

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
 Data File : BM025397.D  
 Acq On : 08 Mar 2020 22:45  
 Operator : CG/JU  
 Sample : L1617-15  
 Misc :  
 ALS Vial : 83 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 09 01:16:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 04 08:02:03 2020  
 Response via : Initial Calibration

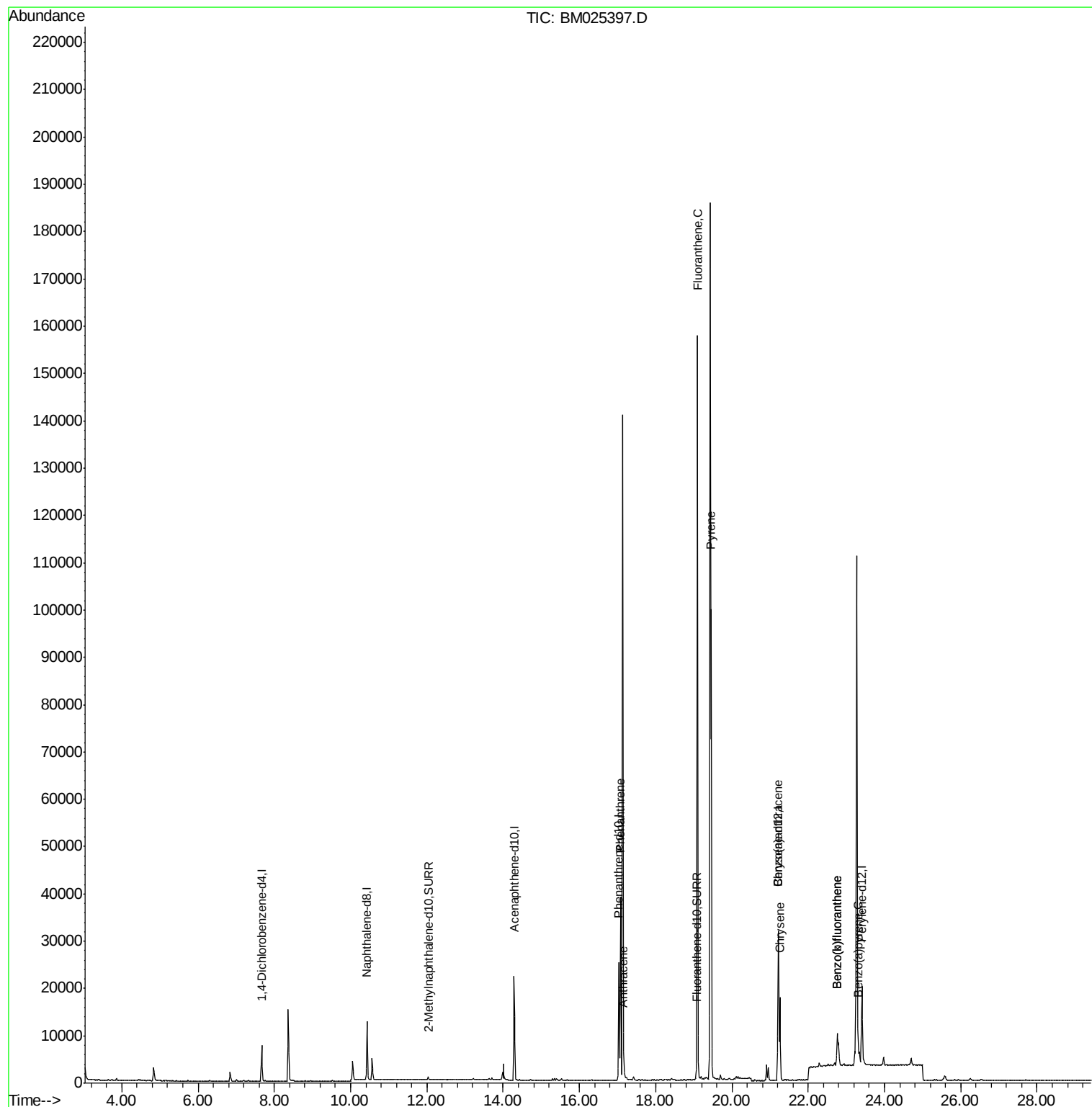
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 3776     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.43 | 136  | 16858    | 0.40   | ng/ul  | -0.01    |
| 6) Acenaphthene-d10         | 14.29 | 164  | 12216    | 0.40   | ng/ul  | -0.02    |
| 10) Phenanthrene-d10        | 17.04 | 188  | 29000    | 0.40   | ng/ul  | -0.01    |
| 16) Chrysene-d12            | 21.22 | 240  | 23012    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.41 | 264  | 19909    | 0.40   | ng/ul  | -0.01    |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 771      | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.06 | 212  | 2066     | 0.02   | ng/ul  | -0.01    |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.08 | 178  | 39916    | 0.427  | ng/ul  | 95       |
| 13) Anthracene              | 17.16 | 178  | 2054     | 0.025  | ng/ul# | 92       |
| 15) Fluoranthene            | 19.09 | 202  | 131310   | 1.122  | ng/ul  | 95       |
| 17) Pyrene                  | 19.45 | 202  | 87773    | 1.006  | ng/ul  | 97       |
| 18) Benzo(a)anthracene      | 21.21 | 228  | 19021    | 0.225  | ng/ul  | 98       |
| 19) Chrysene                | 21.26 | 228  | 17996    | 0.194  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 15409    | 0.193  | ng/ul  | 94       |
| 22) Benzo(k)fluoranthene    | 22.76 | 252  | 15409    | 0.184  | ng/ul  | 93       |
| 23) Benzo(a)pyrene          | 23.31 | 252  | 3083     | 0.046  | ng/ul# | 72       |

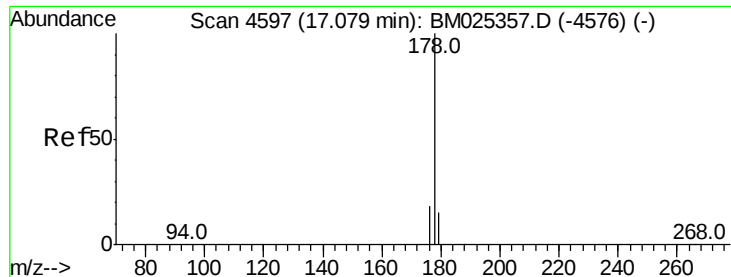
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030620\  
Data File : BM025397.D  
Acq On : 08 Mar 2020 22:45  
Operator : CG/JU  
Sample : L1617-15  
Misc :  
ALS Vial : 83 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Mar 09 01:16:19 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Mar 04 08:02:03 2020  
Response via : Initial Calibration





#12

Phenanthrene

Concen: 0.427 ng/ul

RT: 17.08 min Scan# 4596

Delta R.T. -0.01 min

Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

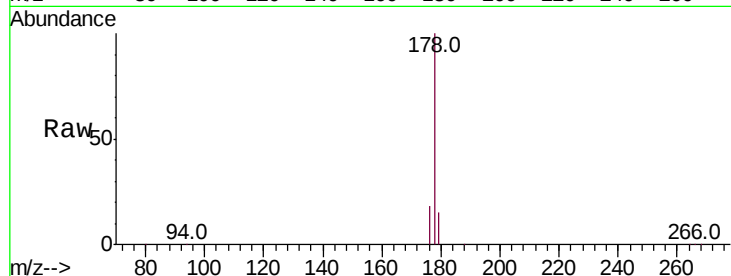
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:178 Resp: 39916

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 14.0  | 21.0  |
| 176 | 18.3  | 16.6  | 24.8  |

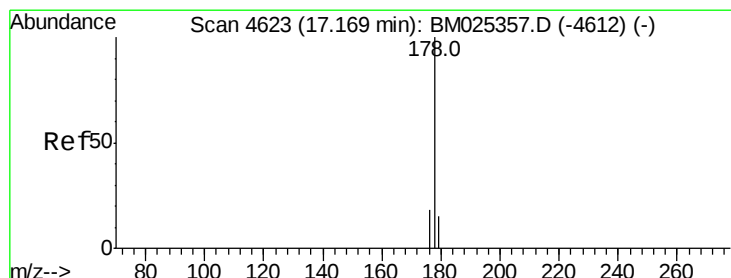
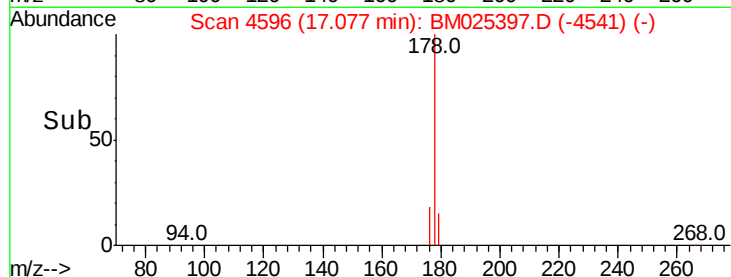
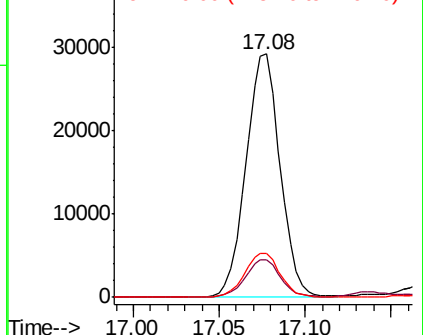


Abundance

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



#13

Anthracene

Concen: 0.025 ng/ul

RT: 17.16 min Scan# 4621

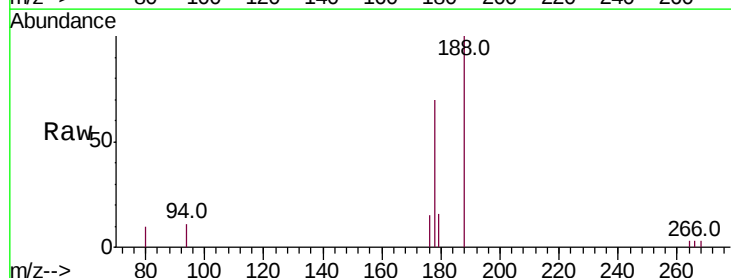
Delta R.T. -0.01 min

Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

Tgt Ion:178 Resp: 2054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 23.4  | 14.1  | 21.1# |
| 176 | 21.6  | 16.2  | 24.4  |

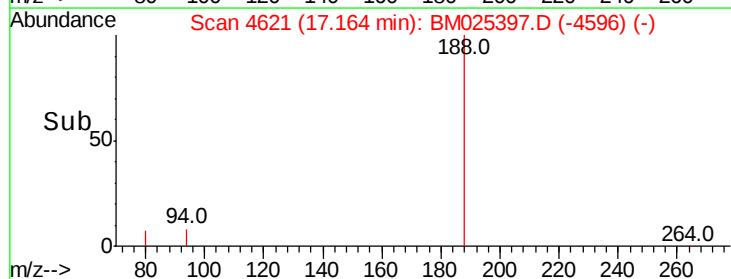
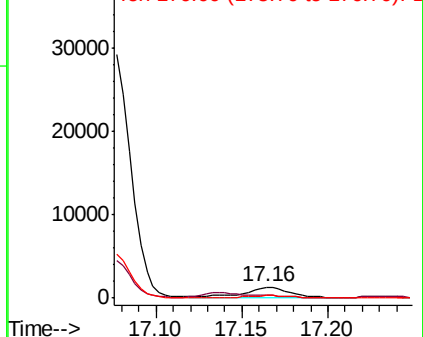


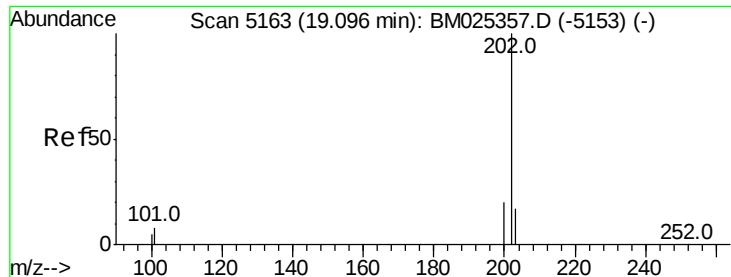
Abundance

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

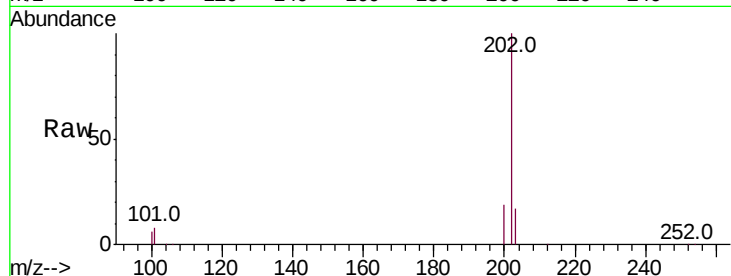




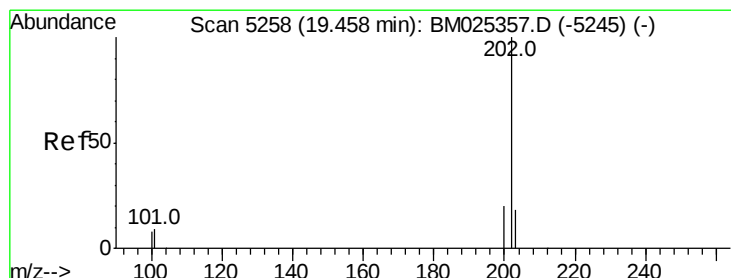
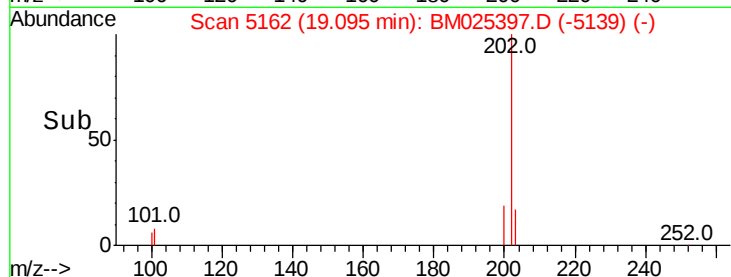
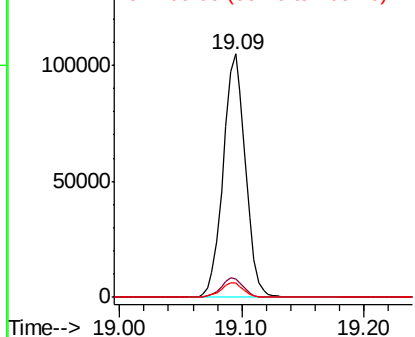
#15  
Fluoranthene  
Concen: 1.122 ng/ul  
RT: 19.09 min Scan# 5162  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.8   | 0.0   | 29.4  |
| 100     | 5.9   | 0.0   | 28.0  |

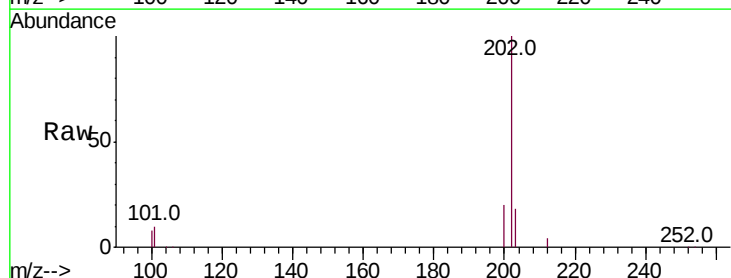


Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 100.00 (99.70 to 100.70): B

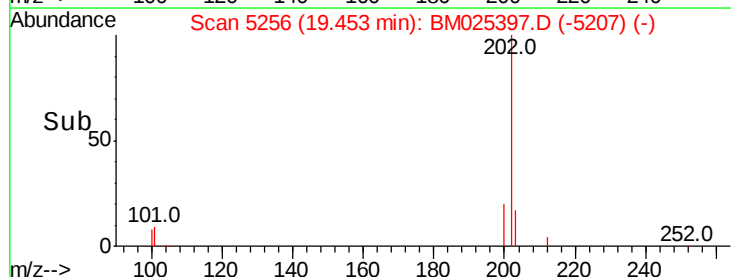
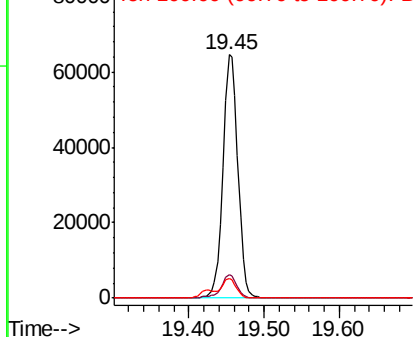


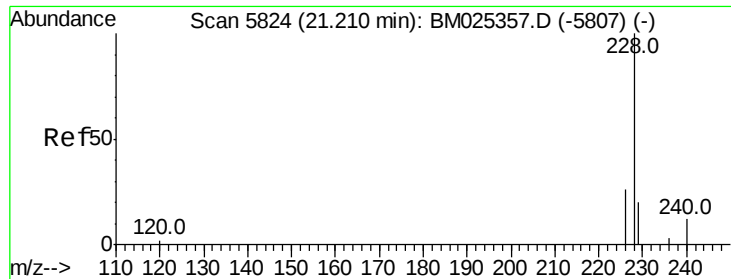
#17  
Pyrene  
Concen: 1.006 ng/ul  
RT: 19.45 min Scan# 5256  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 9.5   | 8.7   | 13.1  |
| 100     | 8.0   | 7.3   | 10.9  |



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





#18

Benzo(a)anthracene

Concen: 0.225 ng/ul

RT: 21.21 min Scan# 5822

Delta R.T. -0.01 min

Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

Instrument :

BNA\_M

ClientSampleId :

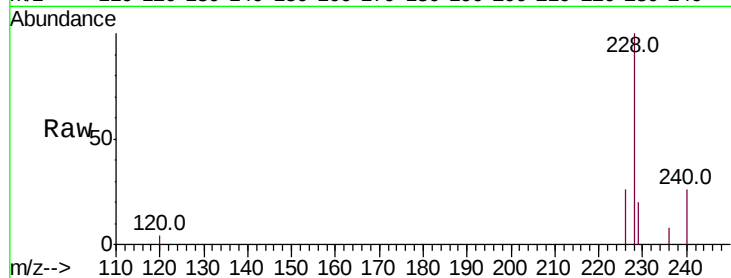
Tot Ion:228 Resp: 19021

Ion Ratio Lower Upper

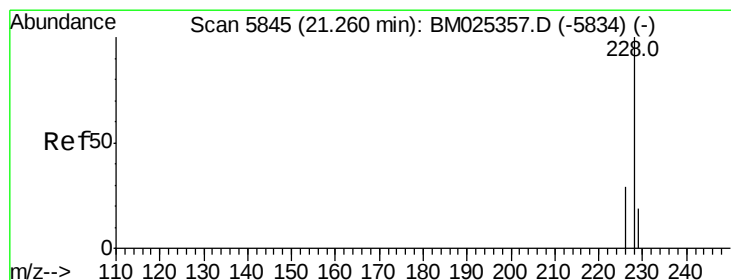
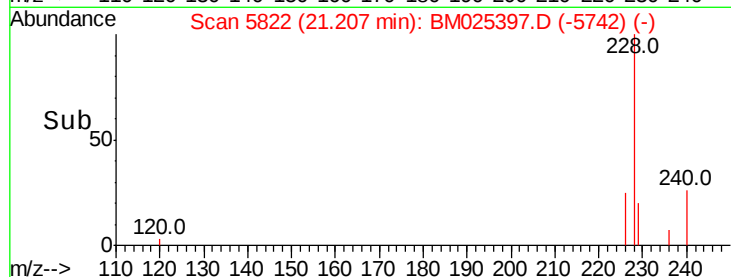
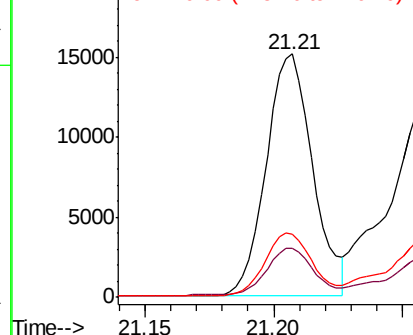
228 100

229 20.1 16.6 25.0

226 25.7 21.9 32.9



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



#19

Chrysene

Concen: 0.194 ng/ul

RT: 21.26 min Scan# 5843

Delta R.T. -0.01 min

Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

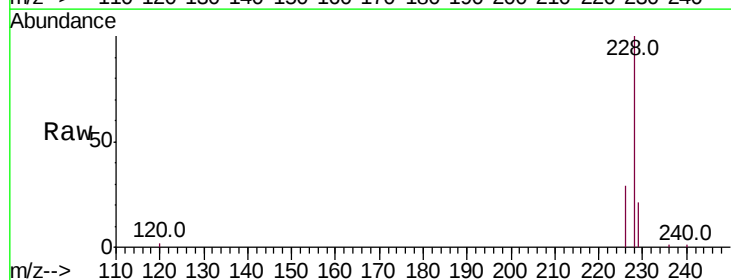
Tgt Ion:228 Resp: 17996

Ion Ratio Lower Upper

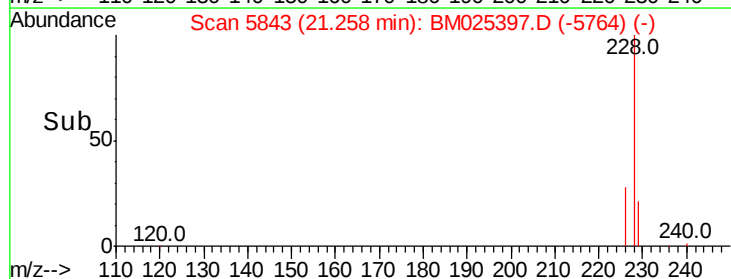
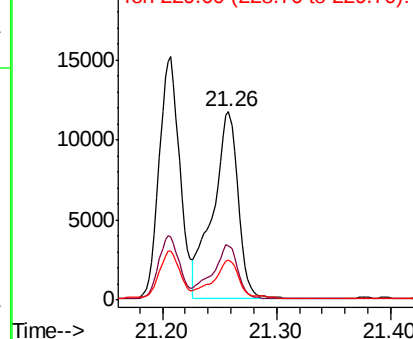
228 100

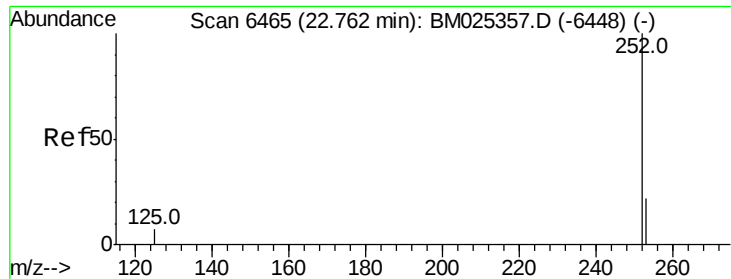
226 28.7 23.8 35.8

229 21.2 16.9 25.3



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

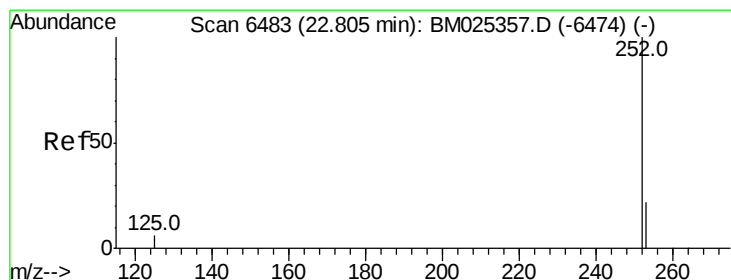
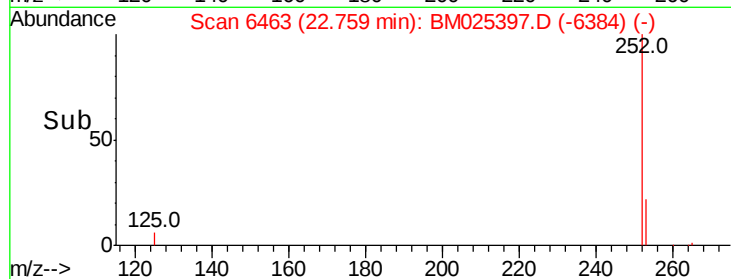
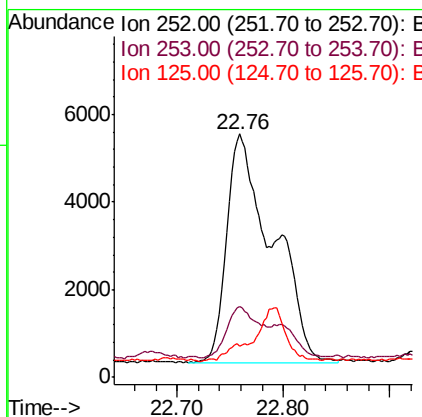
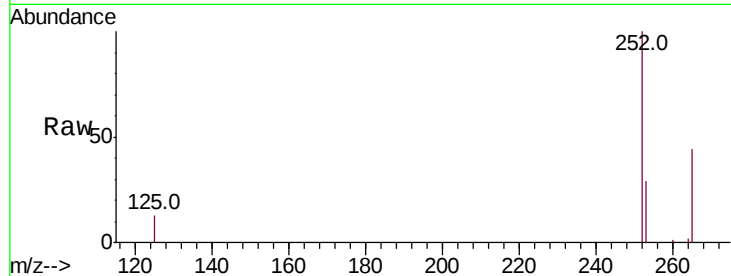




#21  
Benzo(b)fluoranthene  
Concen: 0.193 ng/u1  
RT: 22.76 min Scan# 6463  
Delta R.T. -0.01 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

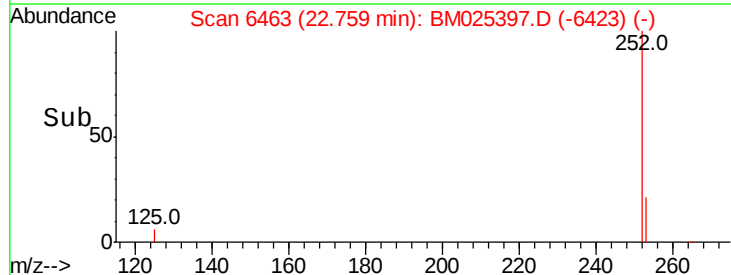
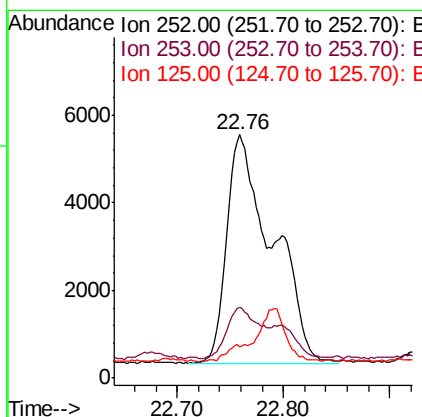
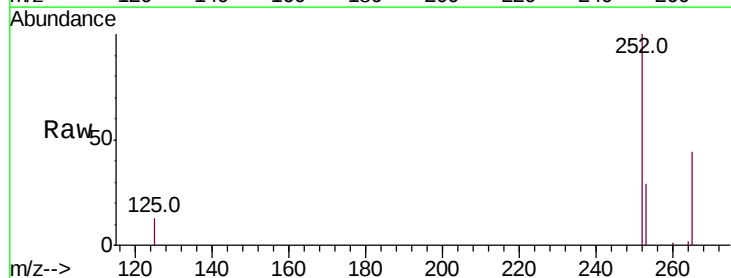
Instrument :  
BNA\_M  
ClientSampleId :

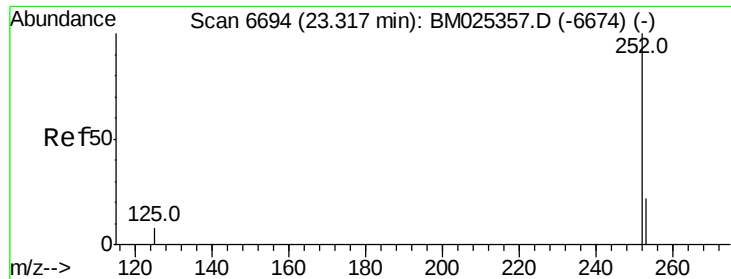
Tot Ion:252 Resp: 15409  
Ion Ratio Lower Upper  
252 100  
253 29.0 0.0 49.8  
125 13.0 0.0 28.6



#22  
Benzo(k)fluoranthene  
Concen: 0.184 ng/u1  
RT: 22.76 min Scan# 6463  
Delta R.T. -0.05 min  
Lab File: BM025397.D  
Acq: 08 Mar 2020 22:45

Tgt Ion:252 Resp: 15409  
Ion Ratio Lower Upper  
252 100  
253 29.0 19.4 29.0  
125 13.0 10.7 16.1





#23

Benzo(a)pyrene

Concen: 0.046 ng/ul

RT: 23.31 min Scan# 6692

Delta R.T. -0.01 min

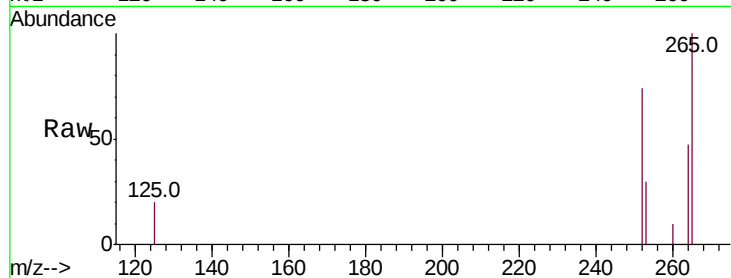
Lab File: BM025397.D

Acq: 08 Mar 2020 22:45

Instrument :

BNA\_M

ClientSampleId :



Tot Ion: 252 Resp: 3083

Ion Ratio Lower Upper

252 100

253 40.9 20.3 30.5#

125 26.7 13.0 19.4#

