

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121219\  
 Data File : BM024068.D  
 Acq On : 12 Dec 2019 20:48  
 Operator : JU  
 Sample : K6089-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0BQ3

Quant Time: Dec 13 03:49:12 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 | 7.47  | 152  | 416871   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.24 | 136  | 1797441  | 20.00 | ng/ul | -0.01    |
| 36) Acenaphthene-d10      | 14.13 | 164  | 1124030  | 20.00 | ng/ul | -0.01    |
| 62) Phenanthrene-d10      | 16.89 | 188  | 2321056  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.09 | 240  | 1661776  | 20.00 | ng/ul | -0.01    |
| 86) Perylene-d12          | 23.23 | 264  | 1836021  | 20.00 | ng/ul | -0.02    |

| System Monitoring Compounds    | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 3) 1,4-Dioxane-d8              | 3.03  | 96   | 31059    | 3.31  | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.66  | 99   | 620280   | 16.98 | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.82  | 67   | 414186   | 19.49 | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.01  | 132  | 502710   | 17.80 | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.19  | 113  | 475039   | 16.48 | ng/ul | -0.01    |
| 19) Nitrobenzene-d5            | 8.62  | 128  | 246350   | 17.66 | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.34  | 143  | 269178   | 16.98 | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 9.87  | 165  | 508608   | 16.94 | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.39 | 131  | 247653   | 7.52  | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 13.55 | 166  | 1653883  | 18.94 | ng/ul | -0.01    |
| 47) Acenaphthylene-d8          | 13.82 | 160  | 1993079  | 19.47 | ng/ul | -0.01    |
| 52) 4-Nitrophenol-d4           | 14.37 | 143  | 152930   | 10.42 | ng/ul | 0.00     |
| 58) Fluorene-d10               | 15.13 | 176  | 1480813  | 20.15 | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.27 | 200  | 198006   | 13.59 | ng/ul | 0.00     |
| 71) Anthracene-d10             | 16.98 | 188  | 2164574  | 19.53 | ng/ul | -0.01    |
| 79) Pyrene-d10                 | 19.29 | 212  | 2151435  | 25.06 | ng/ul | -0.01    |
| 90) Benzo(a)pyrene-d12         | 23.09 | 264  | 1921103  | 19.80 | ng/ul | -0.02    |

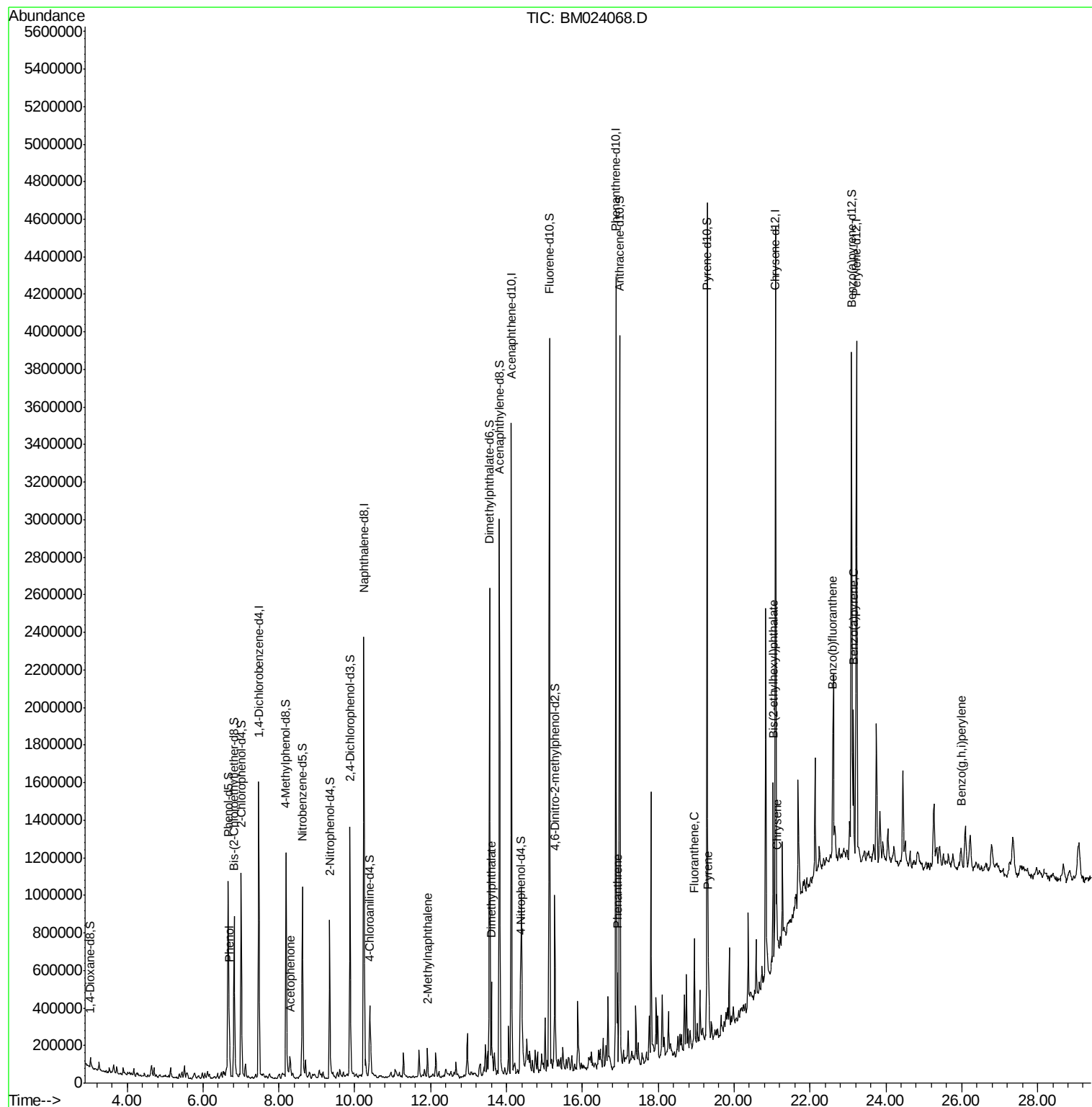
| Target Compounds               | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 6) Phenol                      | 6.69  | 94   | 161482   | 4.296 | ng/ul  | 97     |
| 14) Acetophenone               | 8.30  | 105  | 56732    | 1.287 | ng/ul  | 97     |
| 34) 2-Methylnaphthalene        | 11.92 | 142  | 74091    | 1.077 | ng/ul  | 97     |
| 45) Dimethylphthalate          | 13.60 | 163  | 298425   | 3.491 | ng/ul  | 100    |
| 70) Phenanthrene               | 16.93 | 178  | 284888   | 2.173 | ng/ul  | 99     |
| 77) Fluoranthene               | 18.96 | 202  | 272669   | 1.939 | ng/ul  | 99     |
| 80) Pyrene                     | 19.32 | 202  | 230047   | 2.055 | ng/ul  | 99     |
| 84) Bis(2-ethylhexyl)phthalate | 21.03 | 149  | 313818   | 4.439 | ng/ul  | 100    |
| 85) Chrysene                   | 21.13 | 228  | 195704   | 1.876 | ng/ul# | 92     |
| 88) Benzo(b)fluoranthene       | 22.60 | 252  | 198377   | 1.747 | ng/ul# | 88     |
| 91) Benzo(a)pyrene             | 23.14 | 252  | 119423   | 1.112 | ng/ul# | 86     |
| 94) Benzo(g,h,i)perylene       | 25.98 | 276  | 125016   | 1.120 | ng/ul# | 93     |

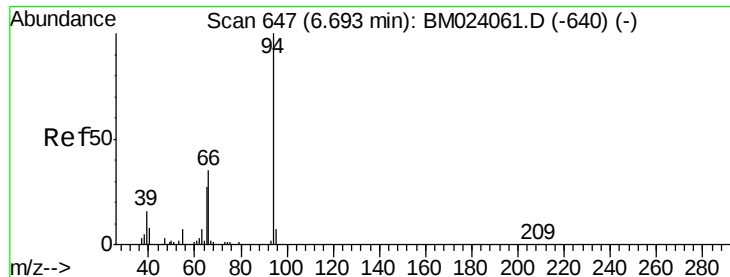
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121219\  
Data File : BM024068.D  
Acq On : 12 Dec 2019 20:48  
Operator : JU  
Sample : K6089-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0BQ3

Quant Time: Dec 13 03:49:12 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





#6

Phenol

Concen: 4.296 ng/ul

RT: 6.69 min Scan# 647

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

Instrument :

BNA\_M

ClientSampleId :

C0BQ3

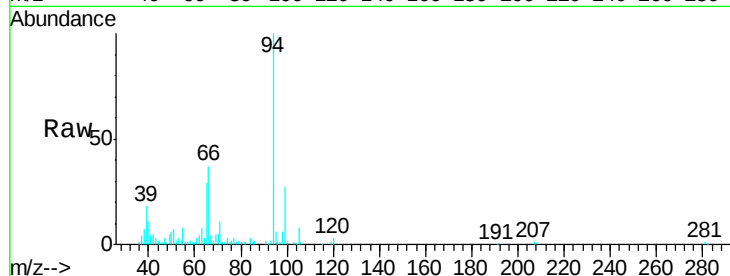
Tgt Ion: 94 Resp: 161482

Ion Ratio Lower Upper

94 100

65 28.5 21.7 32.5

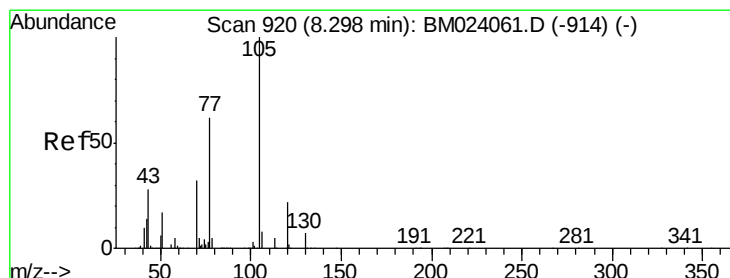
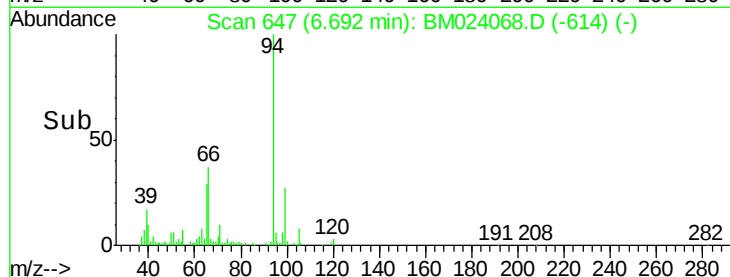
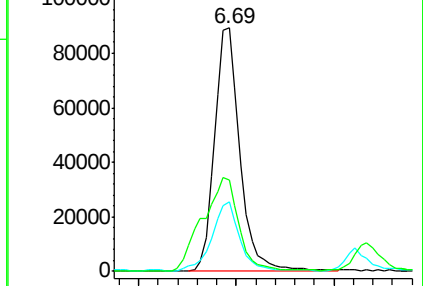
66 37.5 28.8 43.2



Abundance Ion 94.00 (93.70 to 94.70): BM024061.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM024061.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM024061.D (-640) (-)



#14

Acetophenone

Concen: 1.287 ng/ul

RT: 8.30 min Scan# 921

Delta R.T. 0.00 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

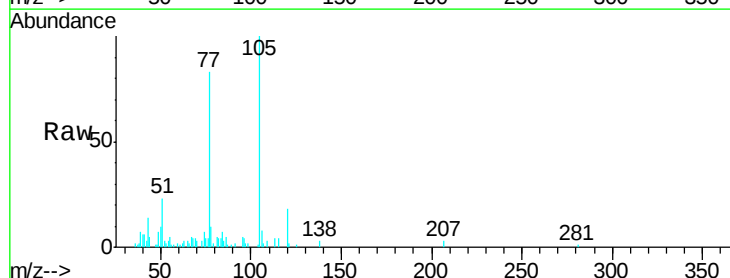
Tgt Ion: 105 Resp: 56732

Ion Ratio Lower Upper

105 100

77 82.6 64.1 96.1

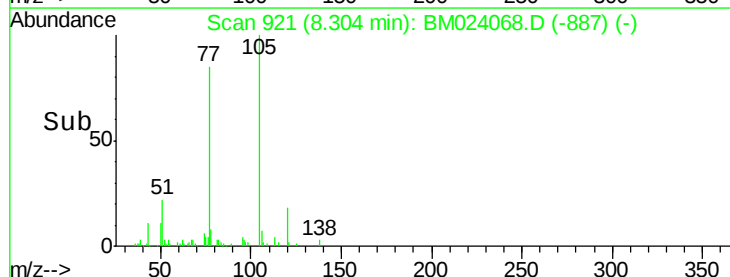
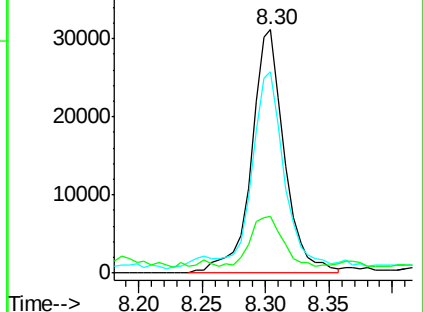
51 23.3 16.6 24.8

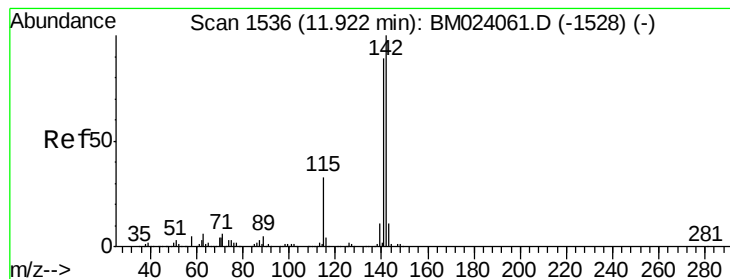


Abundance Ion 105.00 (104.70 to 105.70): BM024061.D (-914) (-)

Ion 77.00 (76.70 to 77.70): BM024061.D (-914) (-)

Ion 51.00 (50.70 to 51.70): BM024061.D (-914) (-)





#34

2-Methylnaphthalene

Concen: 1.077 ng/ul

RT: 11.92 min Scan# 1535

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

Instrument :

BNA\_M

ClientSampleId :

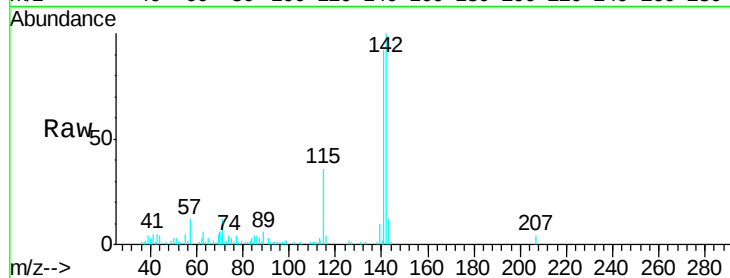
C0BQ3

Tgt Ion:142 Resp: 74091

Ion Ratio Lower Upper

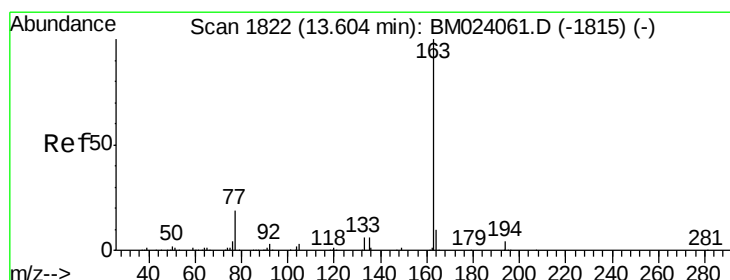
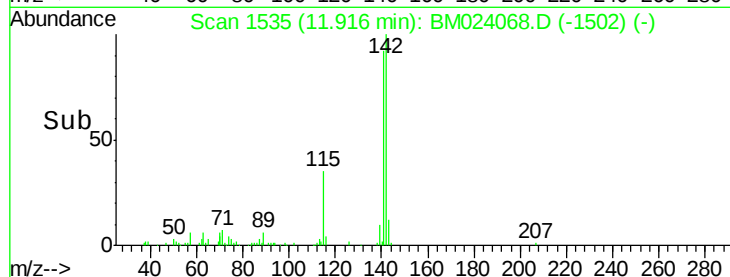
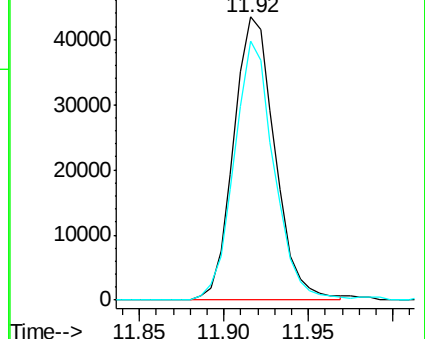
142 100

141 91.7 71.3 106.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#45

Dimethylphthalate

Concen: 3.491 ng/ul

RT: 13.60 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

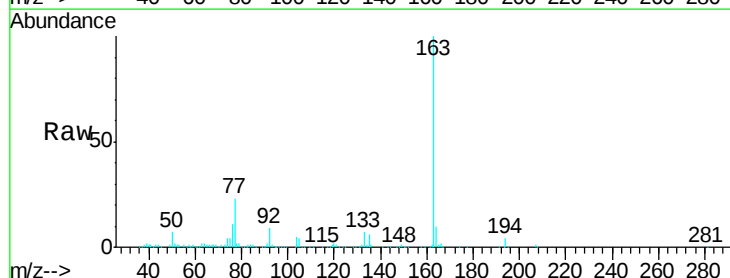
Tgt Ion:163 Resp: 298425

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

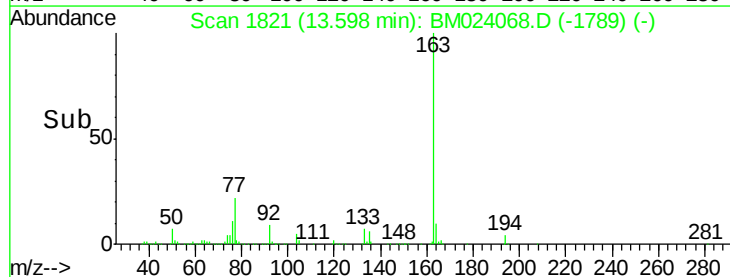
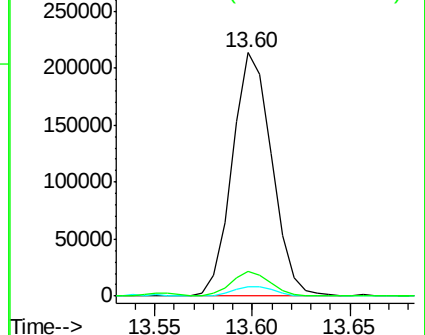
164 10.0 7.9 11.9

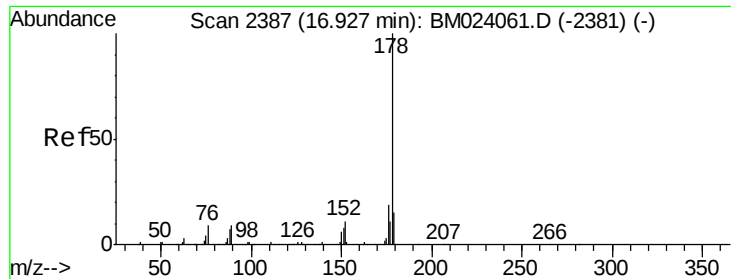


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#70

Phenanthrene

Concen: 2.173 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

Instrument :

BNA\_M

ClientSampleId :

C0BQ3

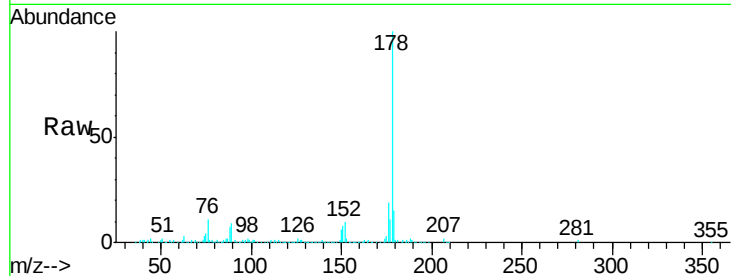
Tgt Ion:178 Resp: 284888

Ion Ratio Lower Upper

178 100

179 15.1 12.0 18.0

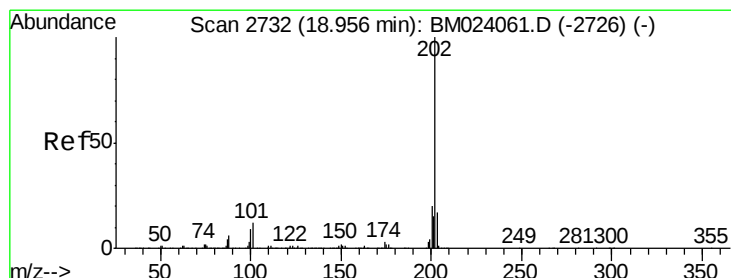
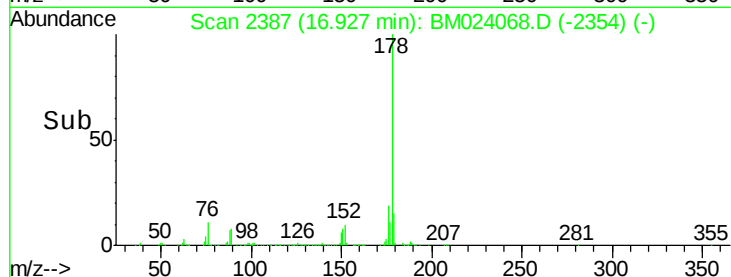
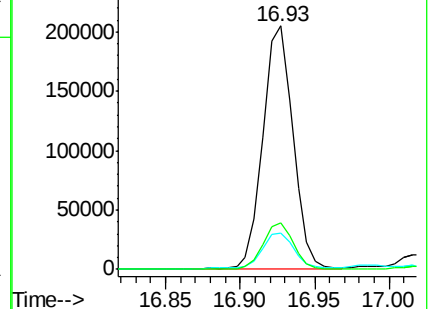
176 19.2 15.1 22.7



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: 1.939 ng/ul

RT: 18.96 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

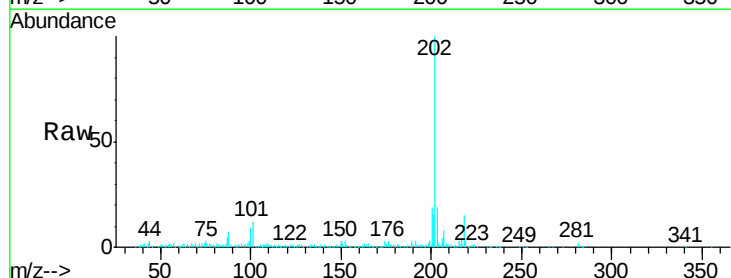
Tgt Ion:202 Resp: 272669

Ion Ratio Lower Upper

202 100

101 12.4 10.1 15.1

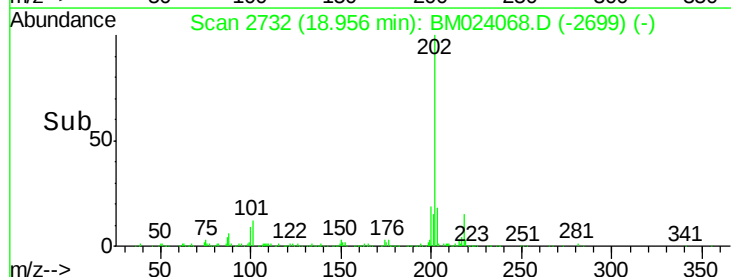
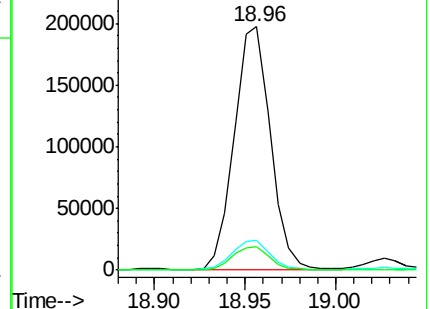
100 9.4 7.8 11.6

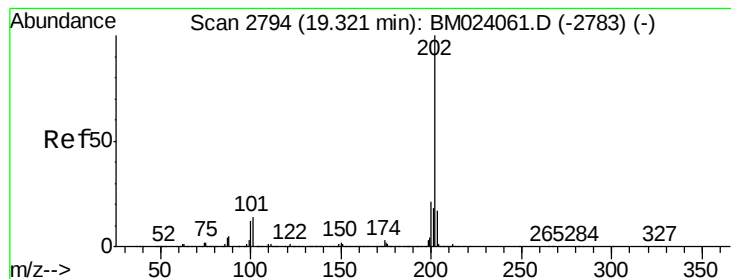


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 2.055 ng/ul

RT: 19.32 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

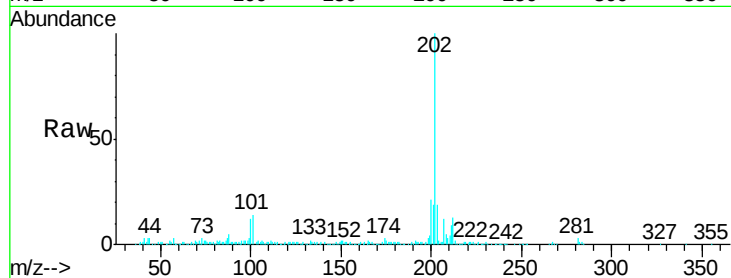
Instrument :

BNA\_M

ClientSampleId :

C0BQ3

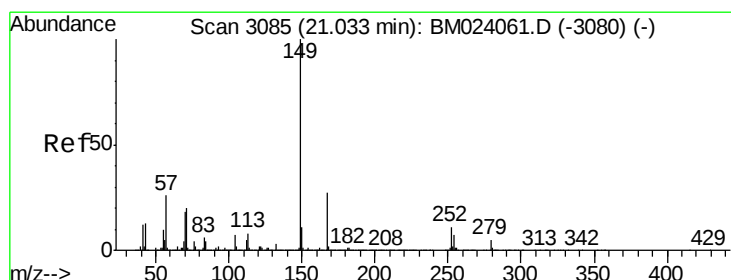
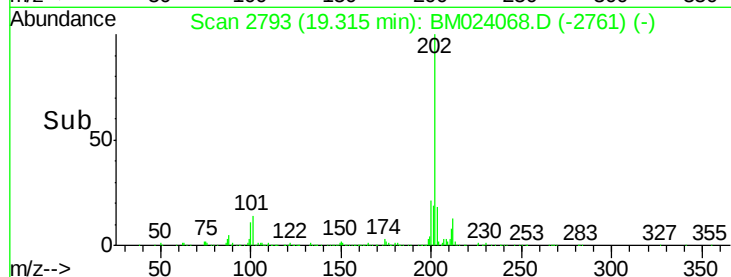
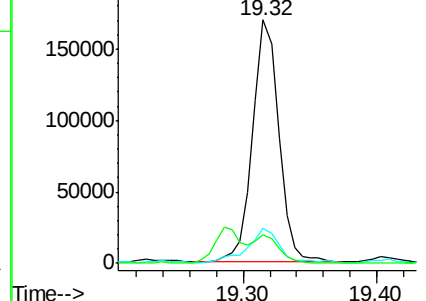
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 230047 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 14.2  | 11.8  | 17.6   |
| 100      | 11.6  | 9.8   | 14.6   |



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): B



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.439 ng/ul

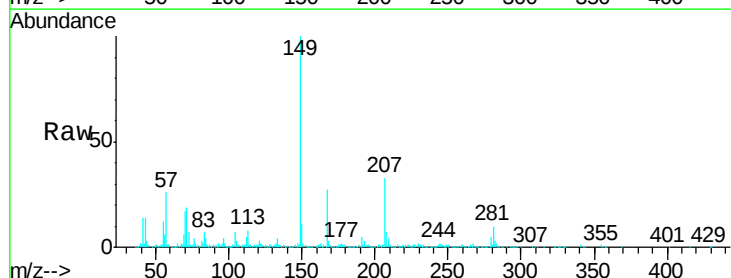
RT: 21.03 min Scan# 3085

Delta R.T. -0.01 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

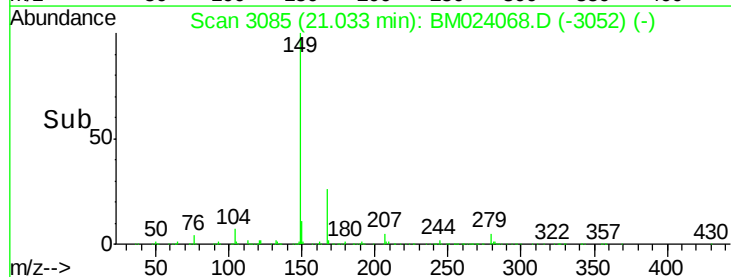
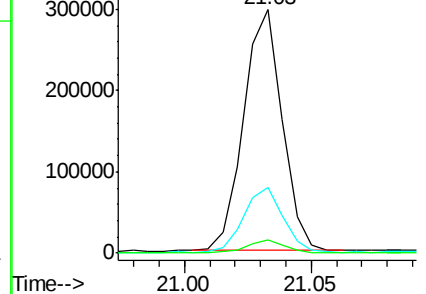
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 313818 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 167      | 27.2  | 21.6  | 32.4   |
| 279      | 5.4   | 4.0   | 6.0    |

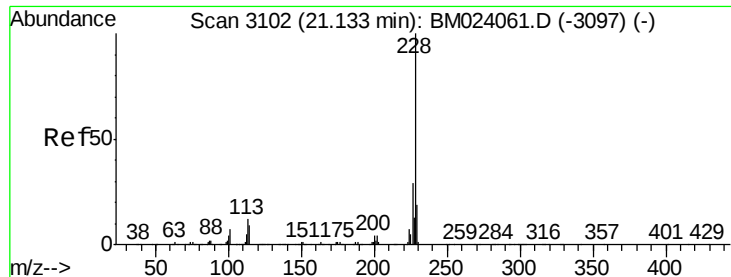


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

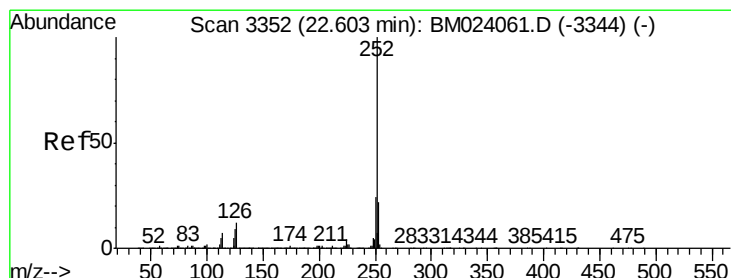
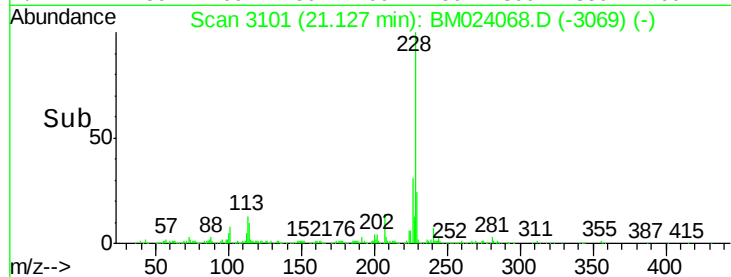
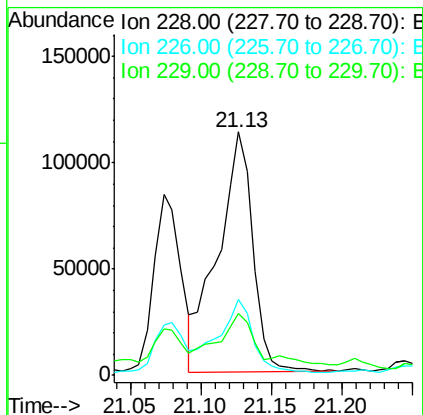
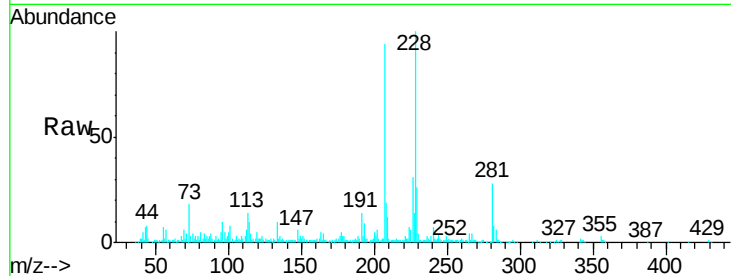




#85  
Chrysene  
Concen: 1.876 ng/ul  
RT: 21.13 min Scan# 3101  
Delta R.T. -0.01 min  
Lab File: BM024068.D  
Acq: 12 Dec 2019 20:48

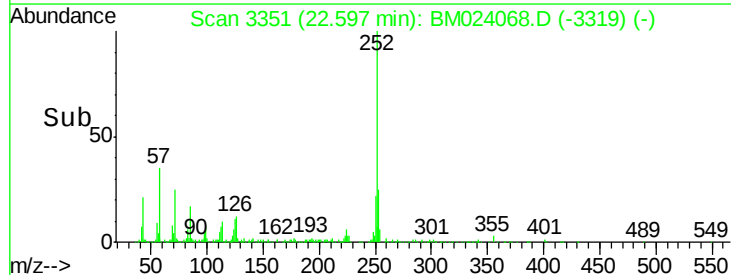
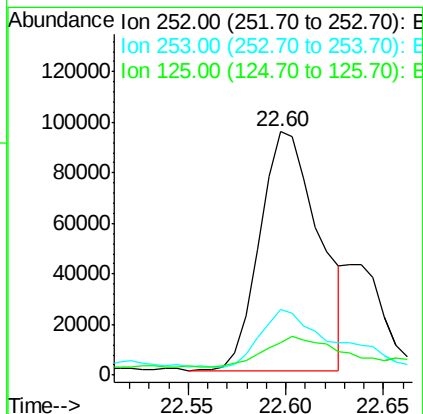
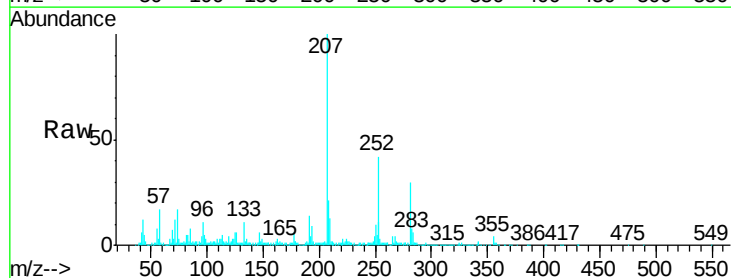
Instrument :  
BNA\_M  
ClientSampleId :  
C0BQ3

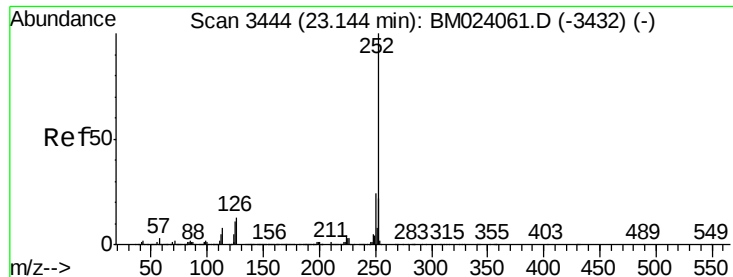
Tgt Ion: 228 Resp: 195704  
Ion Ratio Lower Upper  
228 100  
226 31.2 23.4 35.2  
229 25.6 15.3 22.9#



#88  
Benzo(b)fluoranthene  
Concen: 1.747 ng/ul  
RT: 22.60 min Scan# 3351  
Delta R.T. -0.01 min  
Lab File: BM024068.D  
Acq: 12 Dec 2019 20:48

Tgt Ion: 252 Resp: 198377  
Ion Ratio Lower Upper  
252 100  
253 27.2 17.4 26.0#  
125 13.5 7.4 11.2#





#91

Benzo(a)pyrene

Concen: 1.112 ng/ul

RT: 23.14 min Scan# 3443

Delta R.T. -0.02 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

Instrument :

BNA\_M

ClientSampleId :

C0BQ3

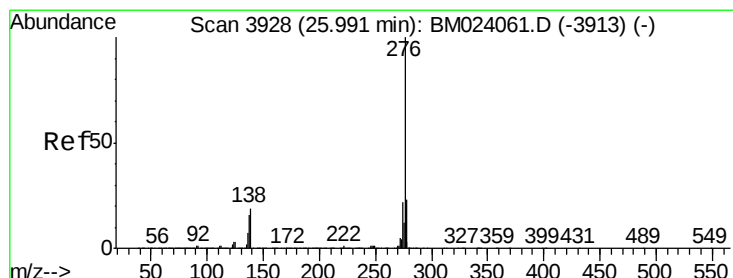
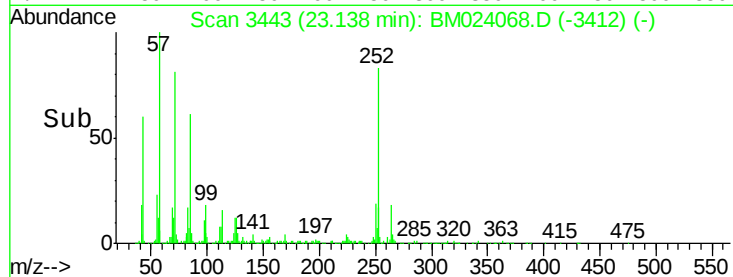
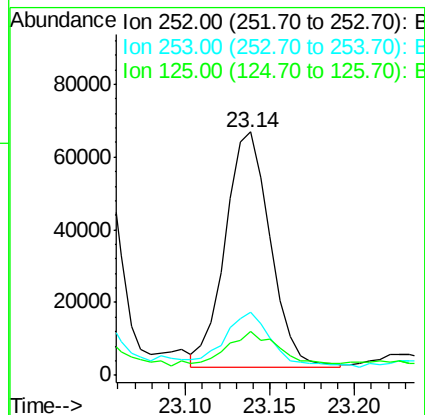
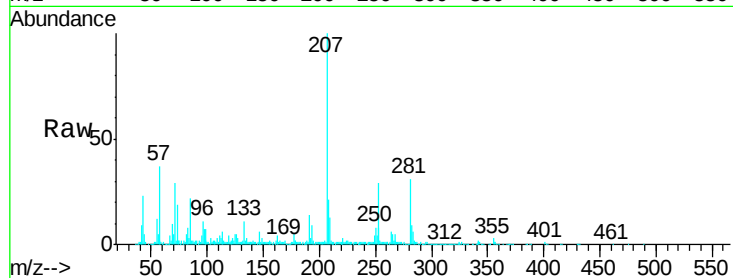
Tgt Ion:252 Resp: 119423

Ion Ratio Lower Upper

252 100

253 26.1 17.2 25.8#

125 17.8 7.8 11.6#



#94

Benzo(g,h,i)perylene

Concen: 1.120 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. -0.04 min

Lab File: BM024068.D

Acq: 12 Dec 2019 20:48

Tgt Ion:276 Resp: 125016

Ion Ratio Lower Upper

276 100

138 24.2 14.9 22.3#

277 25.1 19.1 28.7

