

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\  
 Data File : BM028813.D  
 Acq On : 19 Feb 2021 09:54  
 Operator : CG/JU  
 Sample : M1379-08DL 10X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBGY8DL

Manual Integrations  
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 2/19/2021 1:20:27 PM

Quant Time: Feb 19 10:33:23 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 19 10:10:00 2021  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.89  | 152  | 421      | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.69 | 136  | 1683     | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.53 | 164  | 913      | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.27 | 188  | 1846     | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.42 | 240  | 1696     | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.65 | 264  | 1623     | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.29 | 152  | 47       | 0.02   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.28 | 212  | 86       | 0.02   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 3) Naphthalene              | 10.74 | 128  | 137      | 0.033  | ng/ul# | 26       |
| 7) Acenaphthylene           | 14.26 | 152  | 110      | 0.030  | ng/ul# | 22       |
| 8) Acenaphthene             | 14.60 | 153  | 174      | 0.059  | ng/ul# | 89       |
| 9) Fluorene                 | 15.58 | 166  | 490      | 0.149  | ng/ul# | 97       |
| 12) Phenanthrene            | 17.31 | 178  | 4240     | 0.822  | ng/ul  | 97       |
| 13) Anthracene              | 17.41 | 178  | 394      | 0.080  | ng/ul# | 70       |
| 15) Fluoranthene            | 19.32 | 202  | 5458     | 0.929  | ng/ul  | 94       |
| 17) Pyrene                  | 19.68 | 202  | 6272     | 1.018  | ng/ul  | 95       |
| 18) Benzo(a)anthracene      | 21.41 | 228  | 623      | 0.108  | ng/ul# | 76       |
| 19) Chrysene                | 21.46 | 228  | 798      | 0.139  | ng/ul# | 74       |
| 21) Benzo(b)fluoranthene    | 22.99 | 252  | 671m     | 0.121  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.02 | 252  | 221m     | 0.040  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.55 | 252  | 232      | 0.047  | ng/ul# | 1        |
| 24) Indeno(1,2,3-cd)pyrene  | 25.91 | 276  | 214      | 0.033  | ng/ul# | 100      |
| 26) Benzo(g,h,i)perylene    | 26.60 | 276  | 205      | 0.038  | ng/ul# | 16       |

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

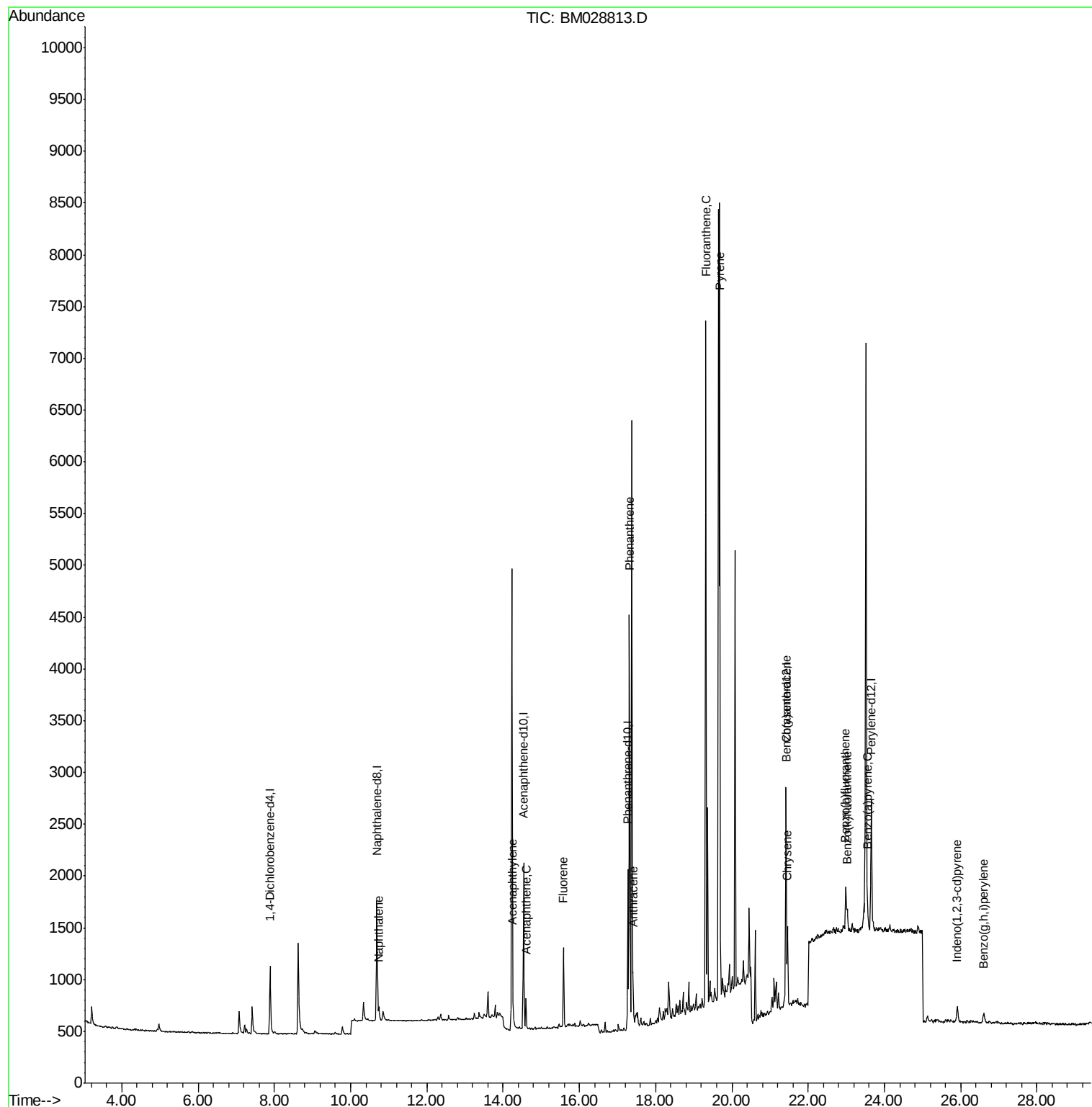
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021821\  
Data File : BM028813.D  
Acq On : 19 Feb 2021 09:54  
Operator : CG/JU  
Sample : M1379-08DL 10X  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

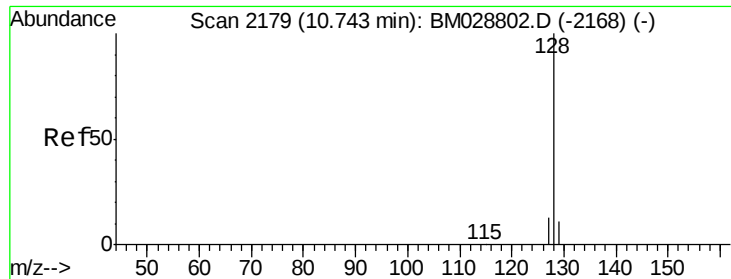
Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

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Quant Time: Feb 19 10:33:23 2021  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM020521.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 19 10:10:00 2021  
Response via : Initial Calibration





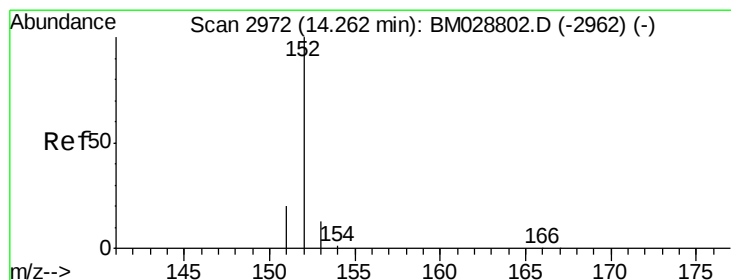
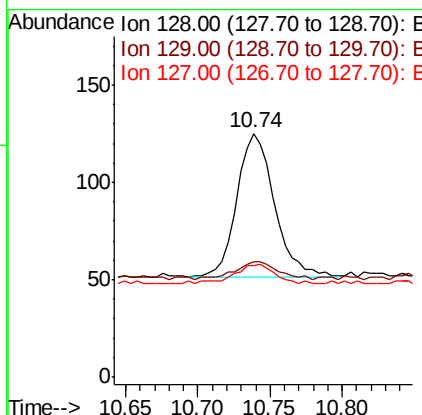
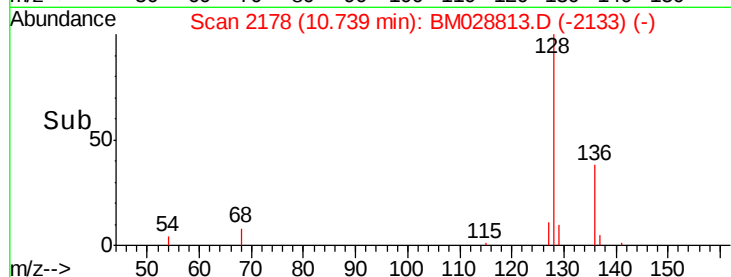
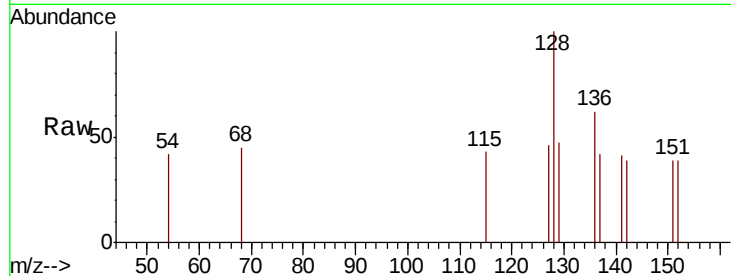
#3  
Naphthalene  
Concen: 0.033 ng/ul  
RT: 10.74 min Scan# 2178  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 47.2  | 11.4  | 17.2# |
| 127     | 45.6  | 13.0  | 19.6# |

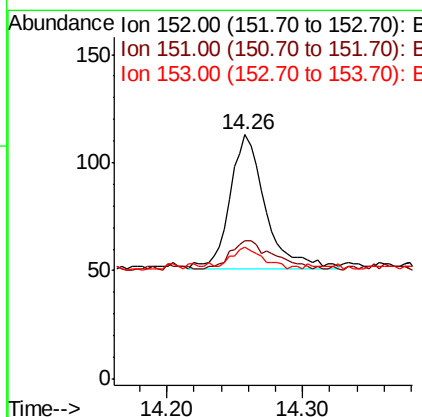
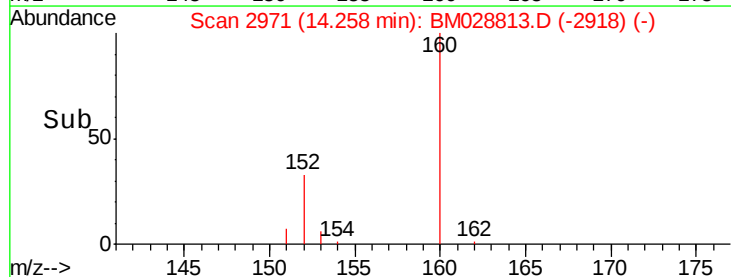
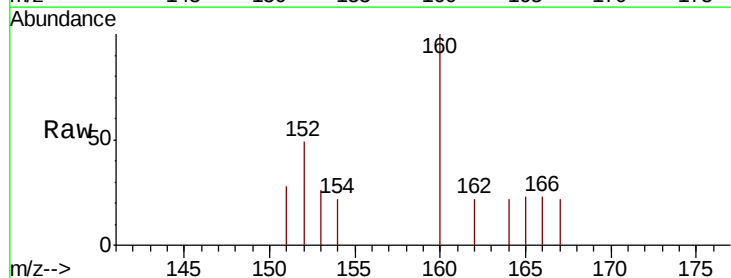
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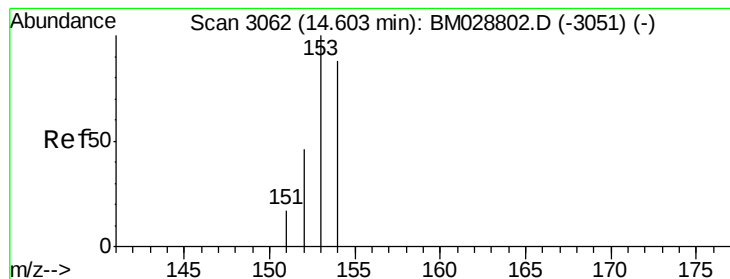
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#7  
Acenaphthylene  
Concen: 0.030 ng/ul  
RT: 14.26 min Scan# 2971  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 56.6  | 18.0  | 27.0# |
| 153     | 54.0  | 13.4  | 20.0# |





#8

Acenaphthene

Concen: 0.059 ng/ul

RT: 14.60 min Scan# 3061

Delta R.T. 0.00 min

Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

Instrument :

BNA\_M

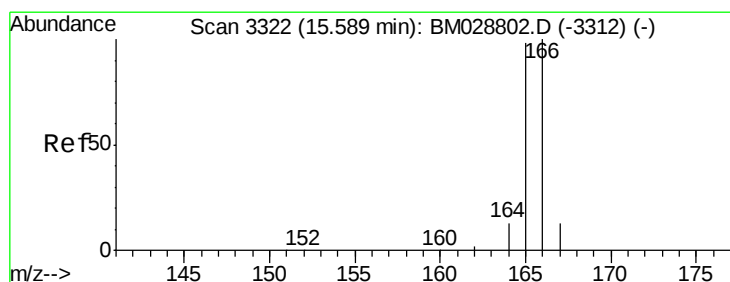
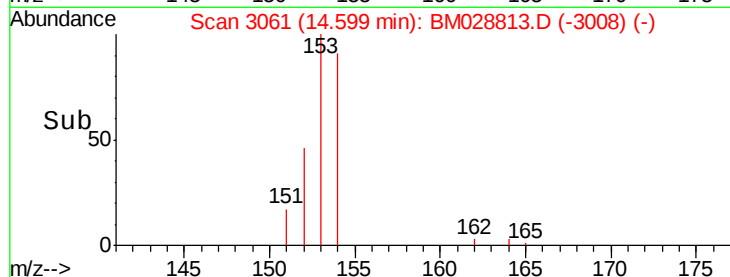
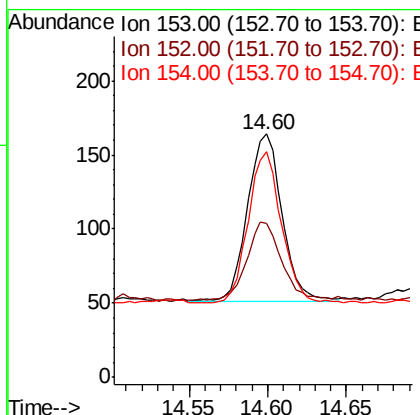
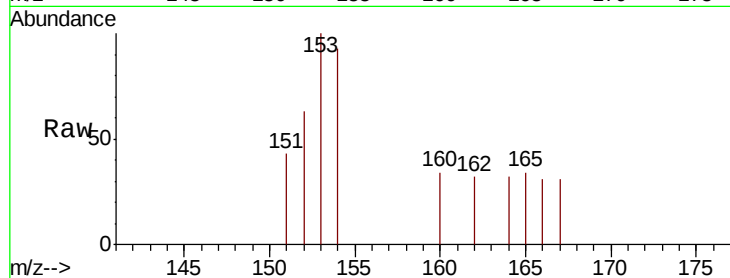
ClientSampleID :

DBGY8DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 153   | Resp: | 174   |
| Ion      | Ratio | Lower | Upper |
| 153      | 100   |       |       |
| 152      | 63.4  | 39.6  | 59.4# |
| 154      | 92.7  | 70.3  | 105.5 |

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#9

Fluorene

Concen: 0.149 ng/ul

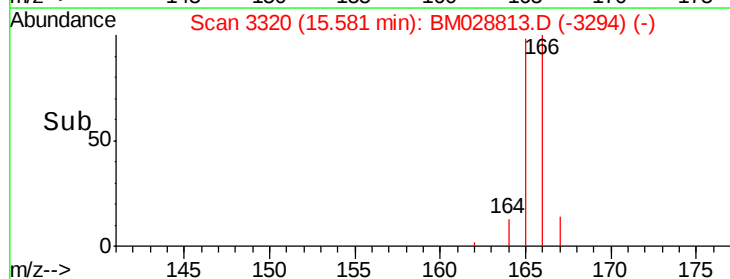
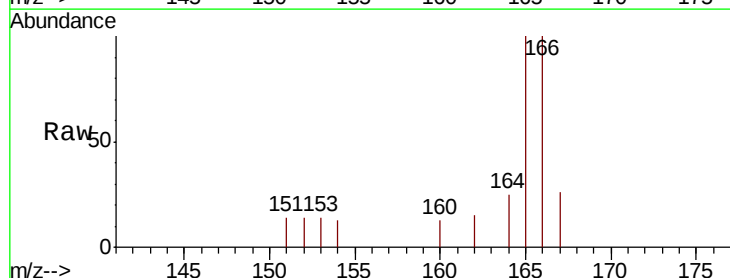
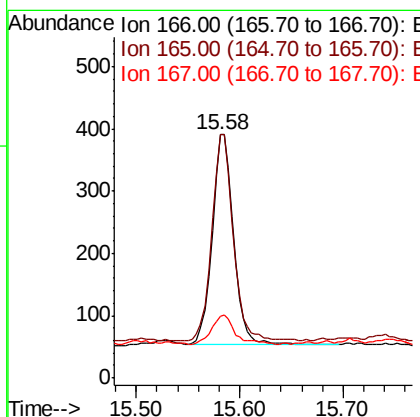
RT: 15.58 min Scan# 3320

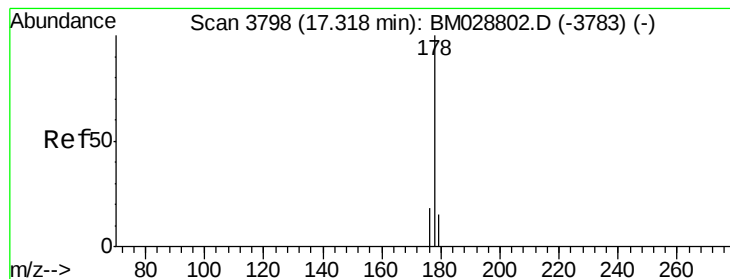
Delta R.T. -0.00 min

Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 166   | Resp: | 490   |
| Ion      | Ratio | Lower | Upper |
| 166      | 100   |       |       |
| 165      | 100.0 | 79.6  | 119.4 |
| 167      | 25.6  | 13.9  | 20.9# |





#12

Phenanthrene

Concen: 0.822 ng/ul

RT: 17.31 min Scan# 3796

Delta R.T. -0.00 min

Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

Instrument :

BNA\_M

ClientSampleId :

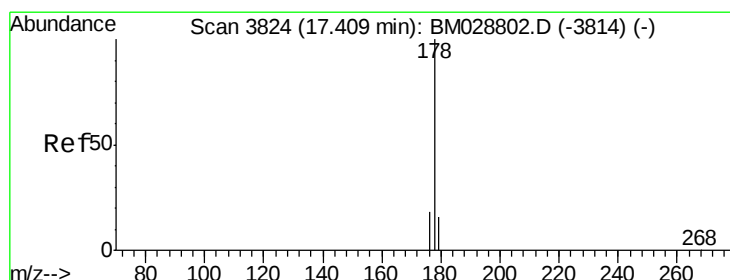
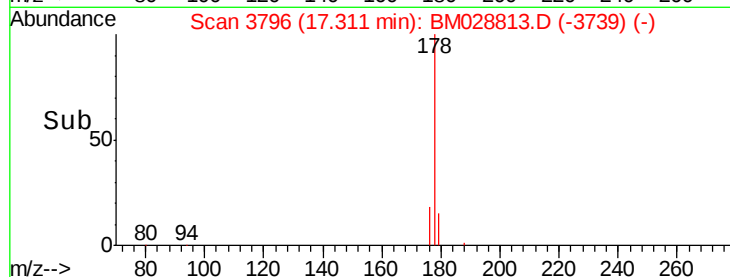
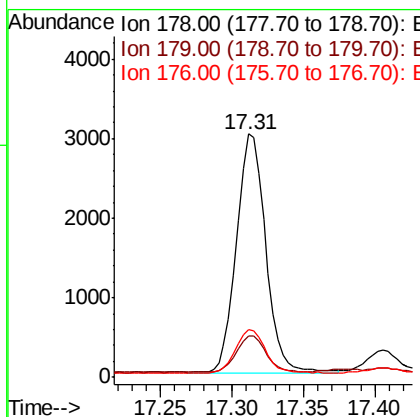
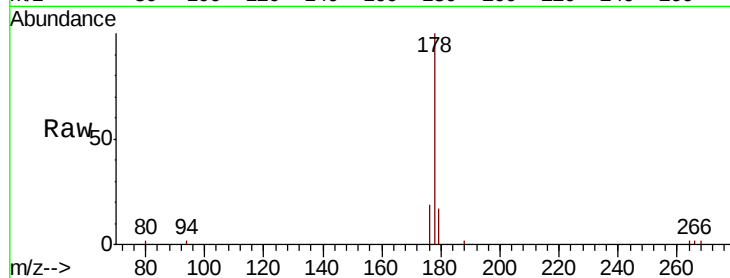
DBGY8DL

Tot Ion:178 Resp: 4240

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 16.9  | 14.7  | 22.1  |
| 176 | 19.4  | 16.7  | 25.1  |

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#13

Anthracene

Concen: 0.080 ng/ul

RT: 17.41 min Scan# 3823

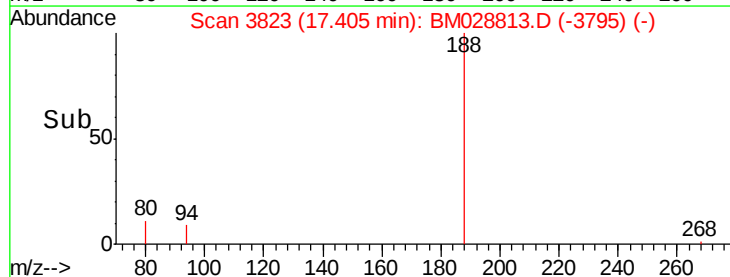
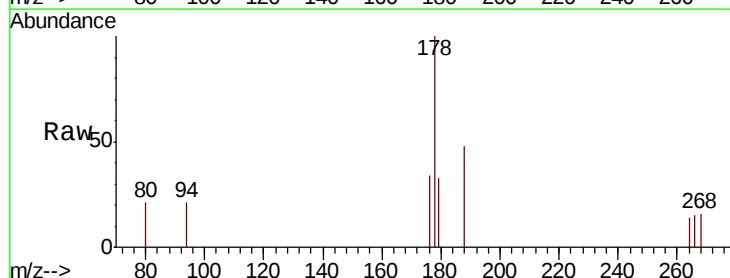
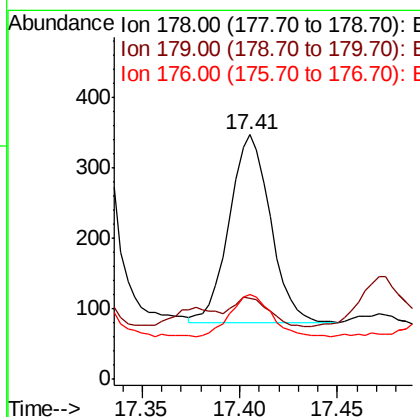
Delta R.T. -0.00 min

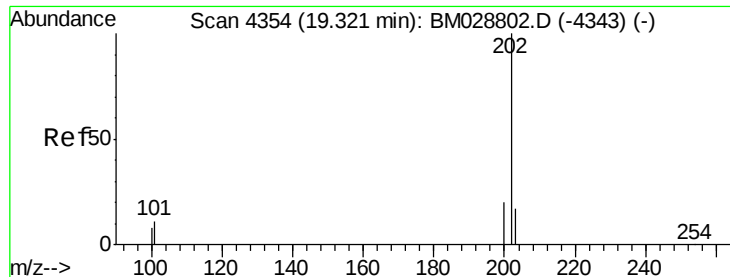
Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

Tgt Ion:178 Resp: 394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 32.9  | 15.0  | 22.4# |
| 176 | 34.3  | 16.6  | 24.8# |





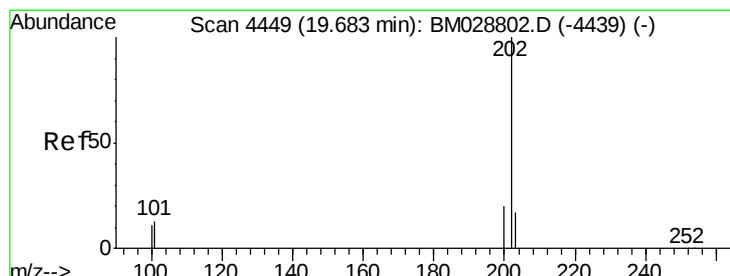
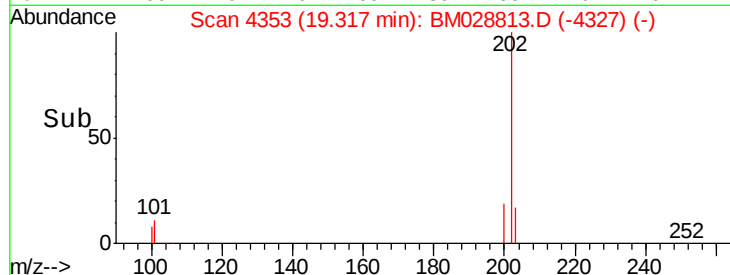
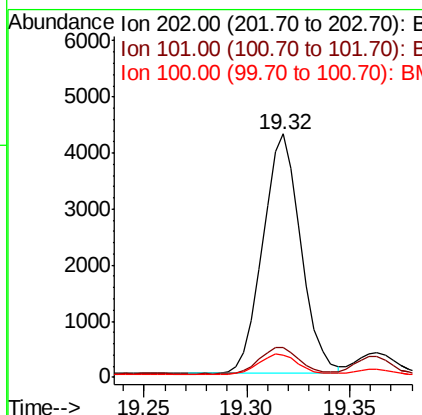
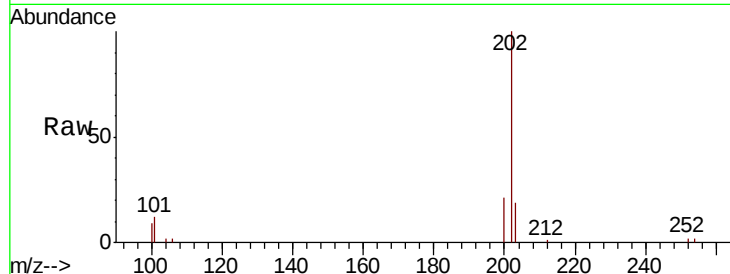
#15  
Fluoranthene  
Concen: 0.929 ng/ul  
RT: 19.32 min Scan# 4353  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 202   | Resp: | 5458 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 12.2  | 0.0   | 34.5 |
| 100       | 9.4   | 0.0   | 31.7 |

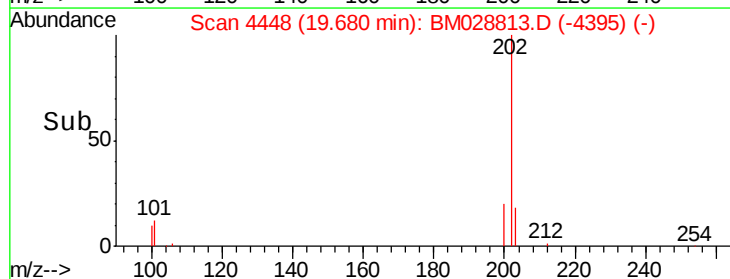
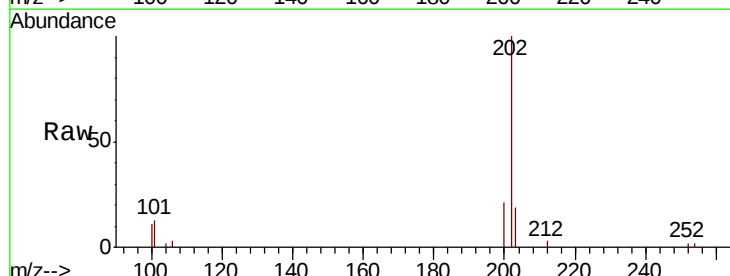
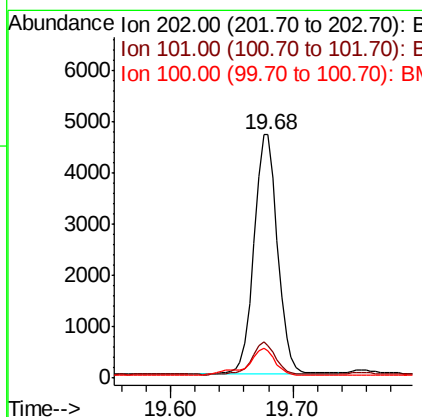
Manual Integrations  
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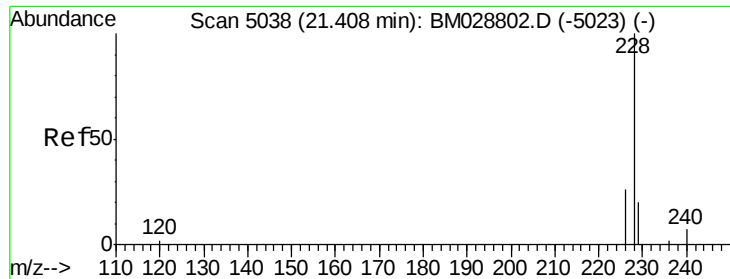
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#17  
Pyrene  
Concen: 1.018 ng/ul  
RT: 19.68 min Scan# 4448  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 6272 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 13.5  | 12.7  | 19.1 |
| 100       | 11.2  | 10.2  | 15.4 |





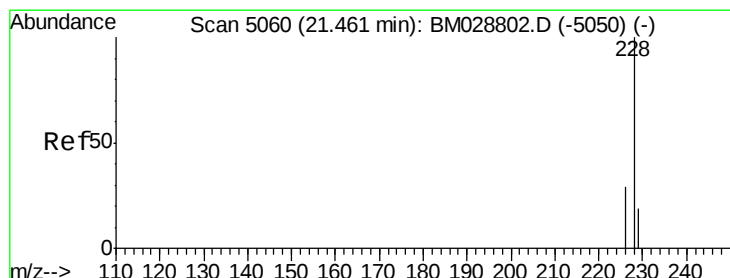
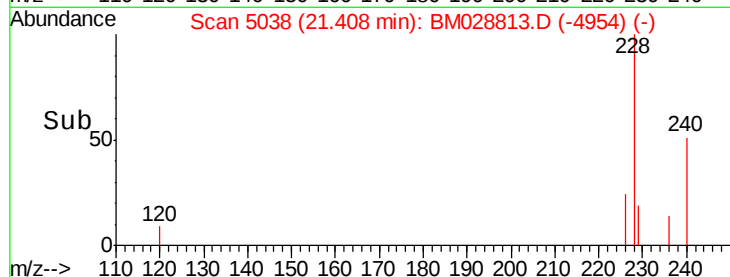
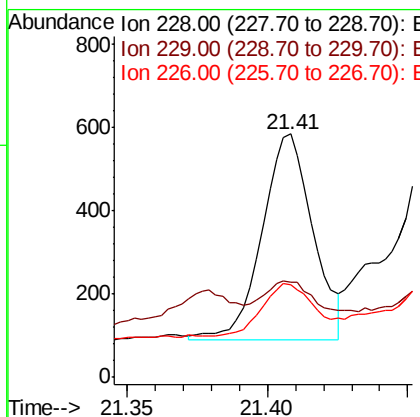
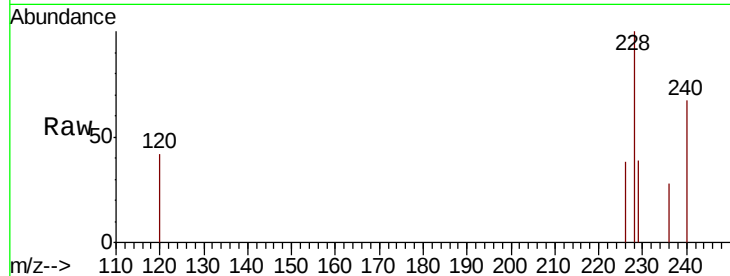
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Benzo(a)anthracene  
Concen: 0.108 ng/ul  
RT: 21.41 min Scan# 5038  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 38.9  | 18.9  | 28.3# |
| 226     | 37.8  | 22.6  | 34.0# |

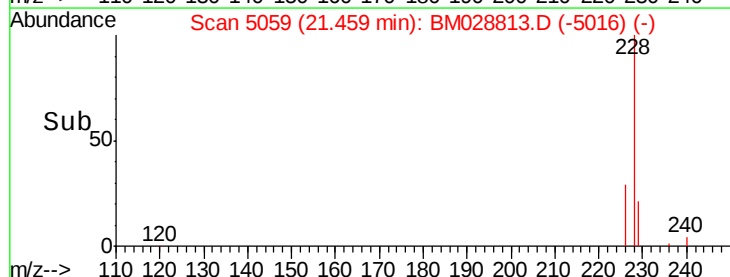
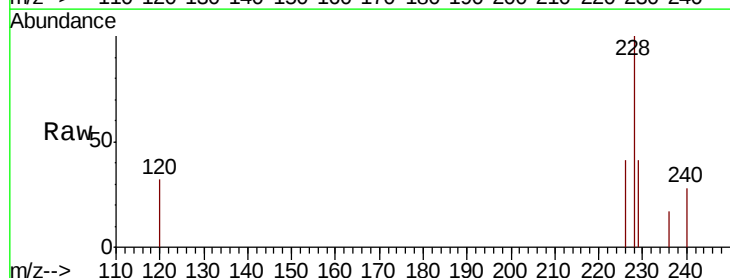
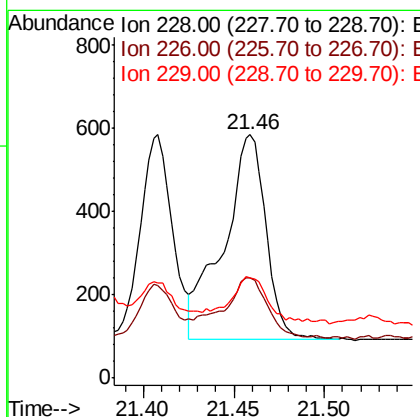
Manual Integrations  
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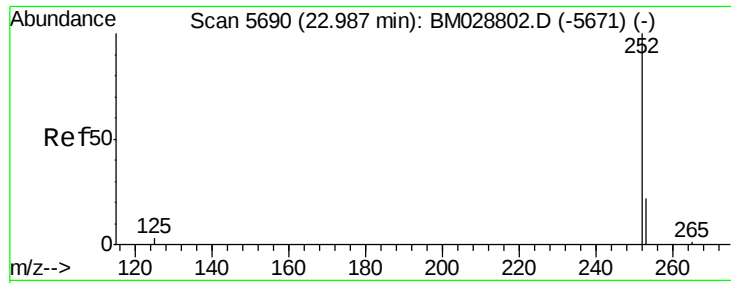
mohammad  
2/19/2021 1:20:27 PM



#19  
Chrysene  
Concen: 0.139 ng/ul  
RT: 21.46 min Scan# 5059  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 41.0  | 24.6  | 37.0# |
| 229     | 41.2  | 18.8  | 28.2# |





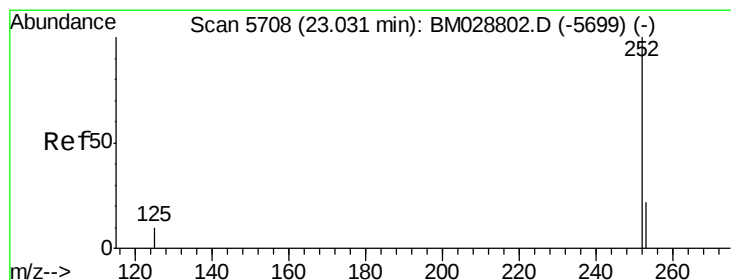
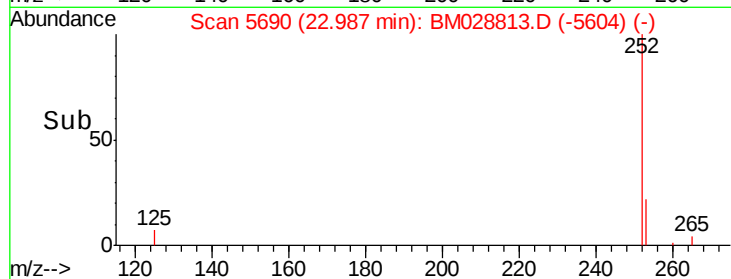
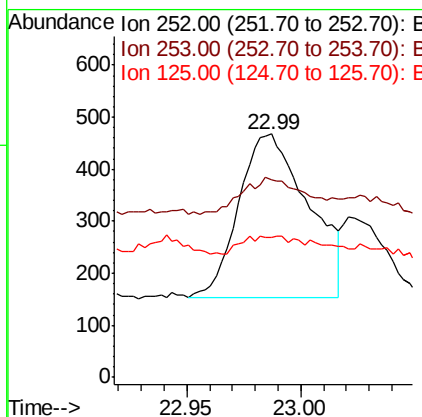
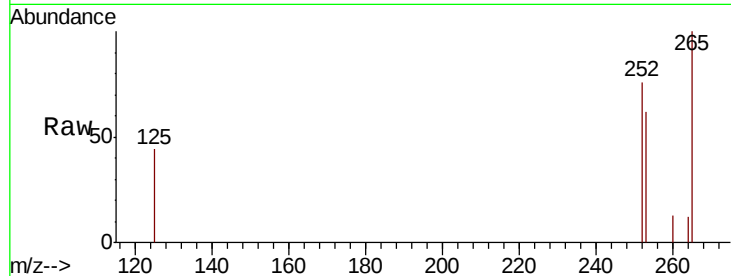
#21  
Benzo(b)fluoranthene  
Concen: 0.121 ng/ul m  
RT: 22.99 min Scan# 5690  
Delta R.T. 0.01 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 81.0  | 0.0   | 67.0# |
| 125     | 57.3  | 0.0   | 57.4  |

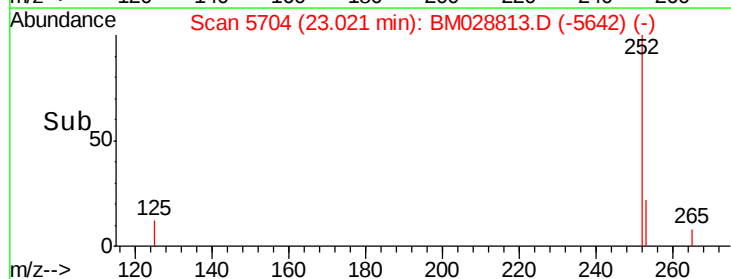
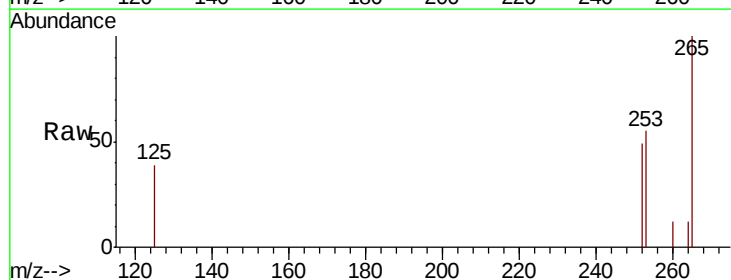
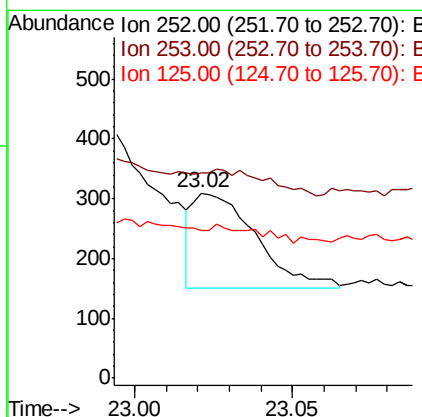
Manual Integrations  
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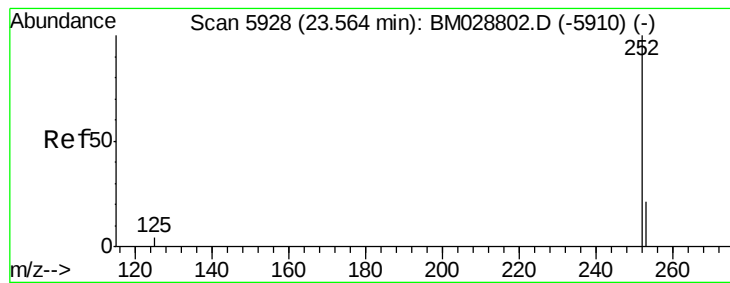
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#22  
Benzo(k)fluoranthene  
Concen: 0.040 ng/ul m  
RT: 23.02 min Scan# 5704  
Delta R.T. -0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 111.3 | 26.3  | 39.5# |
| 125     | 80.3  | 22.9  | 34.3# |





#23

Benzo(a)pyrene

Concen: 0.047 ng/ul

RT: 23.55 min Scan# 5924

Delta R.T. 0.00 min

Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

Instrument :

BNA\_M

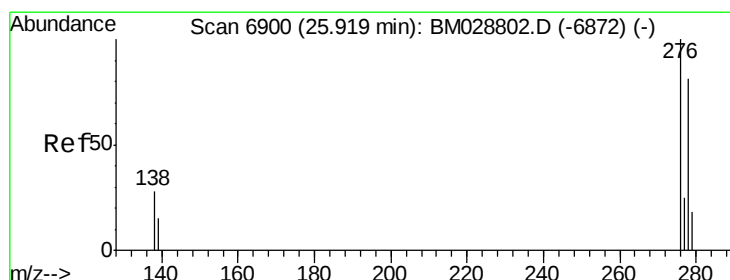
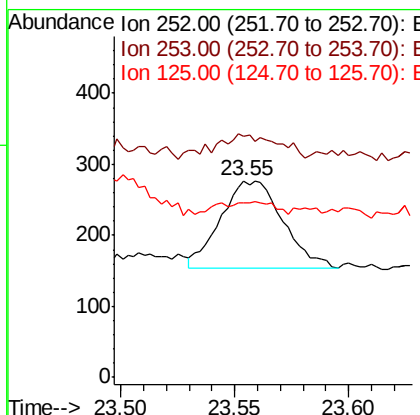
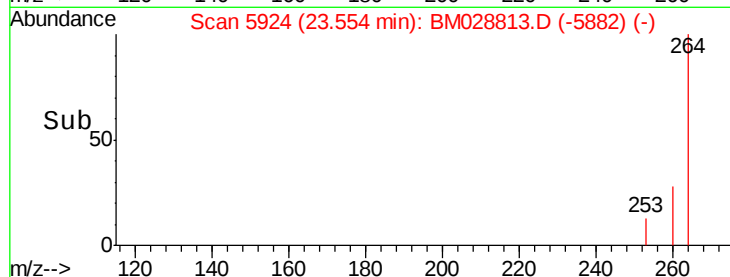
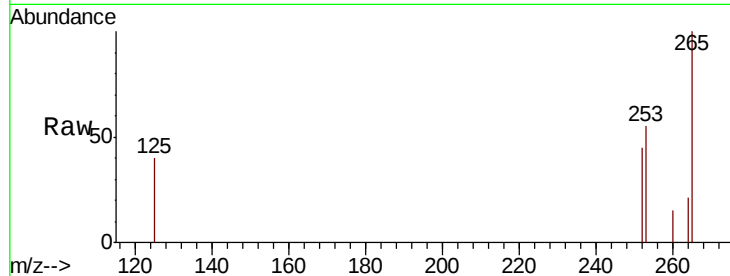
ClientSampleId :

DBGY8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 122.4 | 28.7  | 43.1# |
| 125     | 88.8  | 27.9  | 41.9# |

Manual Integrations  
APPROVED

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2/19/2021 1:20:27 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.033 ng/ul

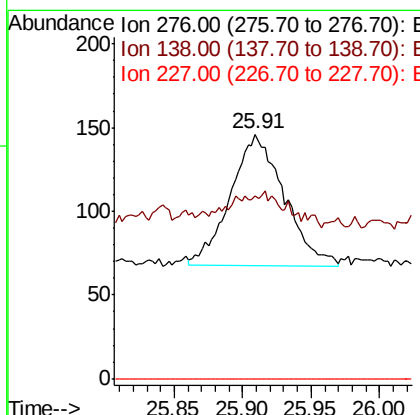
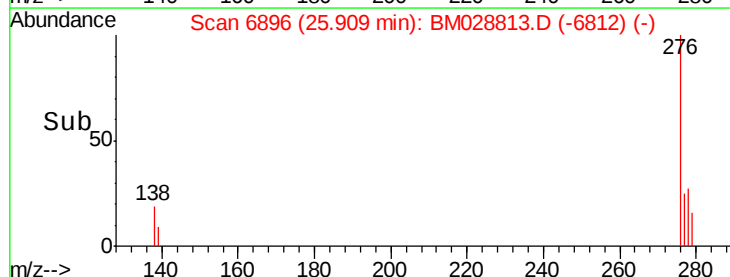
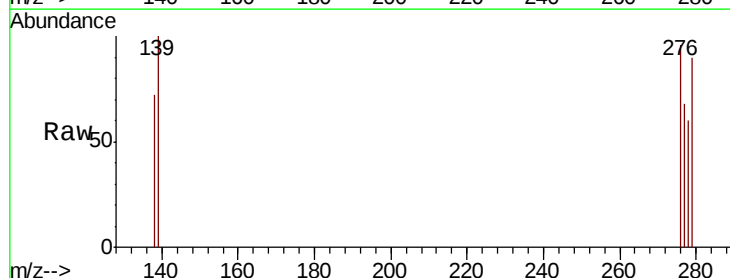
RT: 25.91 min Scan# 6896

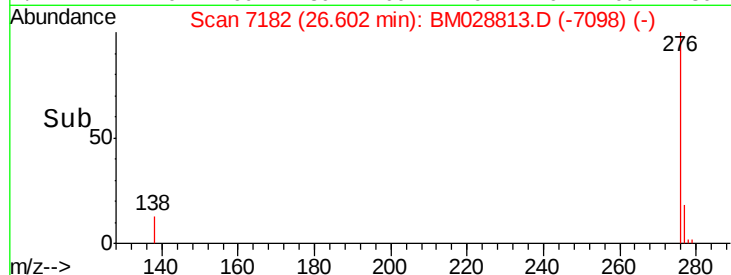
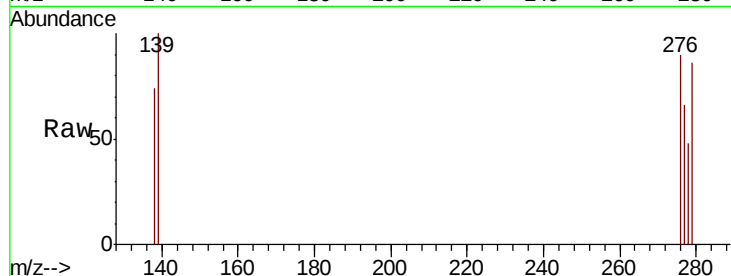
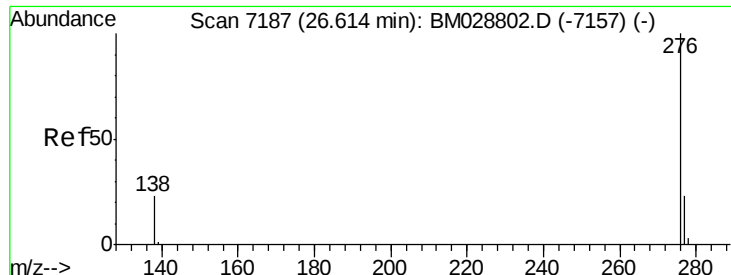
Delta R.T. 0.00 min

Lab File: BM028813.D

Acq: 19 Feb 2021 09:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.2  | 0.0   | 0.0#  |
| 227     | 0.0   | 0.0   | 0.0   |





#26  
Benzo(a,h,i)perylene  
Concen: 0.038 ng/ul  
RT: 26.60 min Scan# 7182  
Delta R.T. 0.00 min  
Lab File: BM028813.D  
Acq: 19 Feb 2021 09:54

Instrument :  
BNA\_M  
ClientSampleId :  
DBGY8DL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 82.3  | 25.4  | 38.2# |
| 277     | 73.8  | 25.3  | 37.9# |

Manual Integrations  
APPROVED

mohammad  
2/19/2021 1:20:27 PM

