

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122819\  
 Data File : BM024361.D  
 Acq On : 28 Dec 2019 22:11  
 Operator : JU  
 Sample : K6278-20  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Dec 29 01:32:58 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  | 242856   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.17 | 136  | 989401   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.07 | 164  | 554767   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.83 | 188  | 1126278  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.05 | 240  | 1076458  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.17 | 264  | 1304493  | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds    |       |     |         |       |       |      |
| 3) 1,4-Dioxane-d8              | 2.99  | 96  | 28281   | 5.14  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.62  | 99  | 469463  | 20.42 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.77  | 67  | 326550  | 23.68 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 6.95  | 132 | 380763  | 23.22 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.14  | 113 | 318058  | 16.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.57  | 128 | 178102  | 25.05 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.28  | 143 | 193648  | 24.77 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.82  | 165 | 342309  | 22.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.34 | 131 | 346130  | 18.75 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.50 | 166 | 1017335 | 24.80 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.76 | 160 | 1255738 | 25.55 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.35 | 143 | 107483  | 14.59 | ng/ul | 0.01 |
| 58) Fluorene-d10               | 15.08 | 176 | 900695  | 25.04 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 85953   | 12.51 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 16.93 | 188 | 1268551 | 24.75 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.24 | 212 | 1426892 | 27.83 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.04 | 264 | 1704561 | 26.31 | ng/ul | 0.00 |

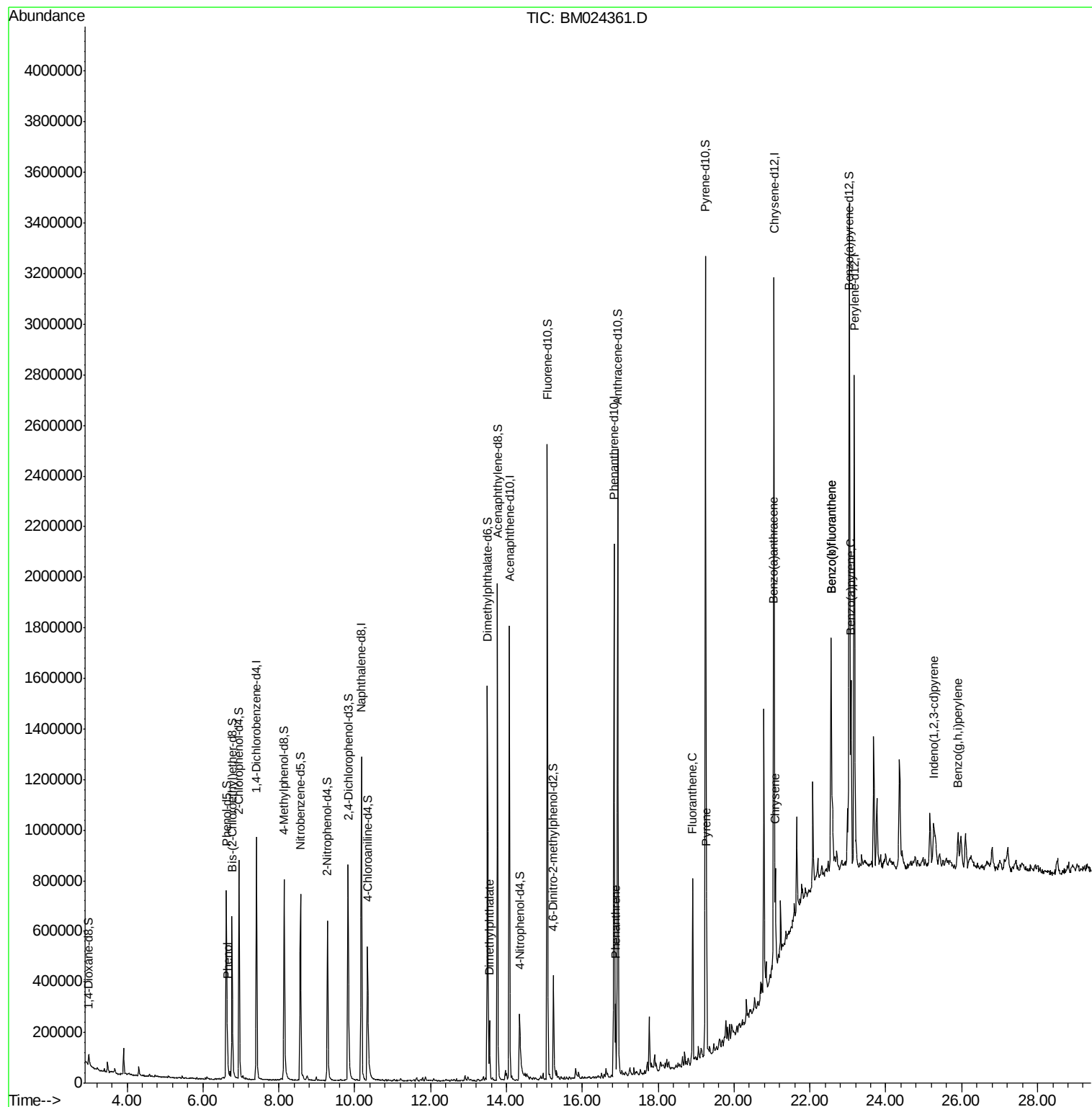
|                            |       |     |        |        |        |    |
|----------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds           |       |     |        | Ovalue |        |    |
| 6) Phenol                  | 6.65  | 94  | 51223  | 2.157  | ng/ul  | 94 |
| 45) Dimethylphthalate      | 13.55 | 163 | 144149 | 3.381  | ng/ul  | 99 |
| 70) Phenanthrene           | 16.87 | 178 | 145773 | 2.312  | ng/ul  | 98 |
| 77) Fluoranthene           | 18.91 | 202 | 397779 | 5.788  | ng/ul  | 98 |
| 80) Pyrene                 | 19.27 | 202 | 337583 | 4.804  | ng/ul  | 98 |
| 83) Benzo(a)anthracene     | 21.03 | 228 | 177091 | 2.582  | ng/ul  | 99 |
| 85) Chrysene               | 21.09 | 228 | 203801 | 3.032  | ng/ul  | 96 |
| 88) Benzo(b)fluoranthene   | 22.55 | 252 | 296209 | 3.795  | ng/ul# | 94 |
| 89) Benzo(k)fluoranthene   | 22.55 | 252 | 296209 | 3.868  | ng/ul# | 96 |
| 91) Benzo(a)pyrene         | 23.08 | 252 | 189337 | 2.681  | ng/ul# | 96 |
| 92) Indeno(1,2,3-cd)pyrene | 25.27 | 276 | 147143 | 1.735  | ng/ul  | 95 |
| 94) Benzo(g,h,i)perylene   | 25.90 | 276 | 149733 | 2.163  | ng/ul  | 95 |

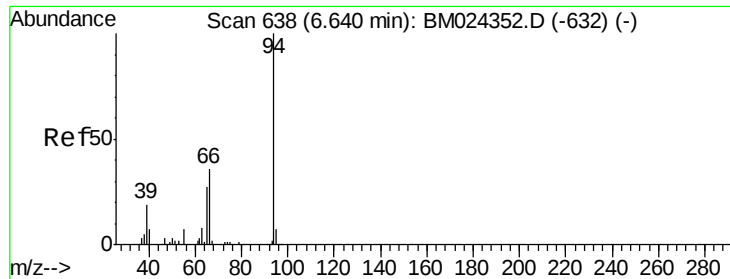
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_M  
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Quant Time: Dec 29 01:32:58 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





#6

Phenol

Concen: 2.157 ng/ul

RT: 6.65 min Scan# 639

Delta R.T. 0.01 min

Lab File: BM024361.D

Acq: 28 Dec 2019 22:11

Instrument :

BNA\_M

ClientSampleId :

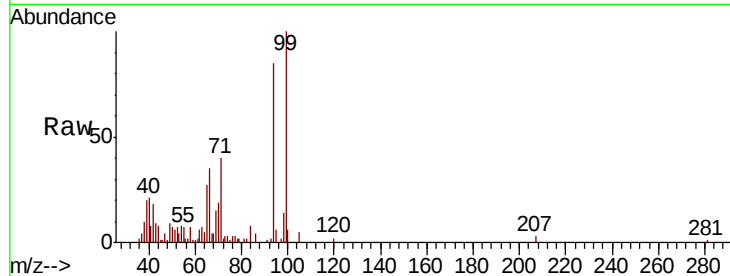
Tot Ion: 94 Resp: 51223

Ion Ratio Lower Upper

94 100

65 31.8 22.6 33.8

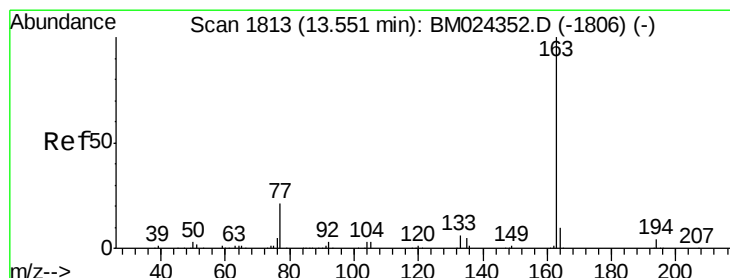
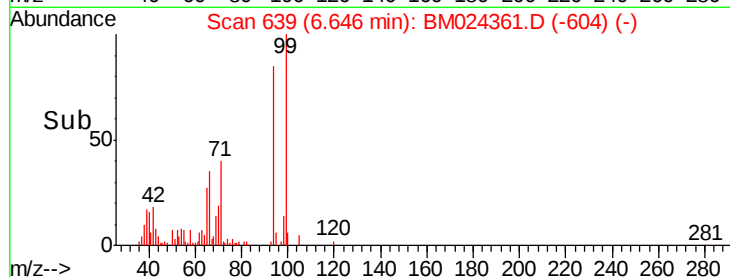
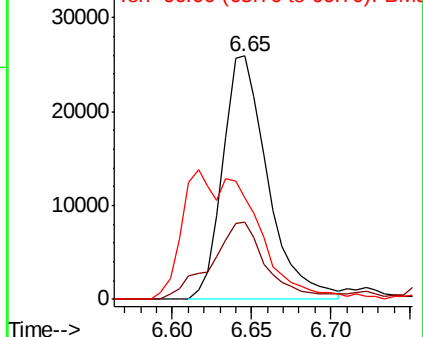
66 41.7 30.7 46.1



Abundance Ion 94.00 (93.70 to 94.70): BM024352.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM024352.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM024352.D (-632) (-)



#45

Dimethylphthalate

Concen: 3.381 ng/ul

RT: 13.55 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BM024361.D

Acq: 28 Dec 2019 22:11

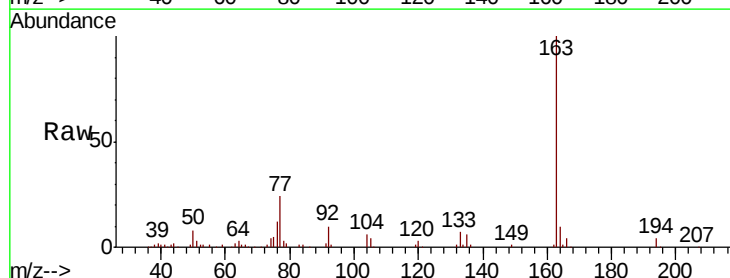
Tgt Ion:163 Resp: 144149

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

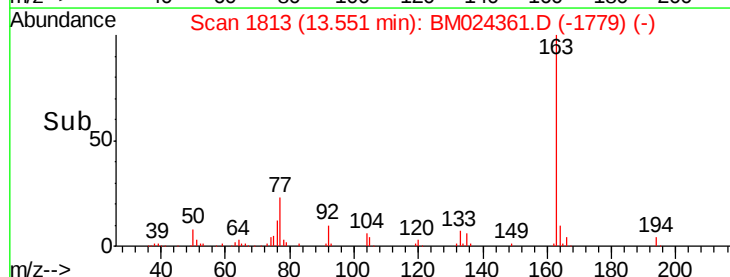
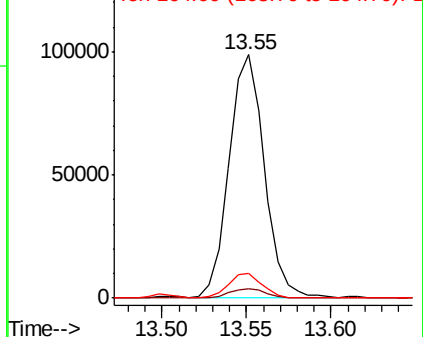
164 10.2 7.8 11.6

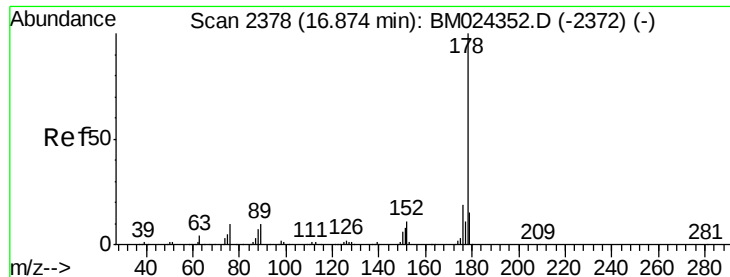


Abundance Ion 163.00 (162.70 to 163.70): BM024352.D (-1806) (-)

Ion 194.00 (193.70 to 194.70): BM024352.D (-1806) (-)

Ion 164.00 (163.70 to 164.70): BM024352.D (-1806) (-)

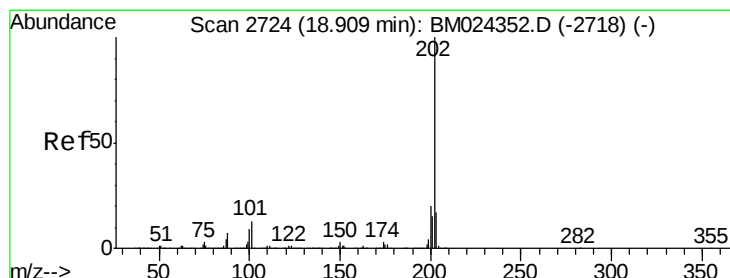
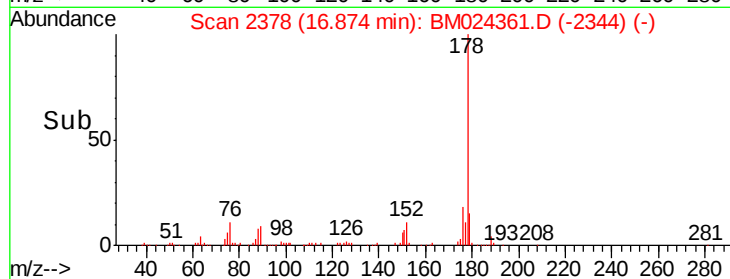
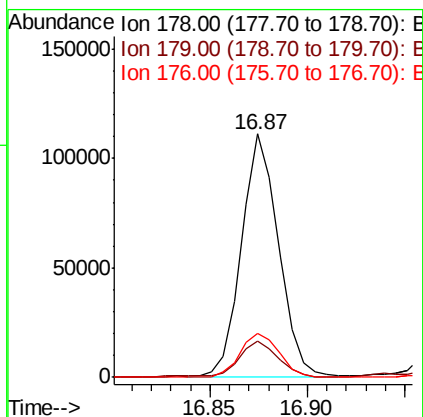
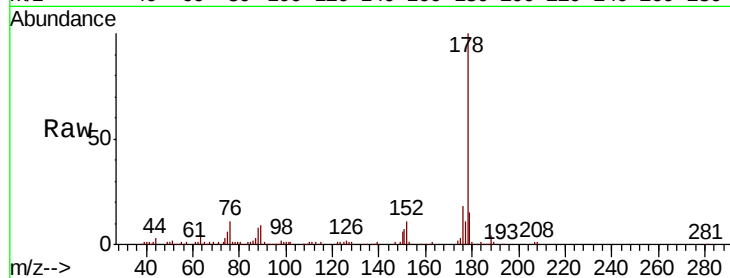




#70  
Phenanthrene  
Concen: 2.312 ng/ul  
RT: 16.87 min Scan# 2378  
Delta R.T. 0.00 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

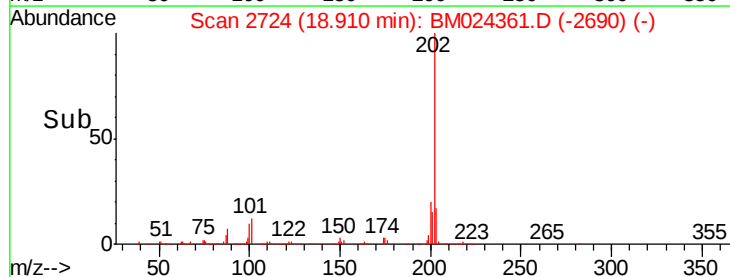
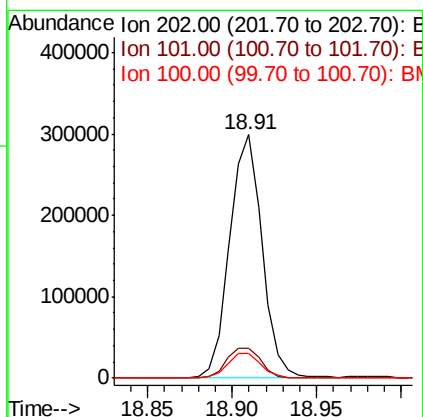
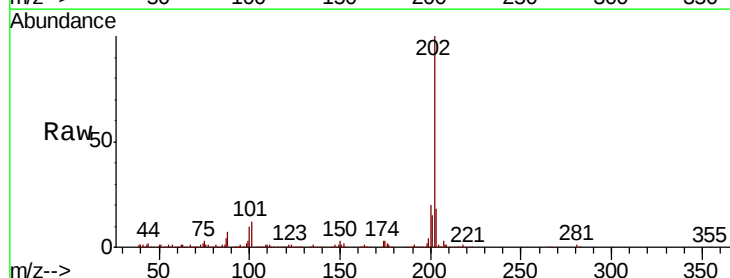
Instrument :  
BNA\_M  
ClientSampled :

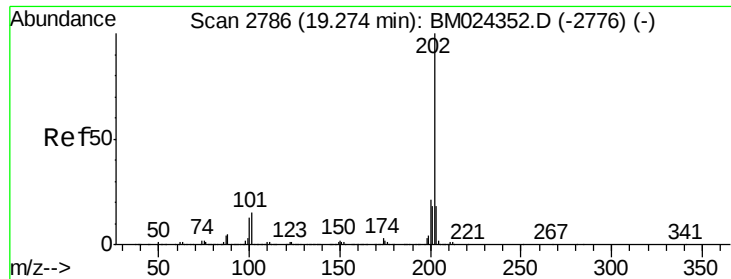
Tot Ion:178 Resp: 145773  
Ion Ratio Lower Upper  
178 100  
179 14.8 12.6 19.0  
176 18.2 15.1 22.7



#77  
Fluoranthene  
Concen: 5.788 ng/ul  
RT: 18.91 min Scan# 2724  
Delta R.T. 0.00 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

Tgt Ion:202 Resp: 397779  
Ion Ratio Lower Upper  
202 100  
101 12.1 10.6 15.8  
100 10.0 8.1 12.1

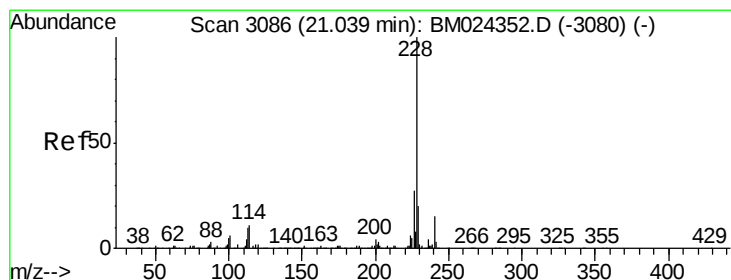
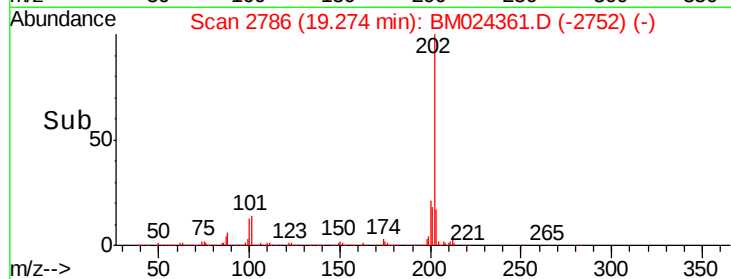
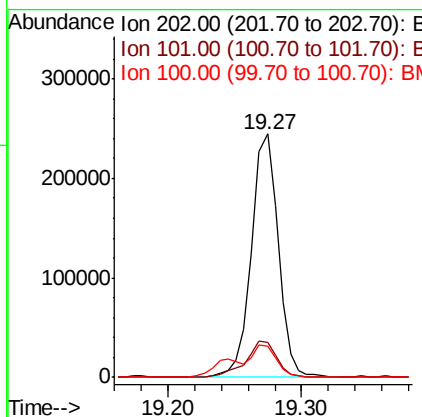
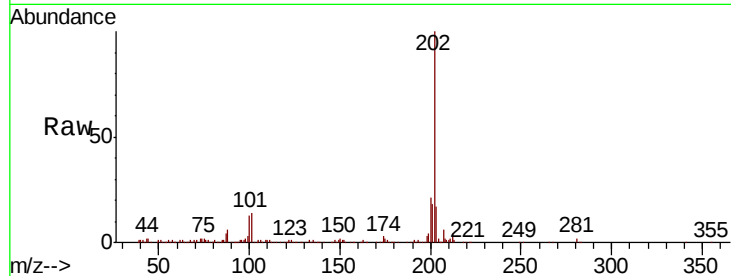




#80  
Pvrene  
Concen: 4.804 ng/ul  
RT: 19.27 min Scan# 2786  
Delta R.T. 0.00 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

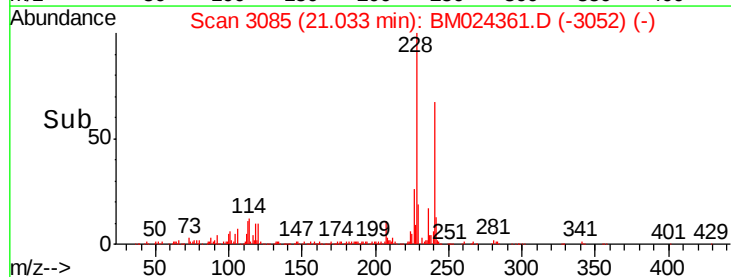
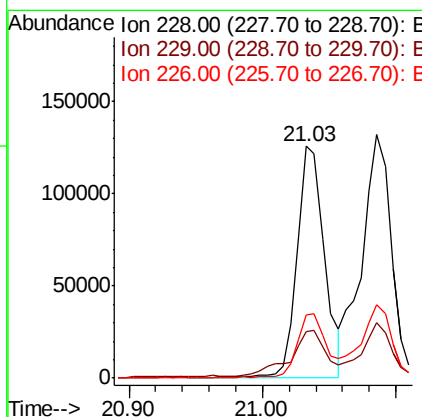
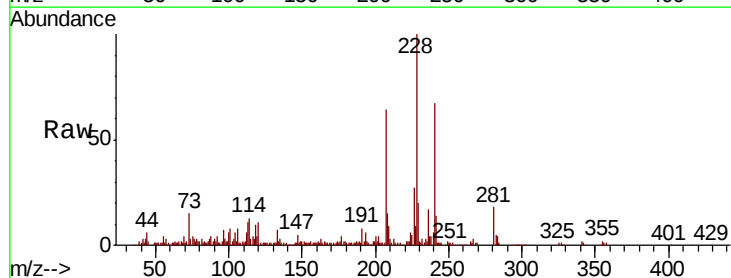
Instrument :  
BNA\_M  
ClientSampleId :

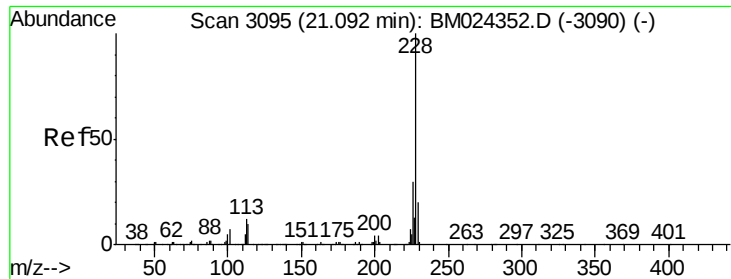
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 14.2  | 12.2  | 18.4  |
| 100     | 12.9  | 10.0  | 15.0  |



#83  
Benzo(a)anthracene  
Concen: 2.582 ng/ul  
RT: 21.03 min Scan# 3085  
Delta R.T. -0.01 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.3  | 15.8  | 23.8  |
| 226     | 27.2  | 22.2  | 33.2  |





#85

Chrysene

Concen: 3.032 ng/ul

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BM024361.D

Acq: 28 Dec 2019 22:11

Instrument :

BNA\_M

ClientSampleId :

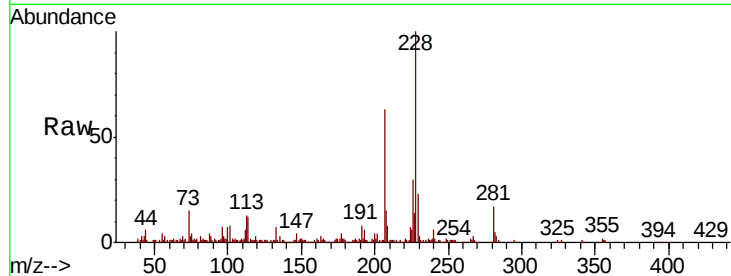
Tot Ion:228 Resp: 203801

Ion Ratio Lower Upper

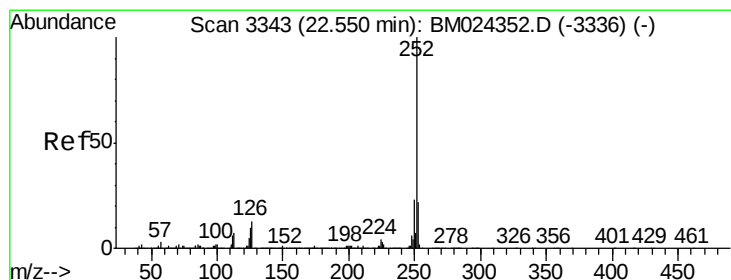
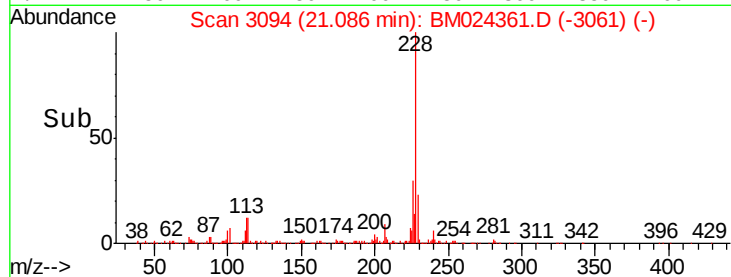
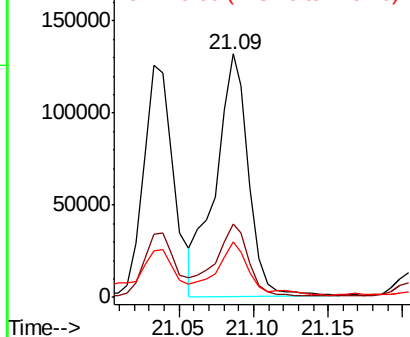
228 100

226 30.4 24.0 36.0

229 23.0 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: 3.795 ng/ul

RT: 22.55 min Scan# 3343

Delta R.T. 0.00 min

Lab File: BM024361.D

Acq: 28 Dec 2019 22:11

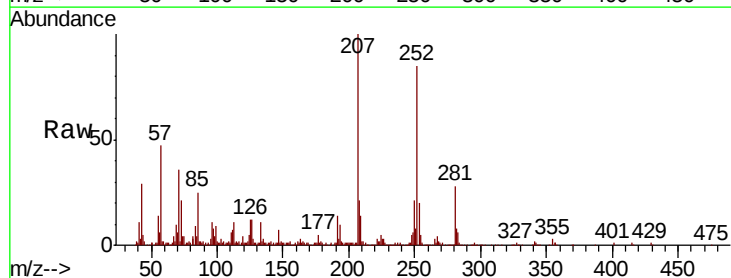
Tgt Ion:252 Resp: 296209

Ion Ratio Lower Upper

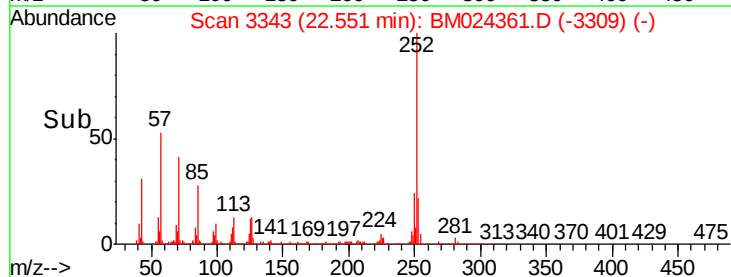
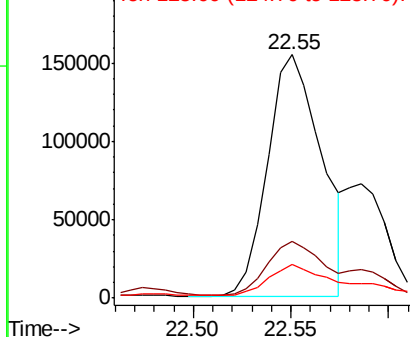
252 100

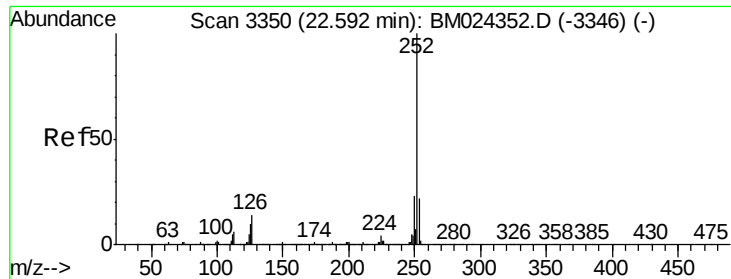
253 23.2 17.2 25.8

125 13.7 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





#89

Benzo(k)fluoranthene

Concen: 3.868 ng/ul

RT: 22.55 min Scan# 3343

Delta R.T. -0.04 min

Lab File: BM024361.D

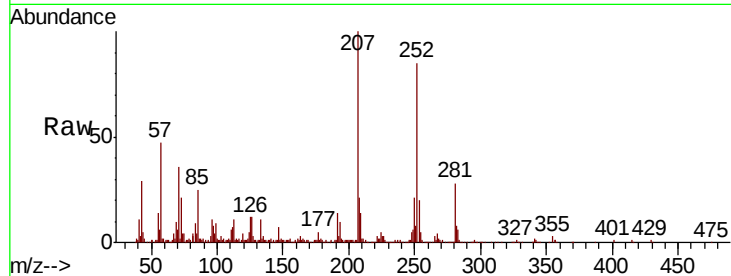
Acq: 28 Dec 2019 22:11

Instrument :

BNA\_M

ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 296209 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.2  | 17.8  | 26.8   |
| 125       | 13.7  | 7.9   | 11.9#  |

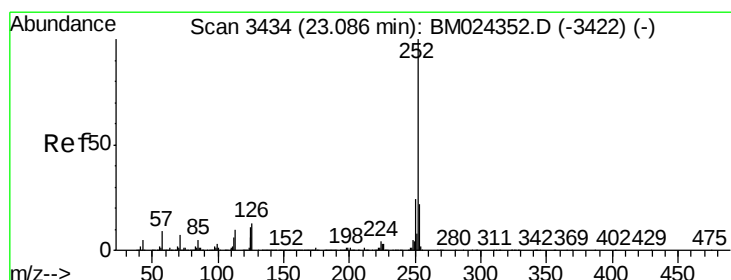
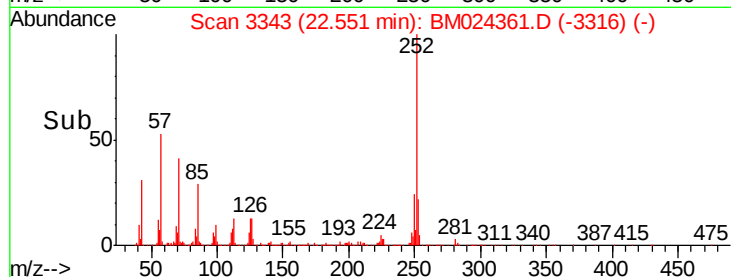
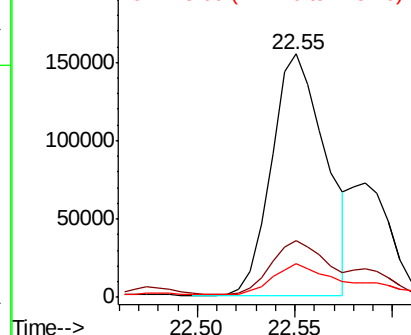


Abundance

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: 2.681 ng/ul

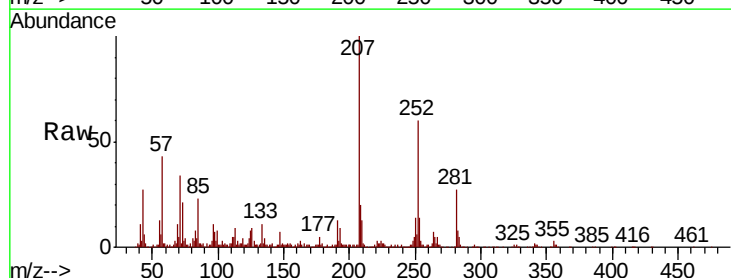
RT: 23.08 min Scan# 3433

Delta R.T. -0.01 min

Lab File: BM024361.D

Acq: 28 Dec 2019 22:11

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 189337 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.0  | 17.5  | 26.3   |
| 125       | 13.5  | 8.2   | 12.4#  |

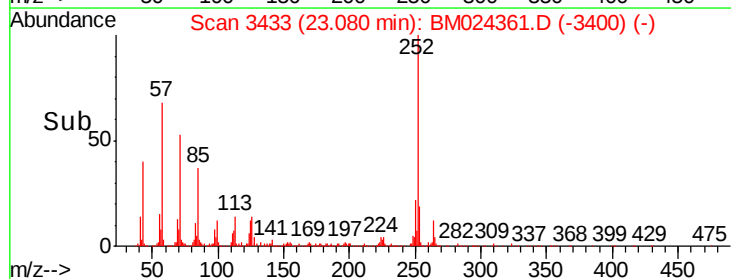
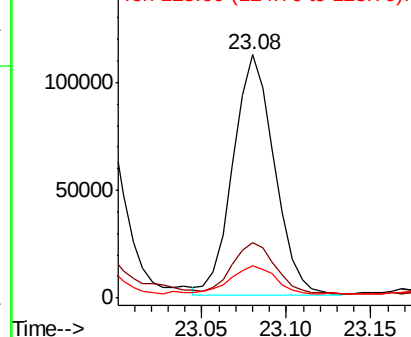


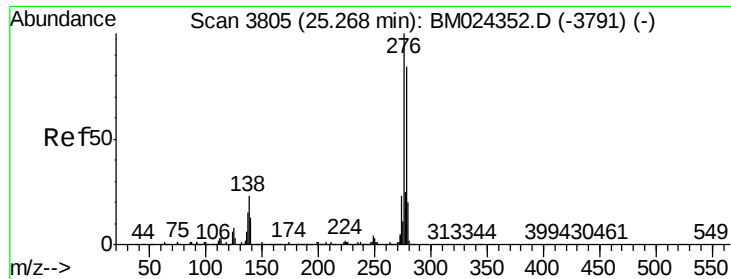
Abundance

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



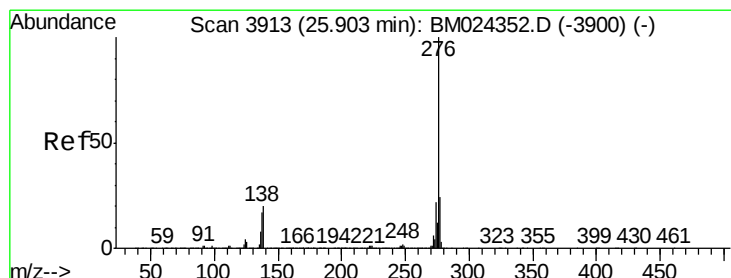
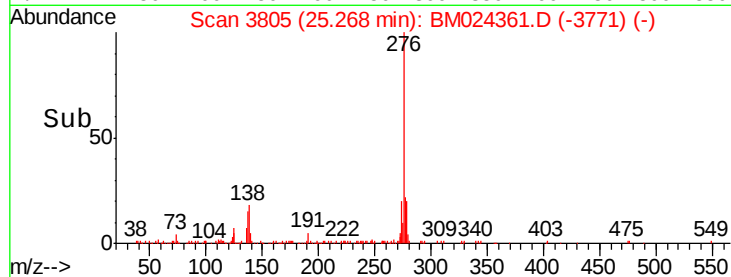
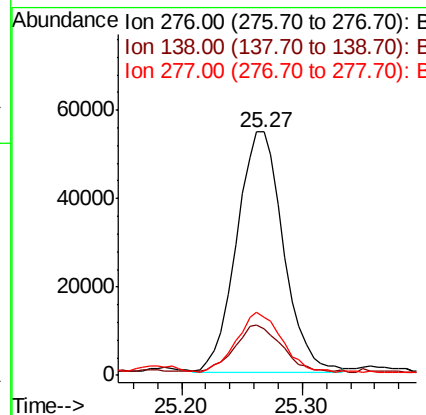
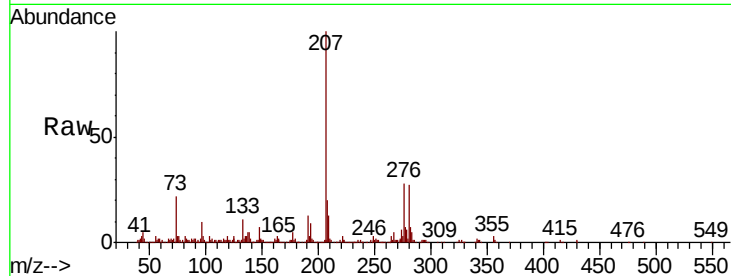


#92

Indeno(1,2,3-cd)pyrene  
Concen: 1.735 ng/ul  
RT: 25.27 min Scan# 3805  
Delta R.T. 0.00 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.0  | 18.3  | 27.5  |
| 277     | 23.7  | 20.2  | 30.2  |



#94

Benzo(g,h,i)perylene  
Concen: 2.163 ng/ul  
RT: 25.90 min Scan# 3913  
Delta R.T. 0.00 min  
Lab File: BM024361.D  
Acq: 28 Dec 2019 22:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.5  | 15.3  | 22.9  |
| 277     | 22.9  | 19.3  | 28.9  |

