

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122819\  
 Data File : BM024357.D  
 Acq On : 28 Dec 2019 19:47  
 Operator : JU  
 Sample : K6278-05  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0C48

Quant Time: Dec 29 08:38:52 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sun Dec 29 01:30:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.41  | 152  | 328362   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.17 | 136  | 1507695  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.07 | 164  | 926920   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.83 | 188  | 1899862  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.05 | 240  | 1782401  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.17 | 264  | 2157837  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 2.99  | 96  | 26325   | 3.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.62  | 99  | 447228  | 14.38 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.76  | 67  | 302706  | 16.23 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 360586  | 16.26 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.14  | 113 | 342029  | 13.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.57  | 128 | 171739  | 15.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.28  | 143 | 190807  | 16.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 327701  | 14.15 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.34 | 131 | 340824  | 12.12 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.50 | 166 | 1003667 | 14.64 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.76 | 160 | 1226218 | 14.93 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.35 | 143 | 86073   | 6.99  | ng/ul | 0.02 |
| 58) Fluorene-d10               | 15.08 | 176 | 890600  | 14.82 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 82368   | 7.11  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.93 | 188 | 1296031 | 14.99 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.24 | 212 | 1403538 | 16.53 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.04 | 264 | 1660508 | 15.49 | ng/ul | 0.00 |

## Target Compounds

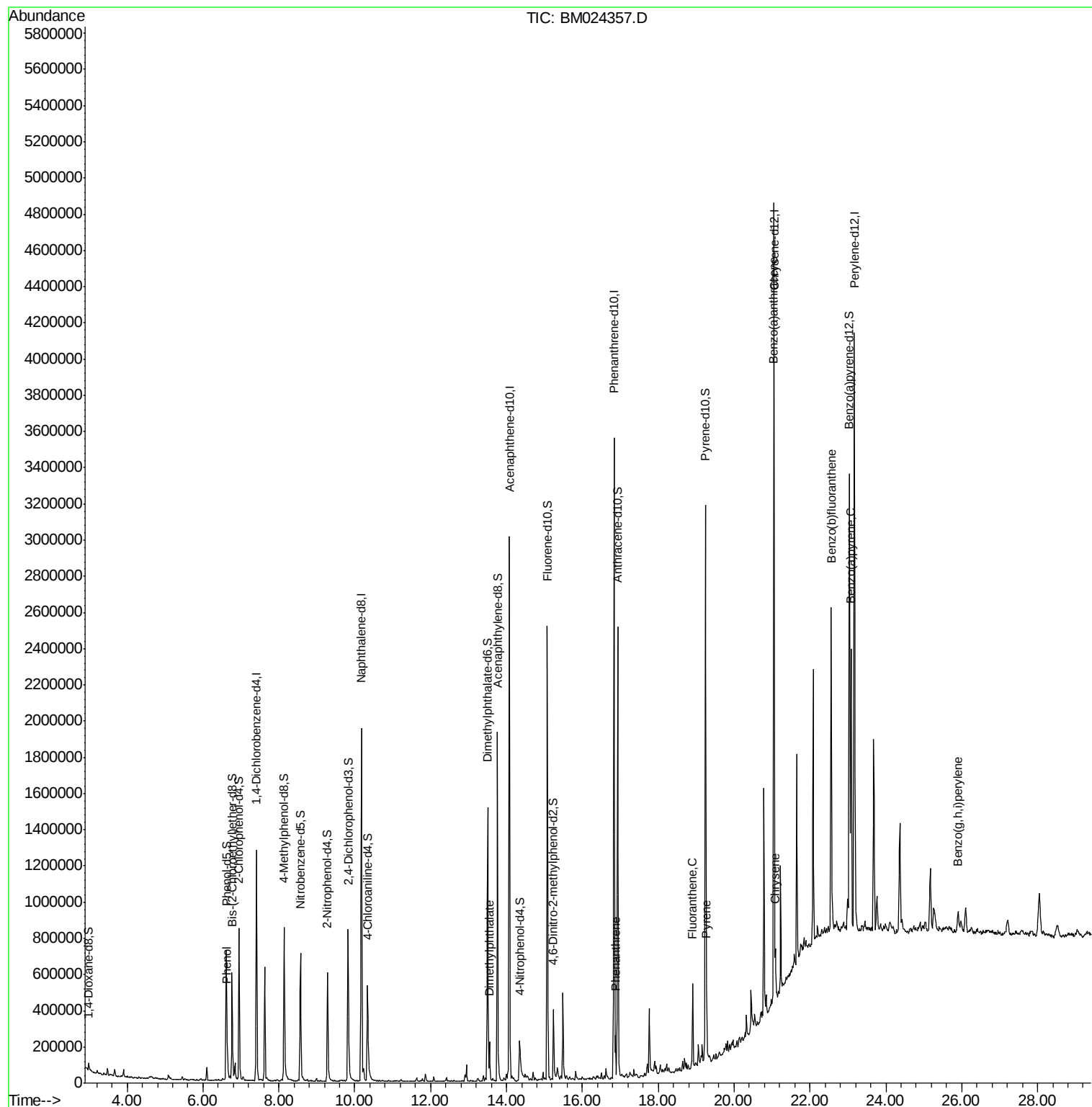
|                          |       |     |        | Ovalue |           |
|--------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                | 6.64  | 94  | 58403  | 1.819  | ng/ul# 87 |
| 45) Dimethylphthalate    | 13.55 | 163 | 127807 | 1.794  | ng/ul 99  |
| 70) Phenanthrene         | 16.87 | 178 | 113598 | 1.068  | ng/ul 99  |
| 77) Fluoranthene         | 18.91 | 202 | 241333 | 2.082  | ng/ul 100 |
| 80) Pyrene               | 19.27 | 202 | 213421 | 1.834  | ng/ul 100 |
| 83) Benzo(a)anthracene   | 21.04 | 228 | 118125 | 1.040  | ng/ul 97  |
| 85) Chrysene             | 21.09 | 228 | 143342 | 1.288  | ng/ul 97  |
| 88) Benzo(b)fluoranthene | 22.55 | 252 | 231081 | 1.790  | ng/ul# 92 |
| 91) Benzo(a)pyrene       | 23.08 | 252 | 139395 | 1.193  | ng/ul# 84 |
| 94) Benzo(a,h,i)perylene | 25.90 | 276 | 118892 | 1.038  | ng/ul 97  |

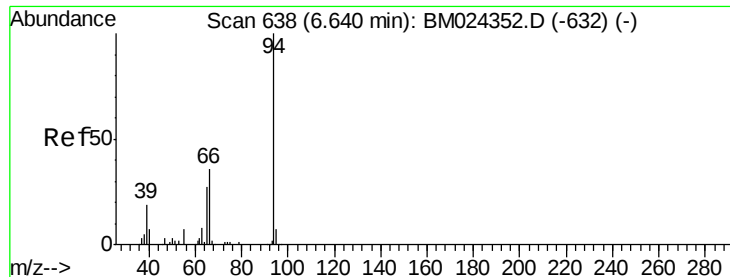
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Sun Dec 29 01:30:05 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 1.819 ng/ul

RT: 6.64 min Scan# 638

Delta R.T. -0.00 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

Instrument :

BNA\_M

ClientSampleId :

C0C48

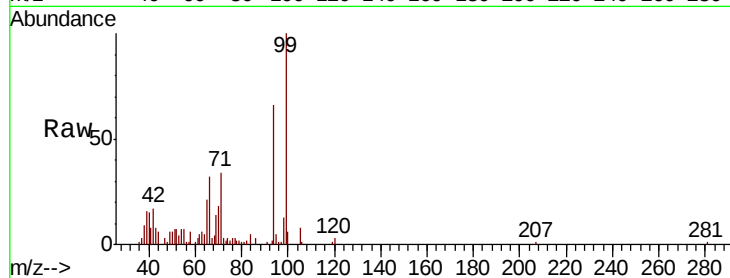
Tot Ion: 94 Resp: 58403

Ion Ratio Lower Upper

94 100

65 31.9 22.6 33.8

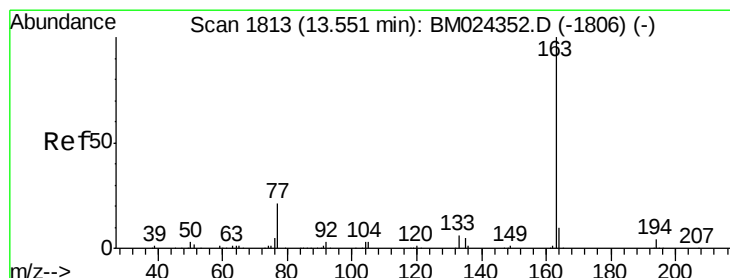
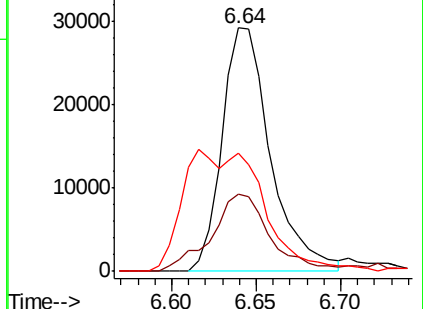
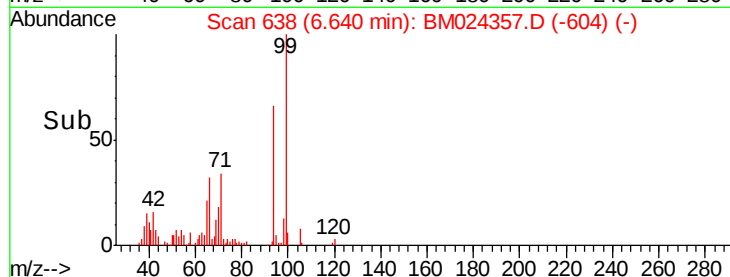
66 48.6 30.7 46.1#



Abundance Ion 94.00 (93.70 to 94.70): BM024357.D (-604) (-)

Ion 65.00 (64.70 to 65.70): BM024357.D (-604) (-)

Ion 66.00 (65.70 to 66.70): BM024357.D (-604) (-)



#45

Dimethylphthalate

Concen: 1.794 ng/ul

RT: 13.55 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

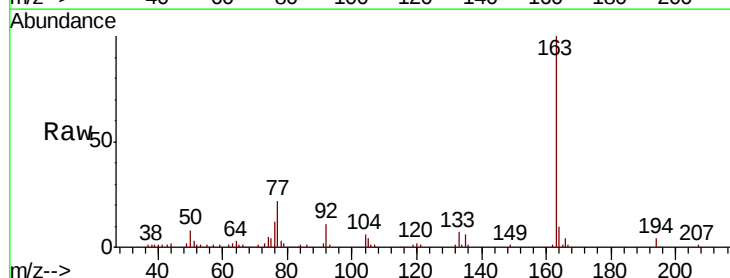
Tgt Ion:163 Resp: 127807

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

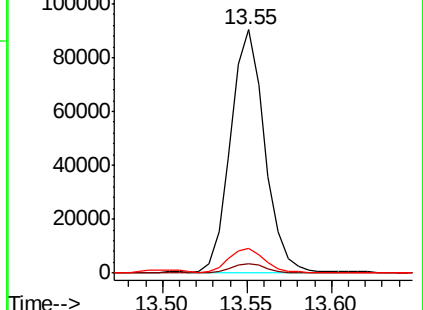
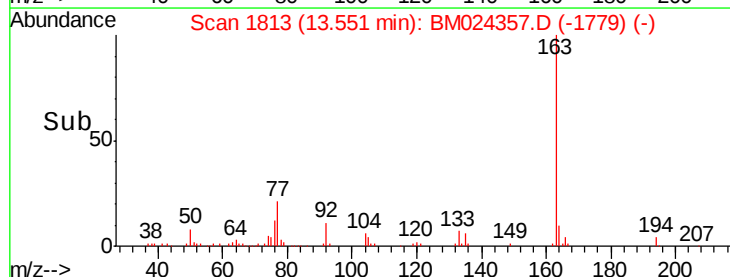
164 10.3 7.8 11.6

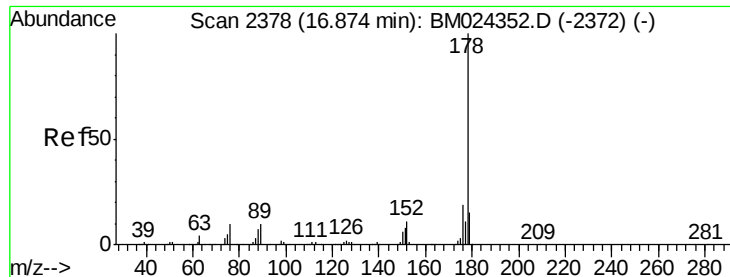


Abundance Ion 163.00 (162.70 to 163.70): BM024357.D (-1779) (-)

Ion 194.00 (193.70 to 194.70): BM024357.D (-1779) (-)

Ion 164.00 (163.70 to 164.70): BM024357.D (-1779) (-)

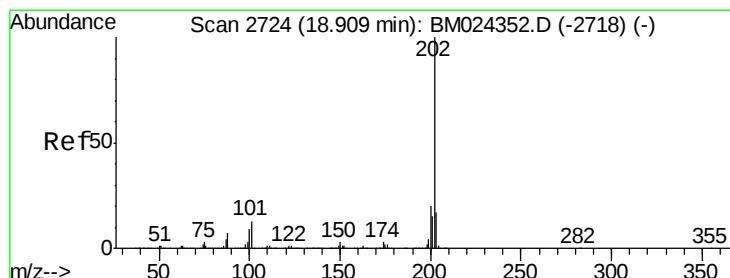
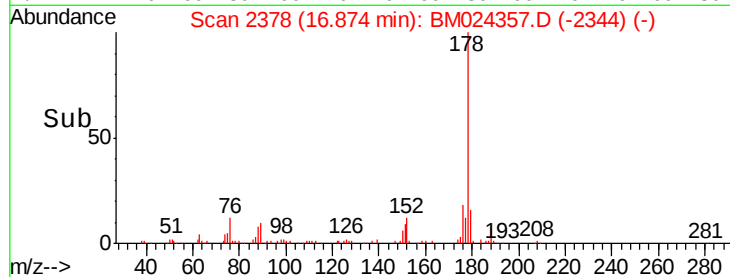
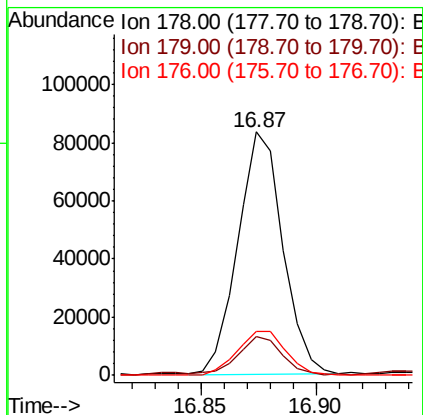
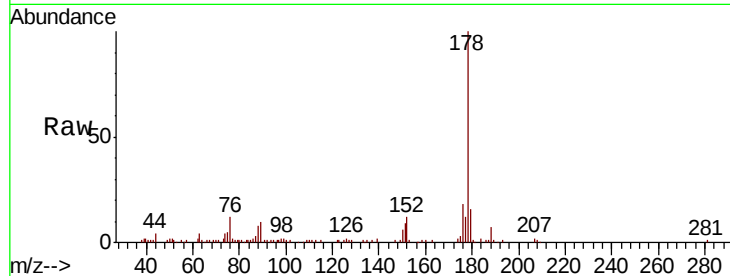




#70  
Phenanthrene  
Concen: 1.068 ng/ul  
RT: 16.87 min Scan# 2378  
Delta R.T. -0.00 min  
Lab File: BM024357.D  
Acq: 28 Dec 2019 19:47

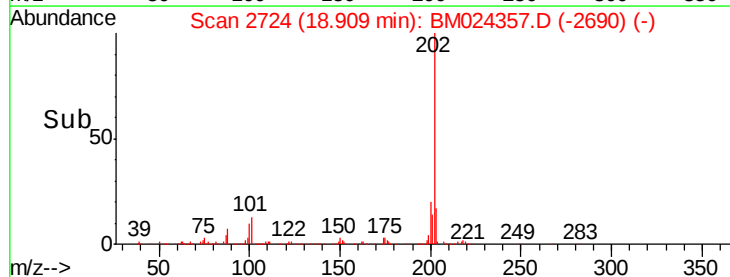
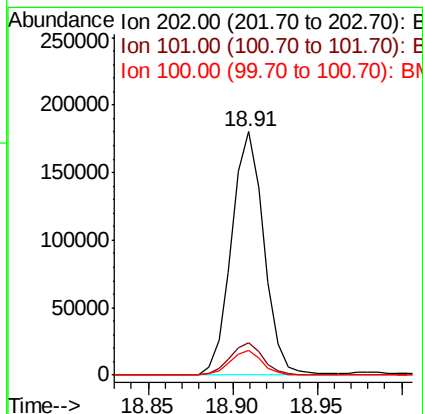
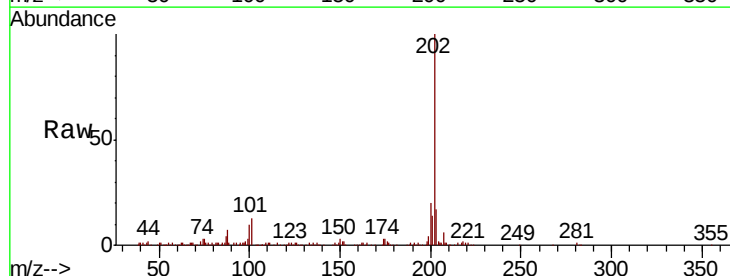
Instrument :  
BNA\_M  
ClientSampleId :  
C0C48

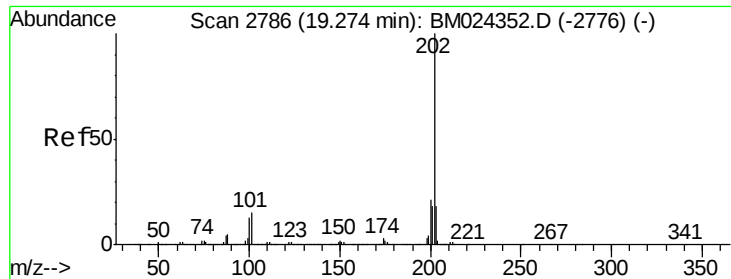
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.0  | 12.6  | 19.0  |
| 176     | 18.2  | 15.1  | 22.7  |



#77  
Fluoranthene  
Concen: 2.082 ng/ul  
RT: 18.91 min Scan# 2724  
Delta R.T. -0.00 min  
Lab File: BM024357.D  
Acq: 28 Dec 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.2  | 10.6  | 15.8  |
| 100     | 10.0  | 8.1   | 12.1  |





#80

Pvrene

Concen: 1.834 ng/ul

RT: 19.27 min Scan# 2786

Delta R.T. -0.00 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

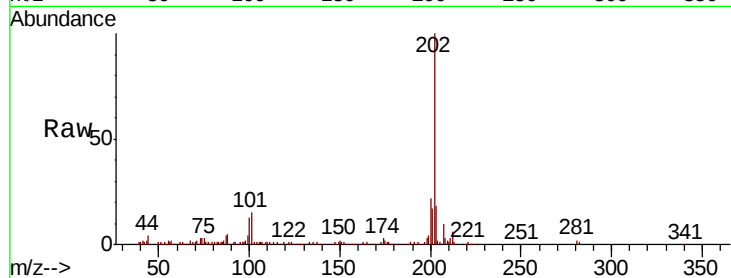
Instrument :

BNA\_M

ClientSampleId :

C0C48

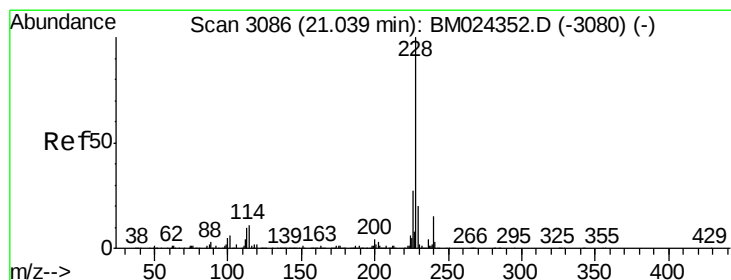
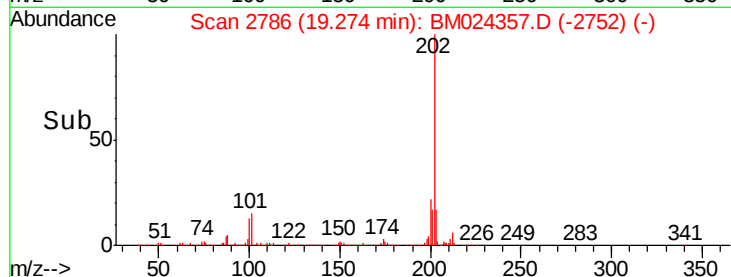
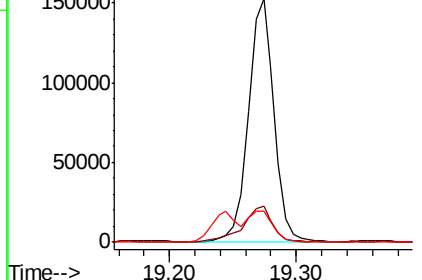
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 213421 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 15.1  | 12.2  | 18.4   |
| 100      | 12.7  | 10.0  | 15.0   |



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



#83

Benzo(a)anthracene

Concen: 1.040 ng/ul

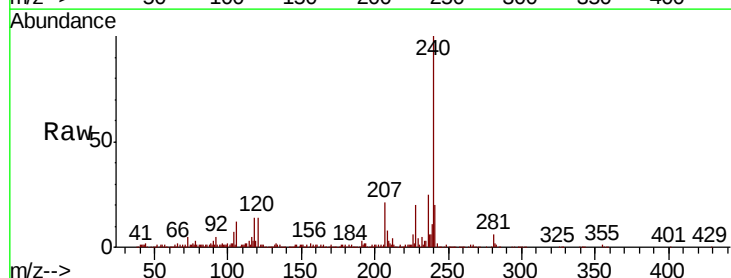
RT: 21.04 min Scan# 3086

Delta R.T. -0.00 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

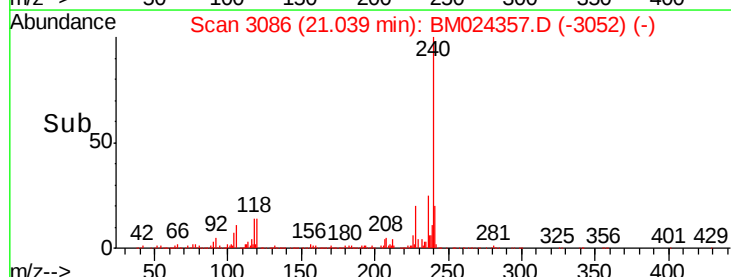
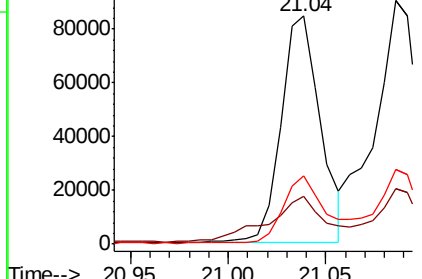
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 228   | Resp: | 118125 |
| Ion      | Ratio | Lower | Upper  |
| 228      | 100   |       |        |
| 229      | 20.8  | 15.8  | 23.8   |
| 226      | 29.8  | 22.2  | 33.2   |

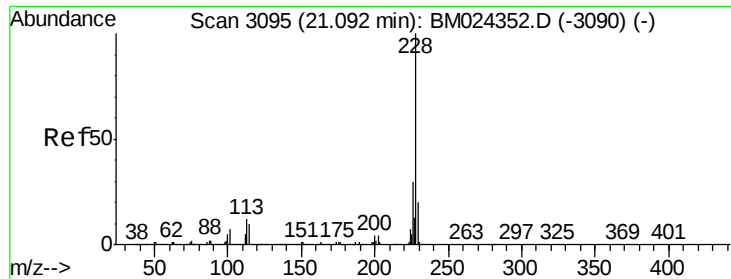


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

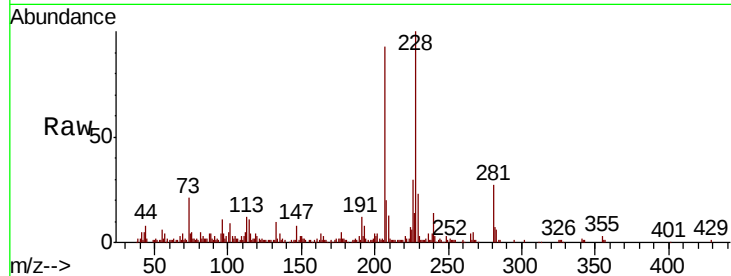




#85  
Chrysene  
Concen: 1.288 ng/ul  
RT: 21.09 min Scan# 3094  
Delta R.T. -0.01 min  
Lab File: BM024357.D  
Acq: 28 Dec 2019 19:47

Instrument :  
BNA\_M  
ClientSampleId :  
C0C48

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 24.0  | 36.0  |
| 229     | 22.7  | 15.4  | 23.2  |

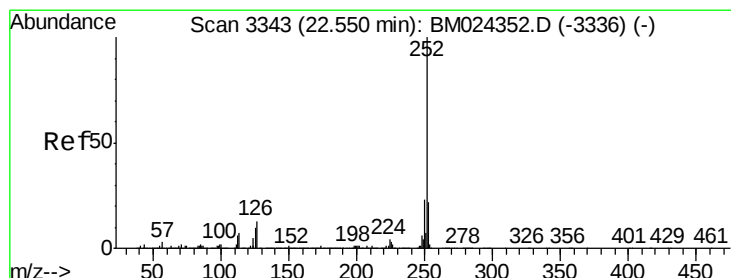
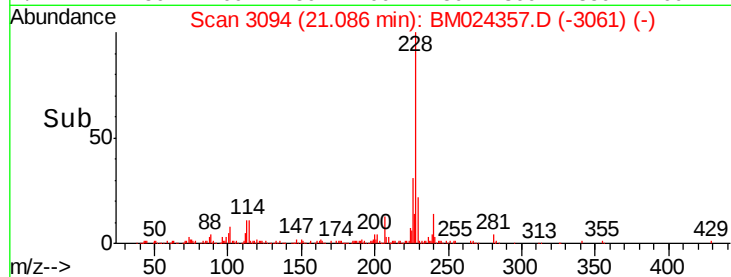
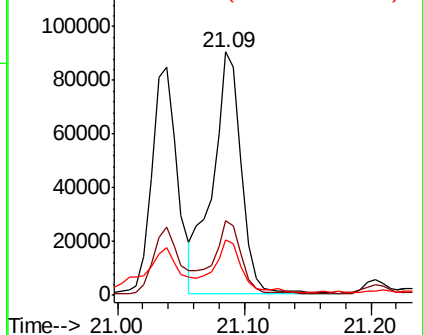


Abundance

Ion 228.00 (227.70 to 228.70): E

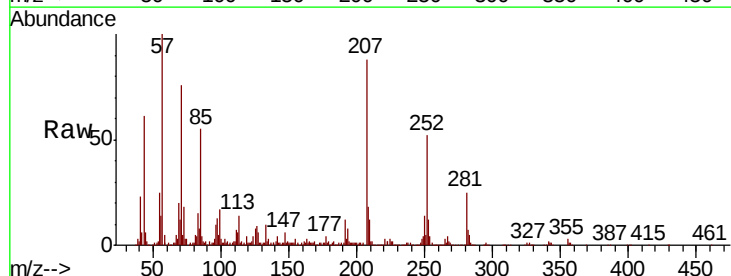
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#88  
Benzo(b)fluoranthene  
Concen: 1.790 ng/ul  
RT: 22.55 min Scan# 3343  
Delta R.T. -0.00 min  
Lab File: BM024357.D  
Acq: 28 Dec 2019 19:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.2  | 25.8  |
| 125     | 16.2  | 7.8   | 11.8# |

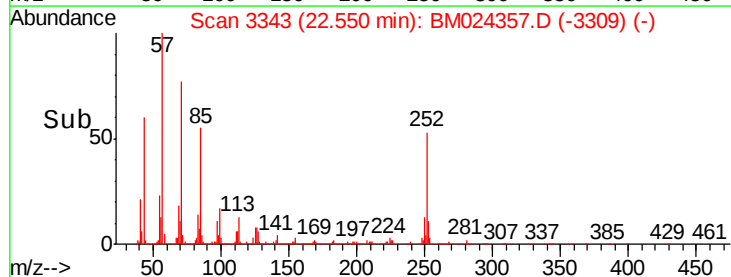
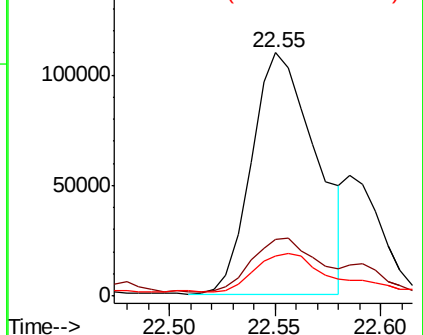


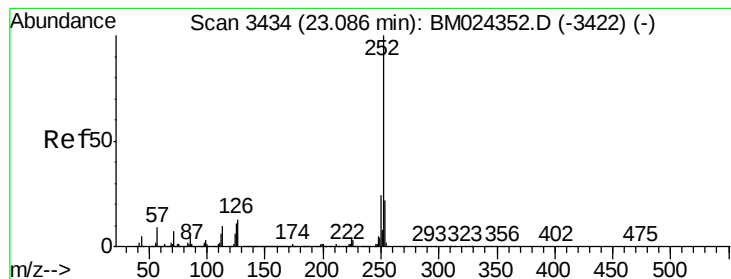
Abundance

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





#91

Benzo(a)pyrene

Concen: 1.193 ng/ul

RT: 23.08 min Scan# 3433

Delta R.T. -0.01 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

Instrument :

BNA\_M

ClientSampleID :

C0C48

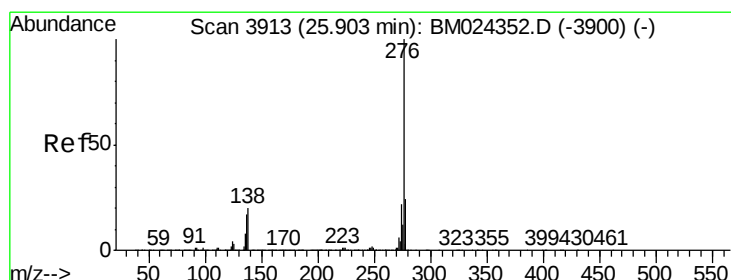
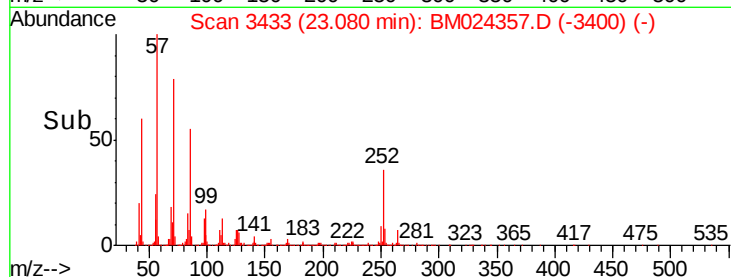
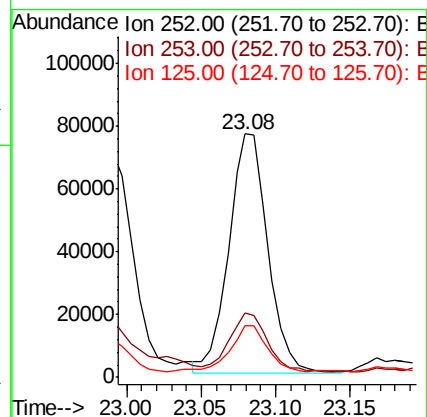
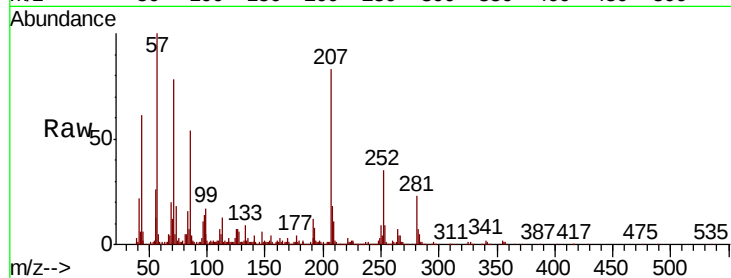
Tot Ion:252 Resp: 139395

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 21.2 8.2 12.4#



#94

Benzo(g,h,i)perylene

Concen: 1.038 ng/ul

RT: 25.90 min Scan# 3913

Delta R.T. -0.00 min

Lab File: BM024357.D

Acq: 28 Dec 2019 19:47

Tgt Ion:276 Resp: 118892

Ion Ratio Lower Upper

276 100

138 20.0 15.3 22.9

277 25.9 19.3 28.9

