

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\  
 Data File : BM025454.D  
 Acq On : 10 Mar 2020 15:58  
 Operator : CG/JU  
 Sample : L1617-13DL 5X  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBDS7DL

Manual Integrations  
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Quant Time: Mar 10 16:36:17 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 09 13:32:56 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 2755     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.43 | 136  | 11297    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.29 | 164  | 7724     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.03 | 188  | 16522    | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.22 | 240  | 10915    | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.41 | 264  | 10382    | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.03 | 152  | 1365     | 0.07   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.06 | 212  | 2796     | 0.06   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 12) Phenanthrene            | 17.07 | 178  | 5628     | 0.107  | ng/ul  | 98       |
| 15) Fluoranthene            | 19.09 | 202  | 44444    | 0.783  | ng/ul  | 100      |
| 17) Pyrene                  | 19.45 | 202  | 30748    | 0.628  | ng/ul  | 99       |
| 18) Benzo(a)anthracene      | 21.20 | 228  | 7459     | 0.191  | ng/ul  | 98       |
| 19) Chrysene                | 21.26 | 228  | 9238     | 0.211  | ng/ul  | 99       |
| 21) Benzo(b)fluoranthene    | 22.76 | 252  | 4431m    | 0.108  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 22.80 | 252  | 1967m    | 0.046  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.31 | 252  | 1429     | 0.042  | ng/ul# | 40       |

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

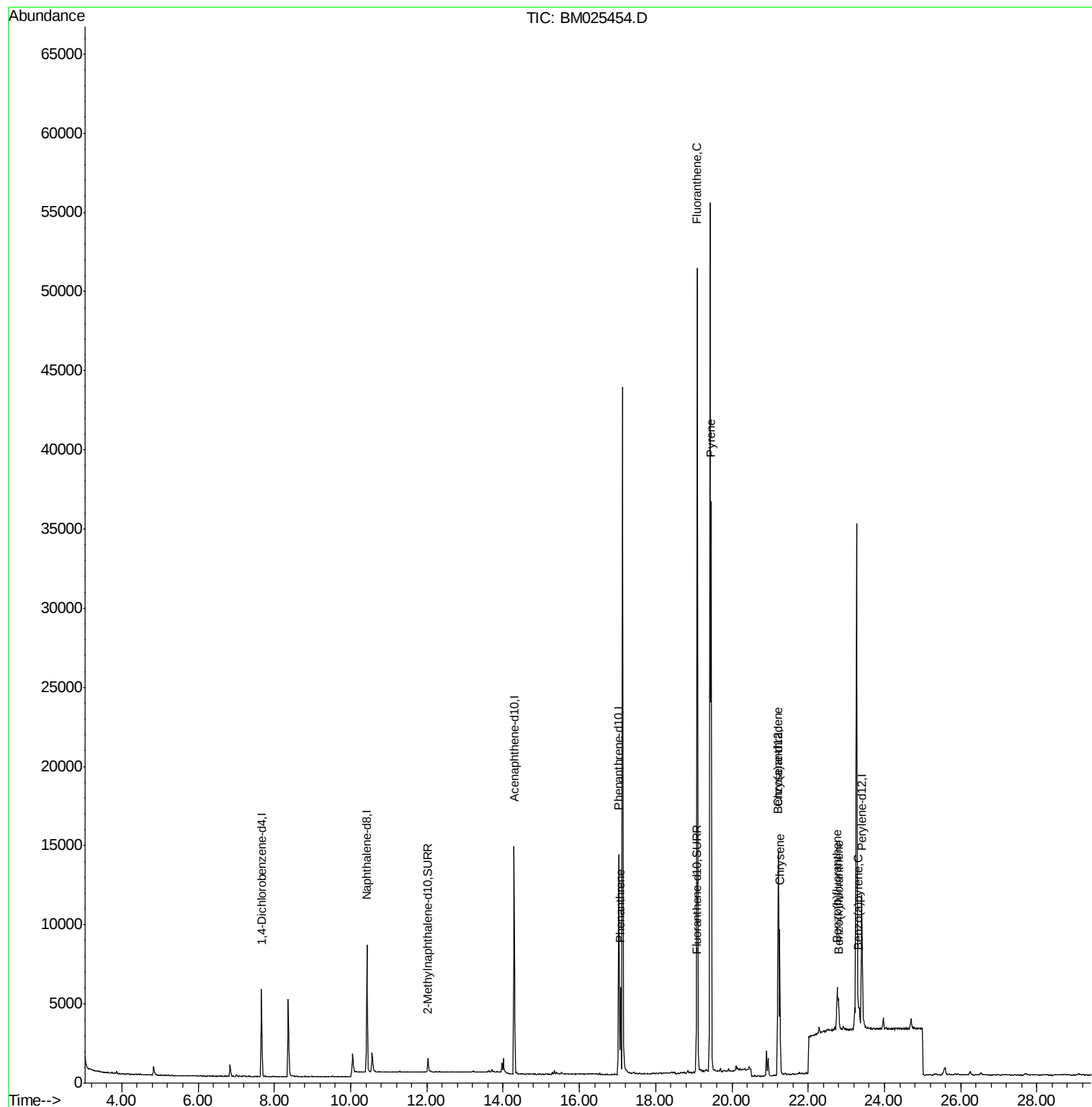
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030920\  
Data File : BM025454.D  
Acq On : 10 Mar 2020 15:58  
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Sample : L1617-13DL 5X  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

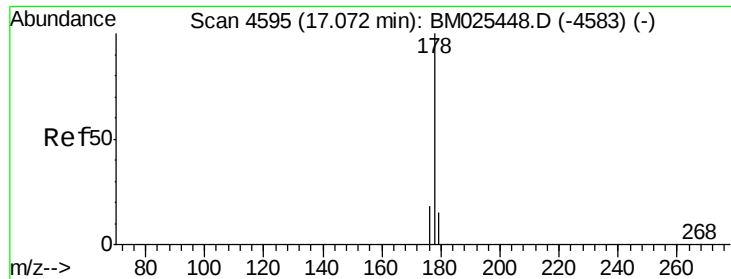
Instrument :  
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ClientSampleId :  
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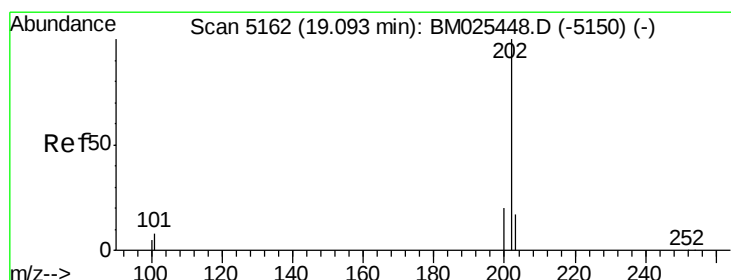
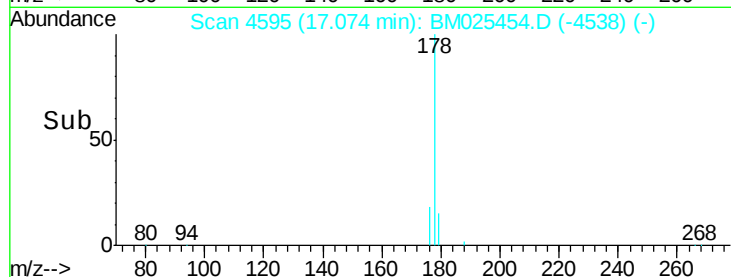
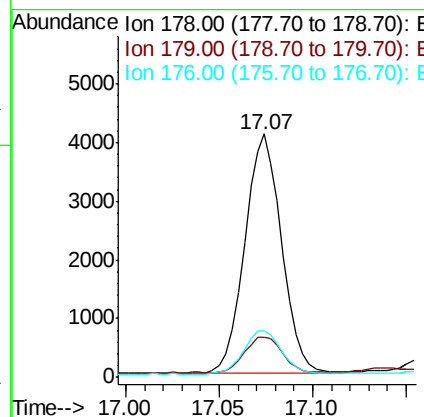
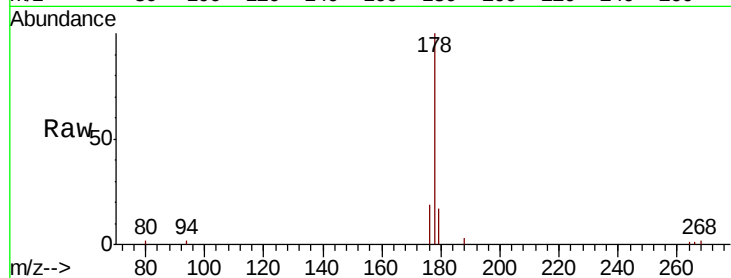
#12  
Phenanthrene  
Concen: 0.107 ng/ul  
RT: 17.07 min Scan# 4595  
Delta R.T. -0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.5  | 12.4  | 18.6  |
| 176     | 19.1  | 14.8  | 22.2  |

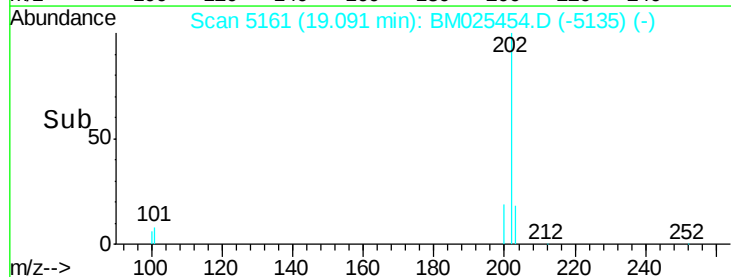
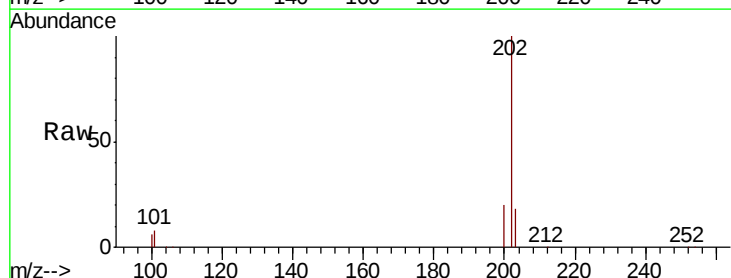
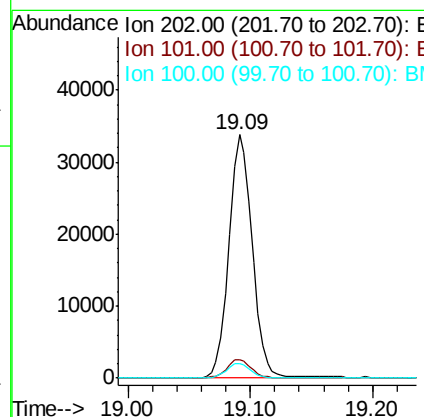
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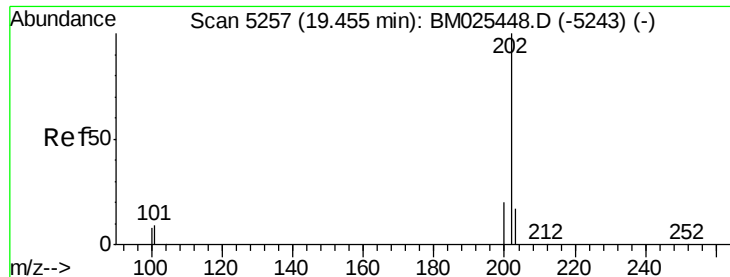
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#15  
Fluoranthene  
Concen: 0.783 ng/ul  
RT: 19.09 min Scan# 5161  
Delta R.T. -0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 7.7   | 0.0   | 27.5  |
| 100     | 6.0   | 0.0   | 26.0  |





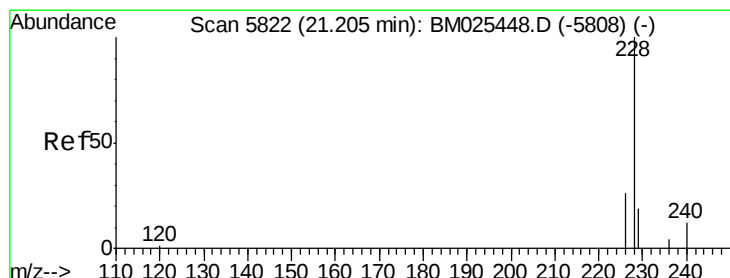
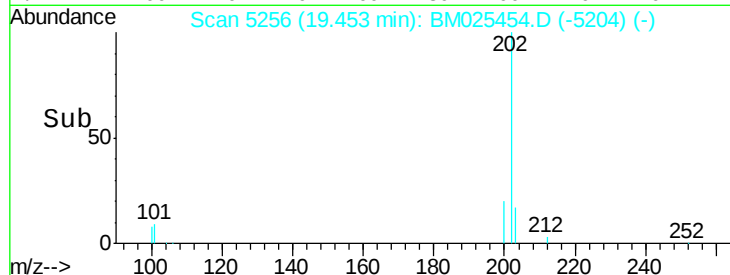
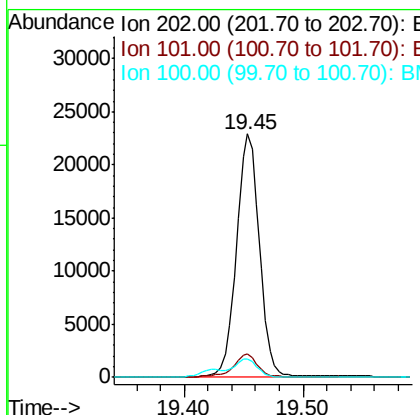
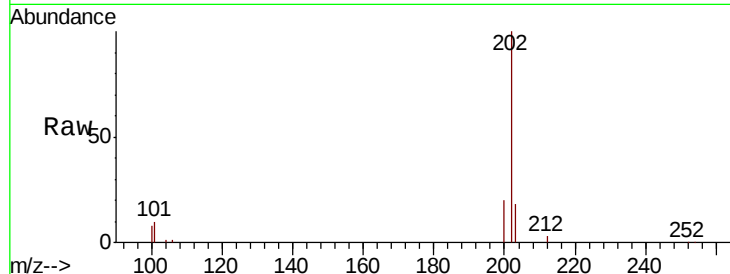
#17  
Pvrene  
Concen: 0.628 ng/ul  
RT: 19.45 min Scan# 5256  
Delta R.T. -0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS7DL

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 202     | 100   |            |            |
| 101     | 9.6   | 7.1        | 10.7       |
| 100     | 7.8   | 6.0        | 9.0        |

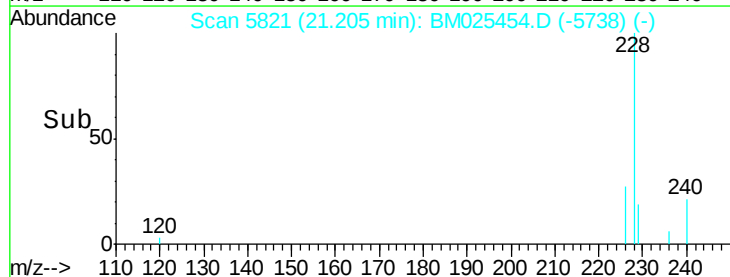
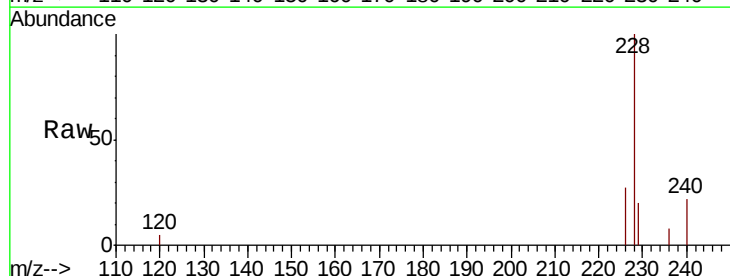
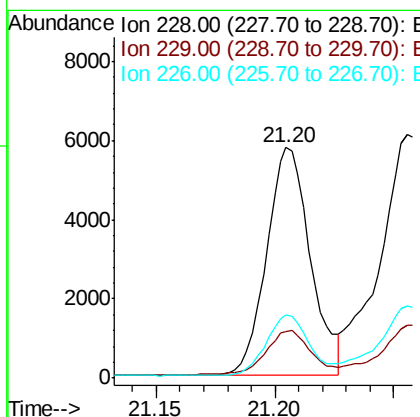
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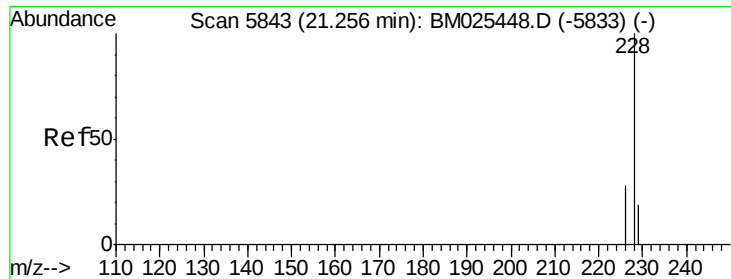
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#18  
Benzo(a)anthracene  
Concen: 0.191 ng/ul  
RT: 21.20 min Scan# 5821  
Delta R.T. -0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 228     | 100   |            |            |
| 229     | 20.4  | 15.6       | 23.4       |
| 226     | 27.4  | 21.1       | 31.7       |





#19

Chrysene

Concen: 0.211 ng/ul

RT: 21.26 min Scan# 5842

Delta R.T. -0.00 min

Lab File: BM025454.D

Acq: 10 Mar 2020 15:58

Instrument :

BNA\_M

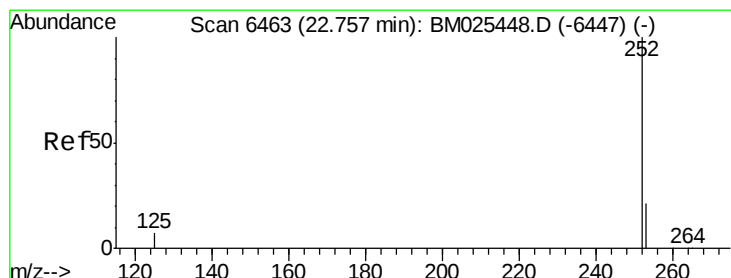
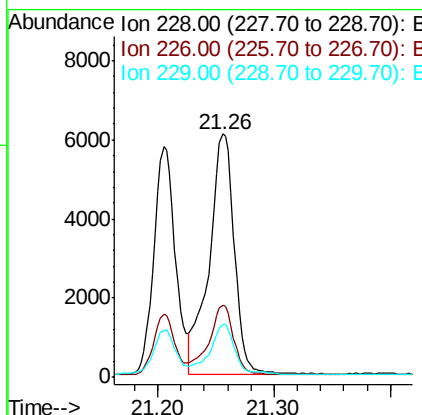
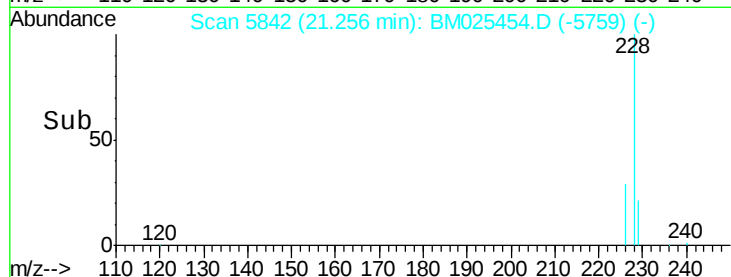
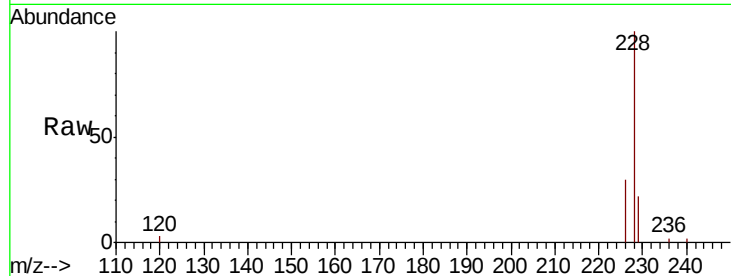
ClientSampleId :

DBDS7DL

|             |       |       |
|-------------|-------|-------|
| Tot Ion:228 | Resp: | 9238  |
| Ion Ratio   | Lower | Upper |
| 228 100     |       |       |
| 226 29.6    | 23.6  | 35.4  |
| 229 21.7    | 16.3  | 24.5  |

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#21

Benzo(b)fluoranthene

Concen: 0.108 ng/ul m

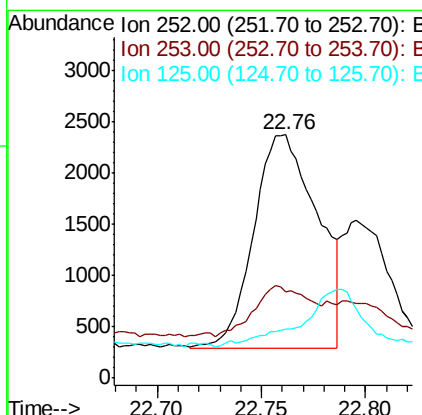
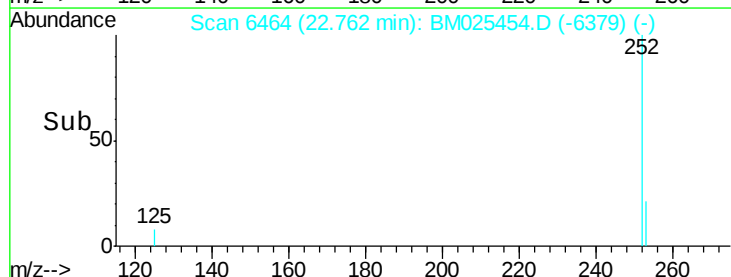
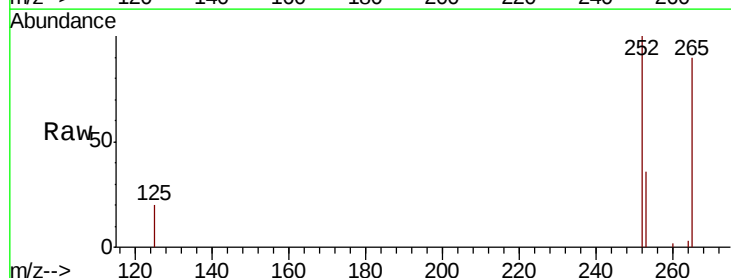
RT: 22.76 min Scan# 6464

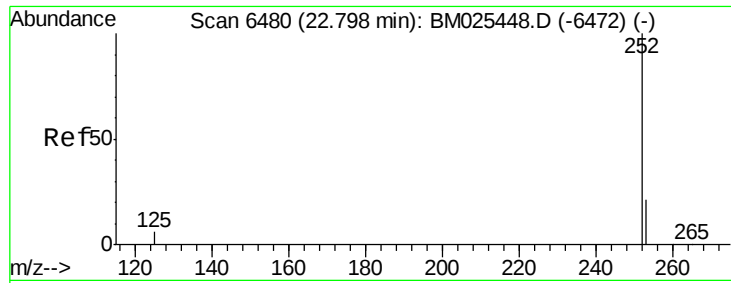
Delta R.T. 0.01 min

Lab File: BM025454.D

Acq: 10 Mar 2020 15:58

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:252 | Resp: | 4431  |
| Ion Ratio   | Lower | Upper |
| 252 100     |       |       |
| 253 35.5    | 0.0   | 50.2  |
| 125 20.2    | 0.0   | 17.6# |





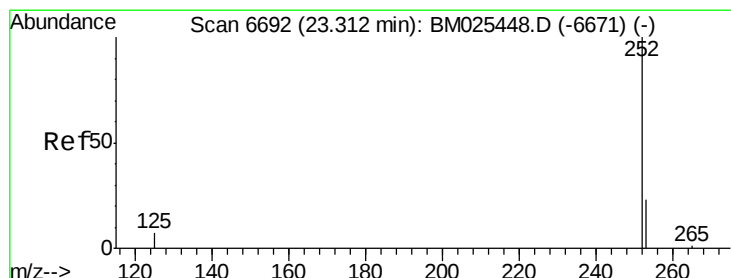
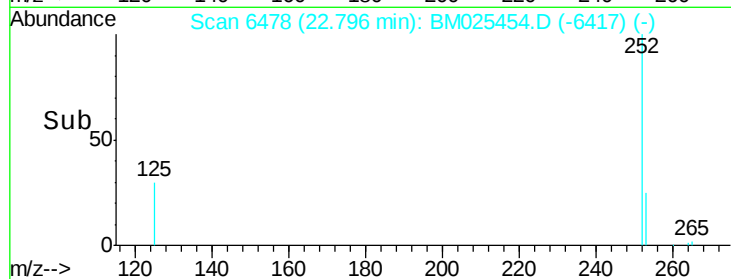
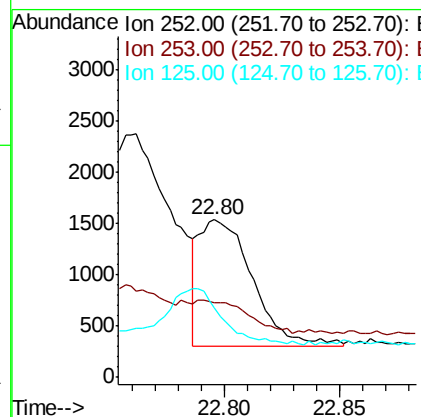
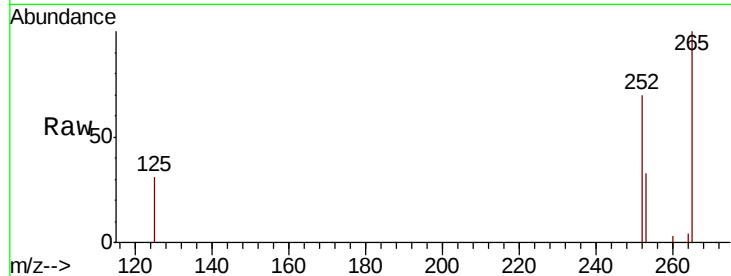
#22  
Benzo(k)fluoranthene  
Concen: 0.046 ng/ul m  
RT: 22.80 min Scan# 6478  
Delta R.T. -0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

Instrument :  
BNA\_M  
ClientSampleId :  
DBDS7DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 47.4  | 19.8  | 29.8# |
| 125     | 44.4  | 7.1   | 10.7# |

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#23  
Benzo(a)pyrene  
Concen: 0.042 ng/ul  
RT: 23.31 min Scan# 6691  
Delta R.T. 0.00 min  
Lab File: BM025454.D  
Acq: 10 Mar 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 55.1  | 21.3  | 31.9# |
| 125     | 37.4  | 8.5   | 12.7# |

