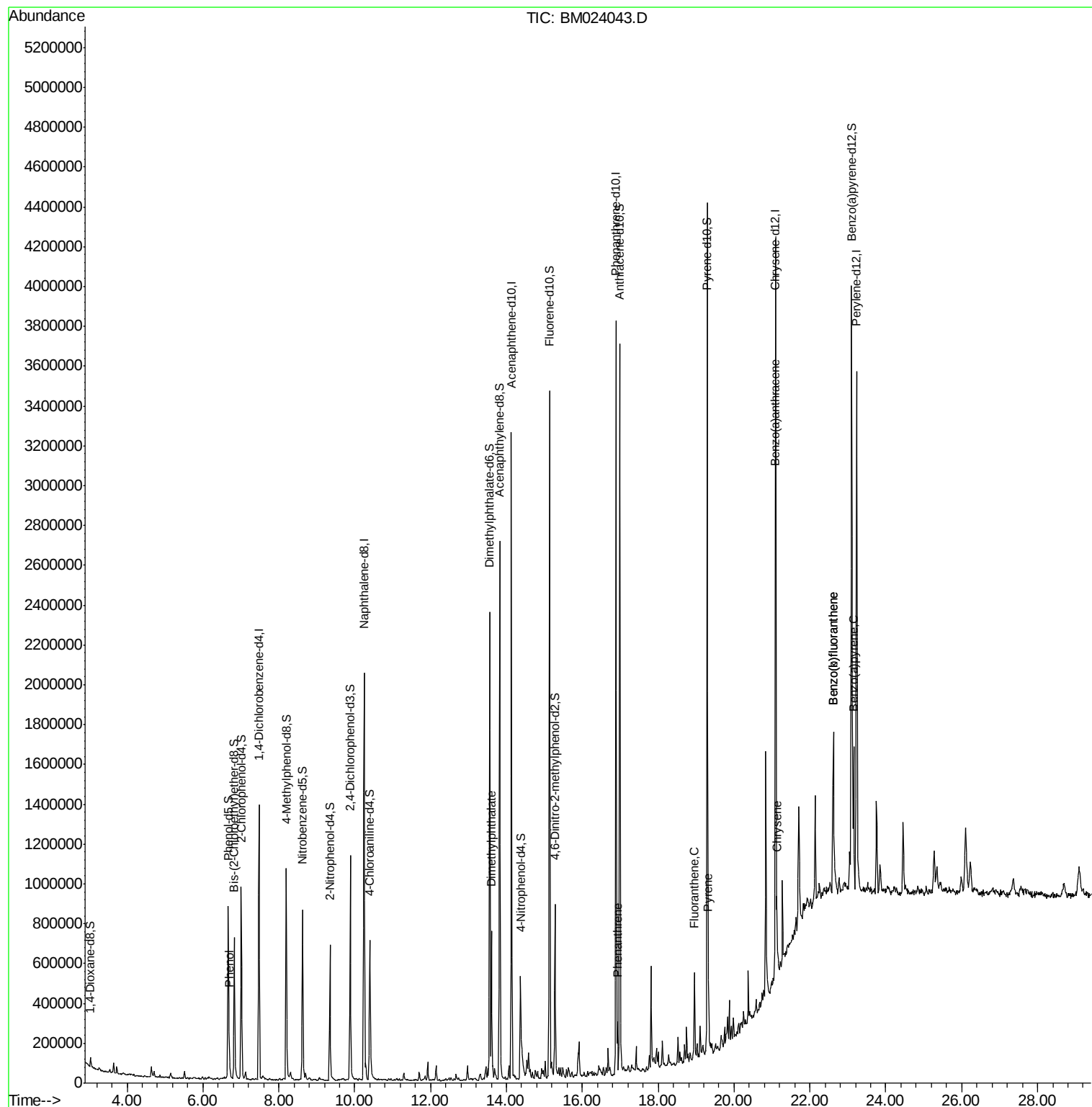
|                          |       |     |        |       | Ovalue    |
|--------------------------|-------|-----|--------|-------|-----------|
| 6) Phenol                | 6.69  | 94  | 53174  | 1.523 | ng/ul 94  |
| 45) Dimethylphthalate    | 13.60 | 163 | 478507 | 5.972 | ng/ul 100 |
| 70) Phenanthrene         | 16.93 | 178 | 140491 | 1.174 | ng/ul 99  |
| 77) Fluoranthene         | 18.96 | 202 | 236614 | 1.844 | ng/ul 99  |
| 80) Pyrene               | 19.32 | 202 | 228811 | 2.150 | ng/ul 98  |
| 83) Benzo(a)anthracene   | 21.08 | 228 | 176035 | 1.667 | ng/ul 96  |
| 85) Chrysene             | 21.13 | 228 | 196007 | 1.977 | ng/ul 96  |
| 88) Benzo(b)fluoranthene | 22.60 | 252 | 306266 | 2.785 | ng/ul# 94 |
| 89) Benzo(k)fluoranthene | 22.60 | 252 | 306266 | 2.934 | ng/ul# 94 |
| 91) Benzo(a)pyrene       | 23.14 | 252 | 183145 | 1.762 | ng/ul# 93 |

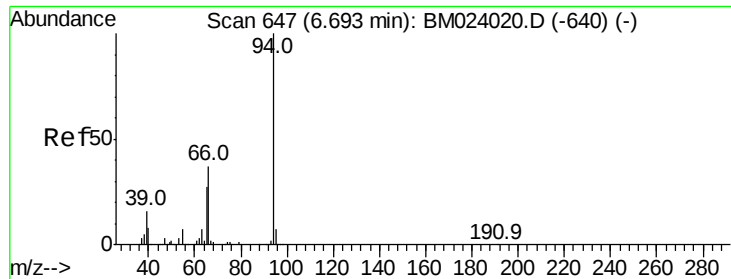
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Sat Dec 07 04:26:57 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.523 ng/ul

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

Instrument :

BNA\_M

ClientSampleId :

C0BN2

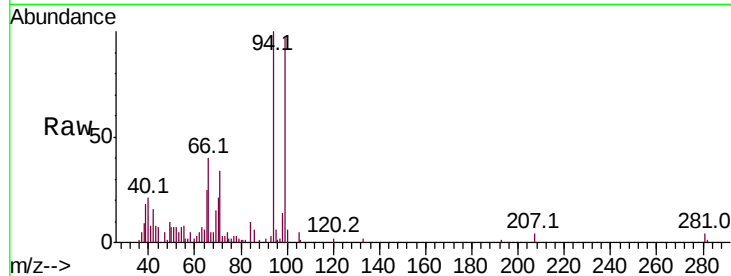
Tot Ion: 94 Resp: 53174

Ion Ratio Lower Upper

94 100

65 24.6 21.7 32.5

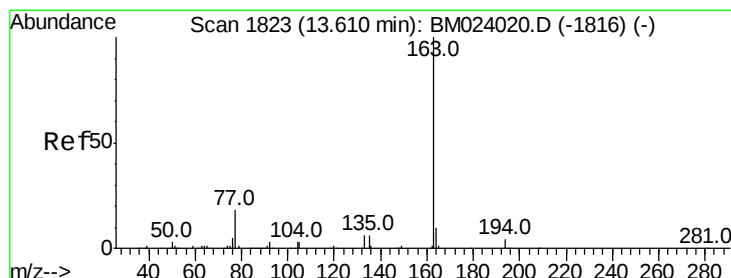
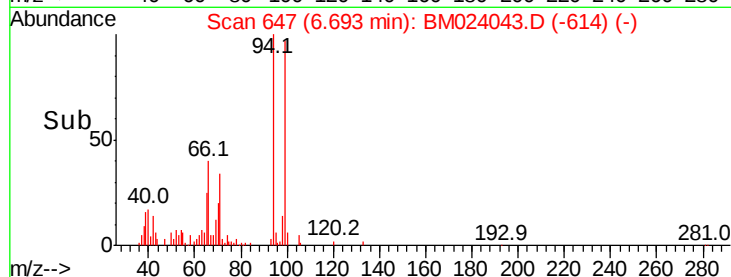
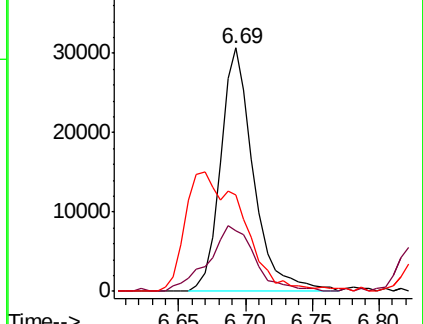
66 39.6 28.8 43.2



Abundance Ion 94.00 (93.70 to 94.70): BM024020.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM024020.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM024020.D (-640) (-)



#45

Dimethylphthalate

Concen: 5.972 ng/ul

RT: 13.60 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

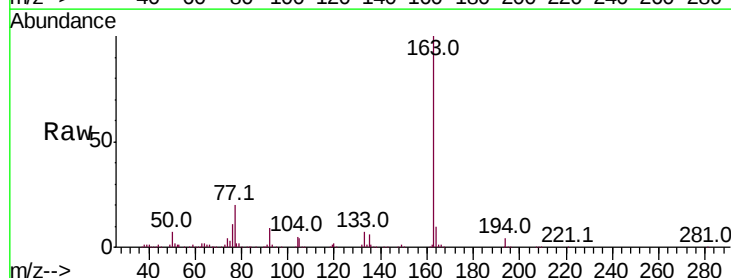
Tgt Ion:163 Resp: 478507

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

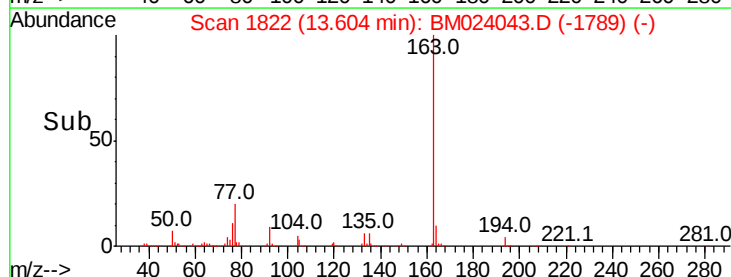
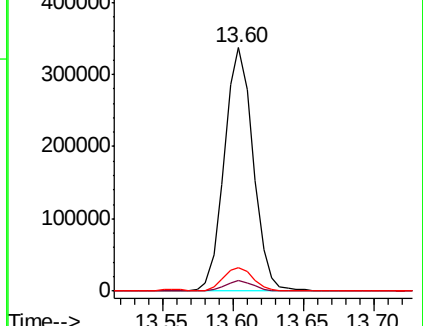
164 9.9 7.9 11.9

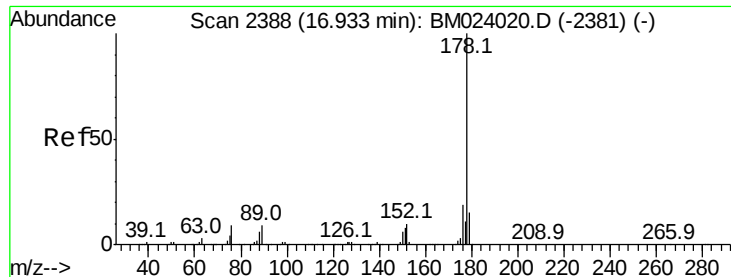


Abundance Ion 163.00 (162.70 to 163.70): BM024020.D (-1816) (-)

Ion 194.00 (193.70 to 194.70): BM024020.D (-1816) (-)

Ion 164.00 (163.70 to 164.70): BM024020.D (-1816) (-)





#70

Phenanthrene

Concen: 1.174 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

Instrument :

BNA\_M

ClientSampleId :

C0BN2

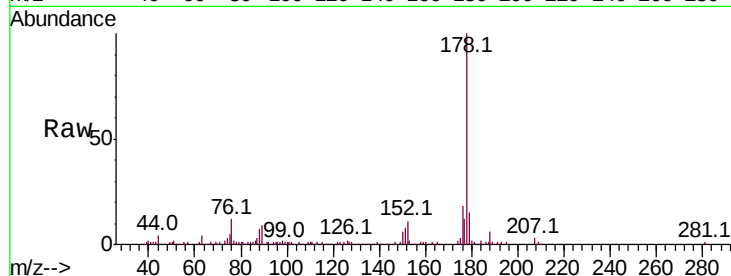
Tot Ion:178 Resp: 140491

Ion Ratio Lower Upper

178 100

179 14.6 12.0 18.0

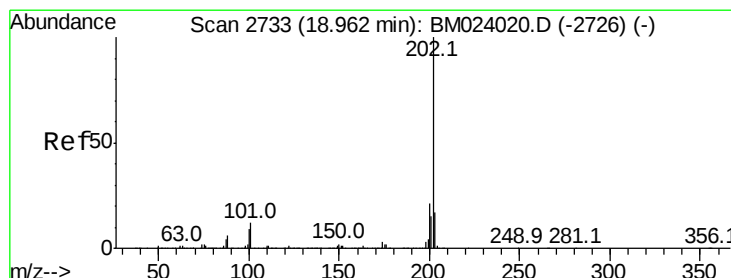
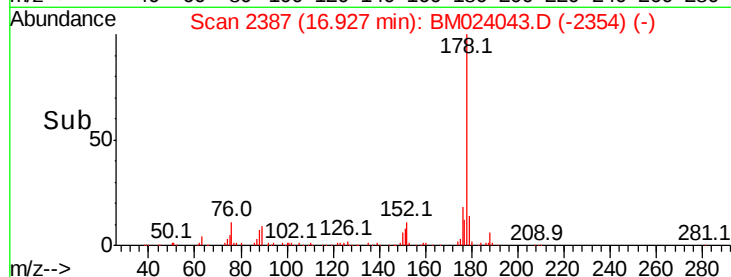
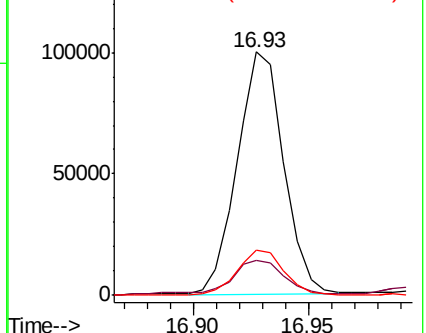
176 18.4 15.1 22.7



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



#77

Fluoranthene

Concen: 1.844 ng/ul

RT: 18.96 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

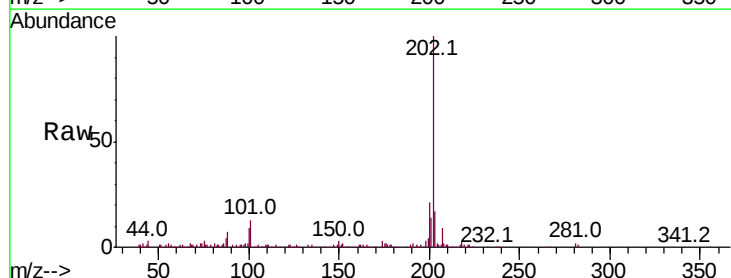
Tgt Ion:202 Resp: 236614

Ion Ratio Lower Upper

202 100

101 12.8 10.1 15.1

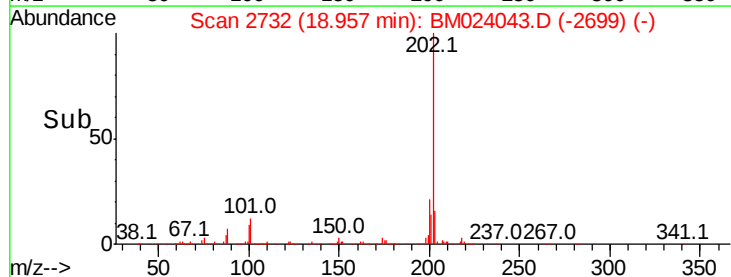
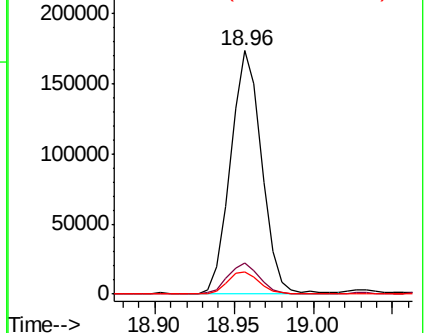
100 8.9 7.8 11.6

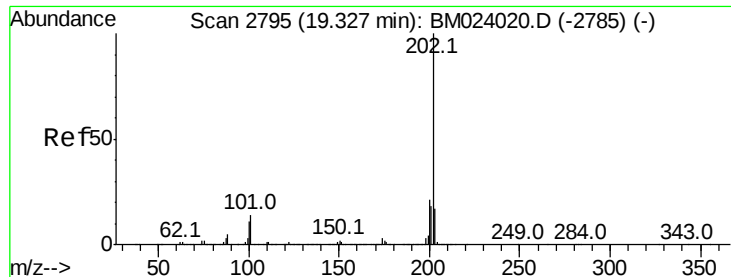


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

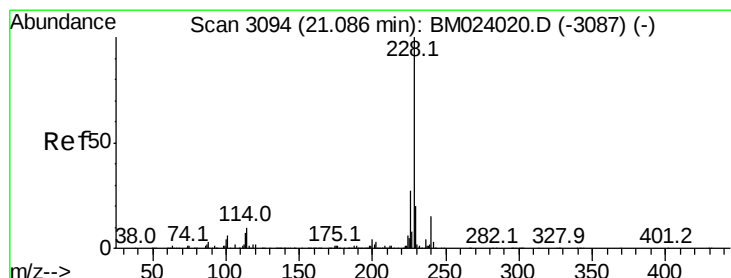
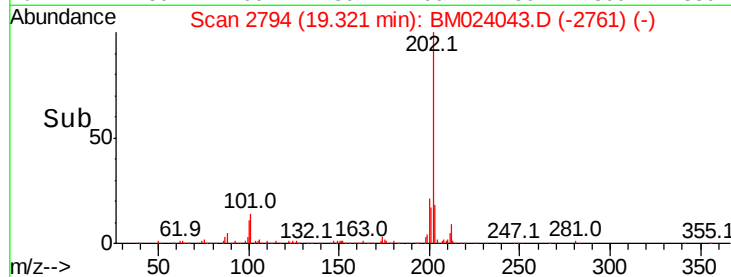
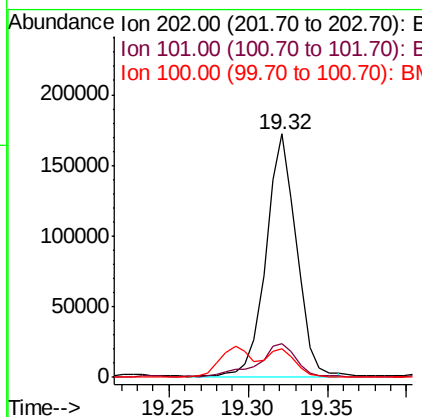
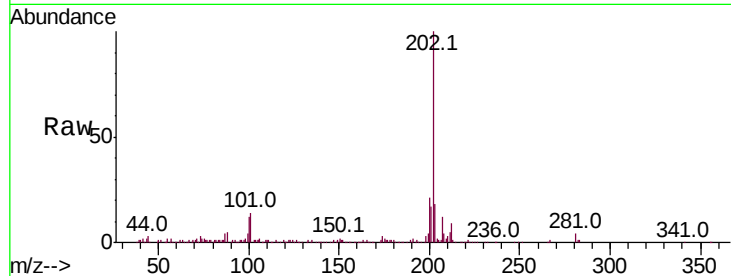




#80  
Pvrene  
Concen: 2.150 ng/ul  
RT: 19.32 min Scan# 2794  
Delta R.T. -0.01 min  
Lab File: BM024043.D  
Acq: 11 Dec 2019 20:52

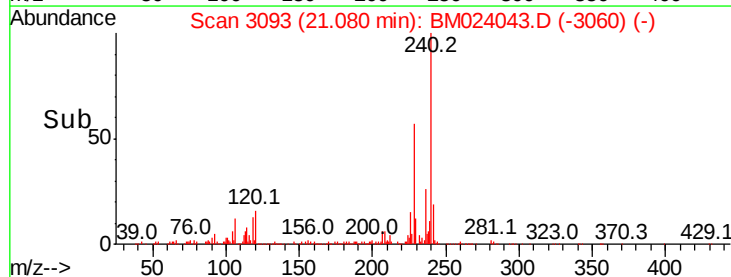
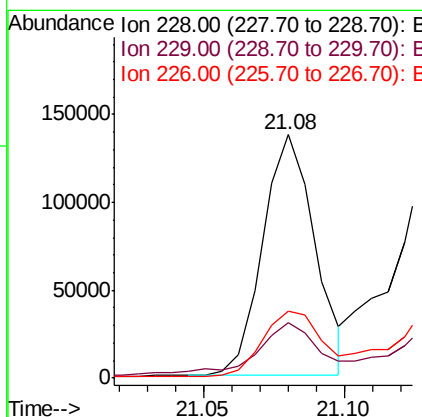
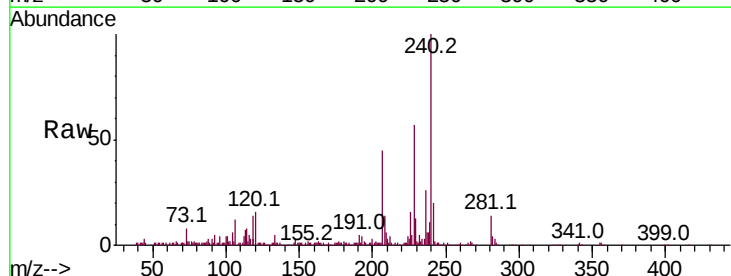
Instrument :  
BNA\_M  
ClientSampleId :  
C0BN2

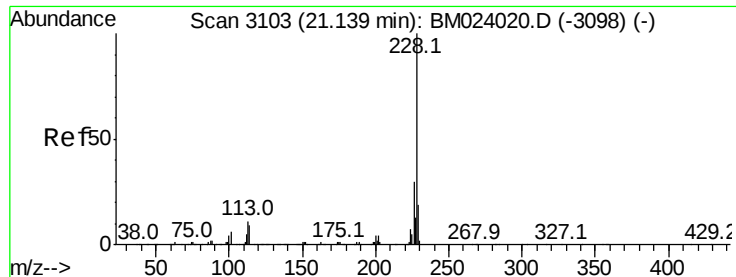
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.1  | 11.8  | 17.6  |
| 100     | 11.5  | 9.8   | 14.6  |



#83  
Benzo(a)anthracene  
Concen: 1.667 ng/ul  
RT: 21.08 min Scan# 3093  
Delta R.T. -0.01 min  
Lab File: BM024043.D  
Acq: 11 Dec 2019 20:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 22.6  | 15.6  | 23.4  |
| 226     | 27.3  | 21.4  | 32.0  |





#85

Chrysene

Concen: 1.977 ng/ul

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

Instrument :

BNA\_M

ClientSampleId :

C0BN2

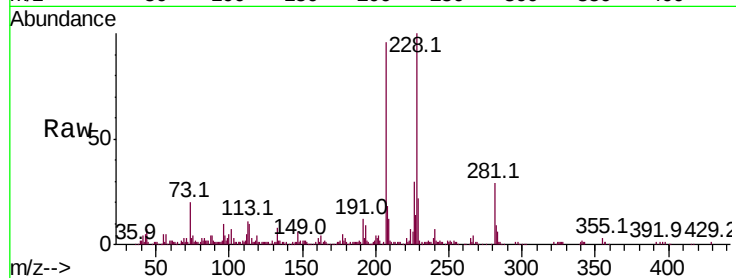
Tot Ion:228 Resp: 196007

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

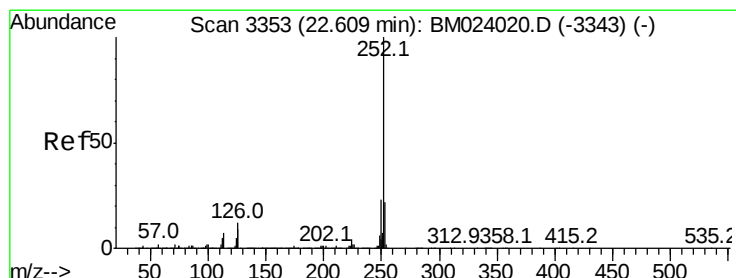
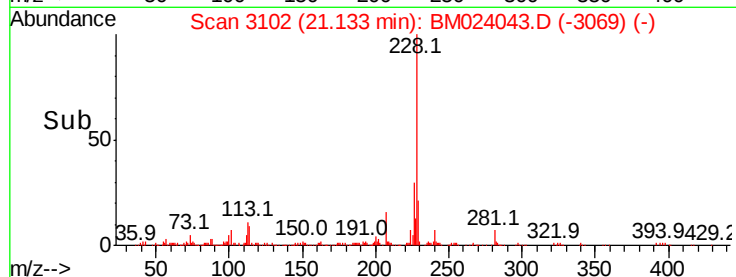
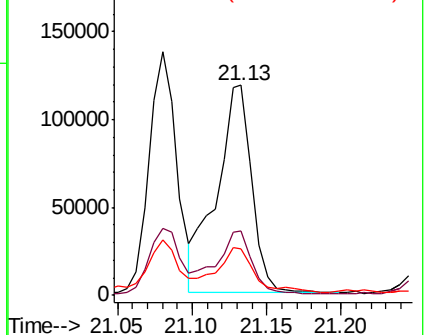
229 22.3 15.3 22.9



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



#88

Benzo(b)fluoranthene

Concen: 2.785 ng/ul

RT: 22.60 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

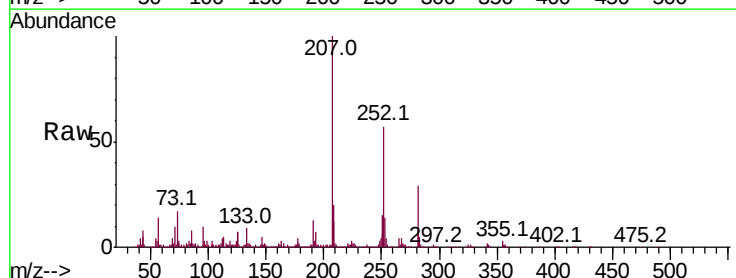
Tgt Ion:252 Resp: 306266

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

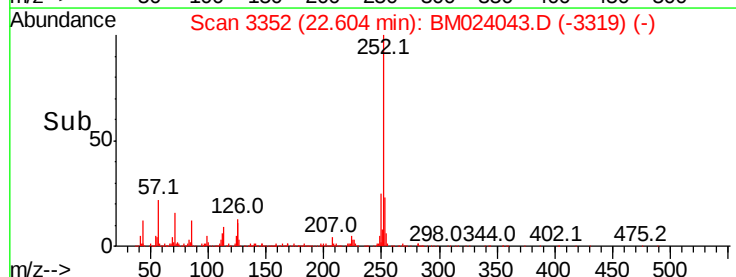
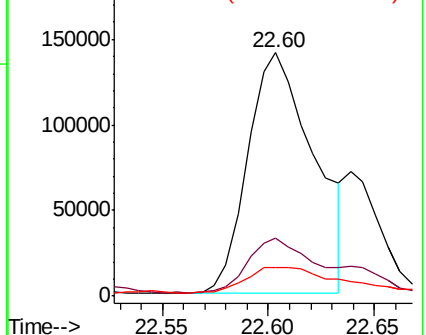
125 12.0 7.4 11.2#

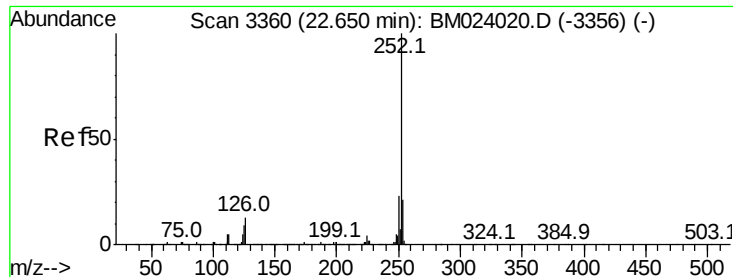


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.934 ng/ul

RT: 22.60 min Scan# 3352

Delta R.T. -0.05 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

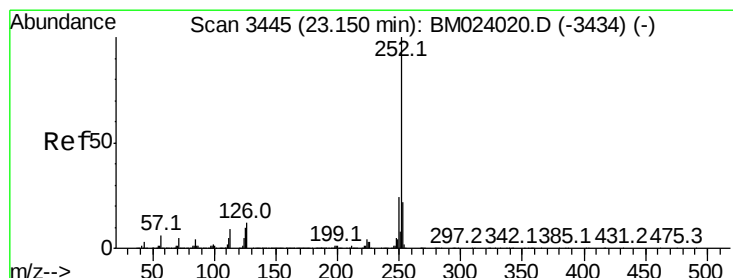
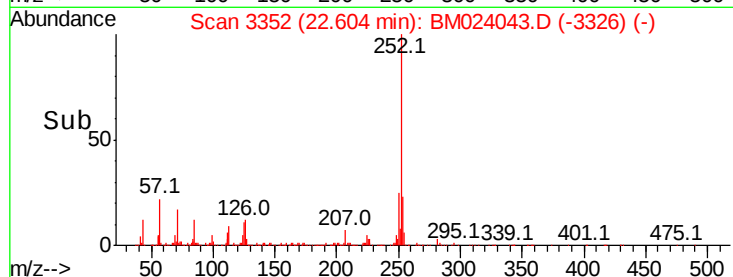
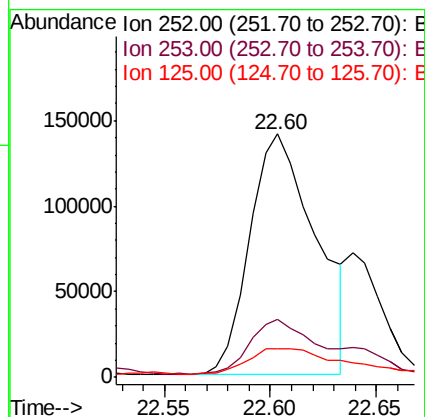
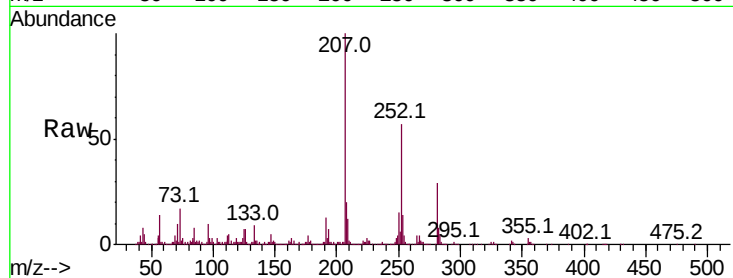
Instrument :

BNA\_M

ClientSampleId :

C0BN2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 306266 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 24.0  | 17.2  | 25.8   |
| 125       | 12.0  | 7.0   | 10.4#  |



#91

Benzo(a)pyrene

Concen: 1.762 ng/ul

RT: 23.14 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BM024043.D

Acq: 11 Dec 2019 20:52

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 183145 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.9  | 17.2  | 25.8   |
| 125       | 13.4  | 7.8   | 11.6#  |

