

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\  
 Data File : BM025876.D  
 Acq On : 31 Mar 2020 21:39  
 Operator : CG/JU  
 Sample : L2062-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F3E07

Manual Integrations  
 APPROVED

mohammad  
 4/1/2020 11:56:24 AM

Quant Time: Apr 01 02:06:09 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 01 01:28:55 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.56  | 152  | 177106   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 714633   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.20 | 164  | 426188   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.95 | 188  | 919588   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 1027660  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 1164249  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 20237   | 4.79  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 388791  | 27.81 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 233593  | 29.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.10  | 132 | 332923  | 29.35 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.26  | 113 | 319718  | 27.84 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 164590  | 30.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 171437  | 30.36 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 329438  | 28.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.46 | 131 | 100045  | 7.46  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.62 | 166 | 978238  | 30.20 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.89 | 160 | 1218294 | 31.39 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.40 | 143 | 142196  | 23.06 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.20 | 176 | 890479  | 31.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 126809  | 22.60 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.05 | 188 | 1384014 | 32.22 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.34 | 212 | 1551355 | 31.43 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 1990756 | 33.40 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |        | Ovalue   |
|----------------------------|-------|-----|----------|--------|----------|
| 45) Dimethylphthalate      | 13.66 | 163 | 226151   | 6.707  | ng/ul 99 |
| 48) Acenaphthylene         | 13.92 | 152 | 87712    | 2.087  | ng/ul 99 |
| 72) Anthracene             | 17.07 | 178 | 371487   | 6.734  | ng/ul 98 |
| 77) Fluoranthene           | 19.01 | 202 | 951909   | 14.920 | ng/ul 98 |
| 80) Pyrene                 | 19.37 | 202 | 1740959  | 25.224 | ng/ul 99 |
| 83) Benzo(a)anthracene     | 21.13 | 228 | 1525135  | 22.510 | ng/ul 96 |
| 85) Chrysene               | 21.18 | 228 | 2753364  | 41.420 | ng/ul 99 |
| 88) Benzo(b)fluoranthene   | 22.66 | 252 | 3487906  | 48.015 | ng/ul 99 |
| 89) Benzo(k)fluoranthene   | 22.70 | 252 | 1076791m | 15.047 | ng/ul    |
| 91) Benzo(a)pyrene         | 23.20 | 252 | 1467949  | 22.206 | ng/ul 98 |
| 92) Indeno(1,2,3-cd)pyrene | 25.41 | 276 | 732668   | 8.392  | ng/ul 97 |
| 93) Dibenzo(a,h)anthracene | 25.41 | 278 | 201236m  | 2.722  | ng/ul    |
| 94) Benzo(g,h,i)perylene   | 26.05 | 276 | 400227   | 5.562  | ng/ul 99 |

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

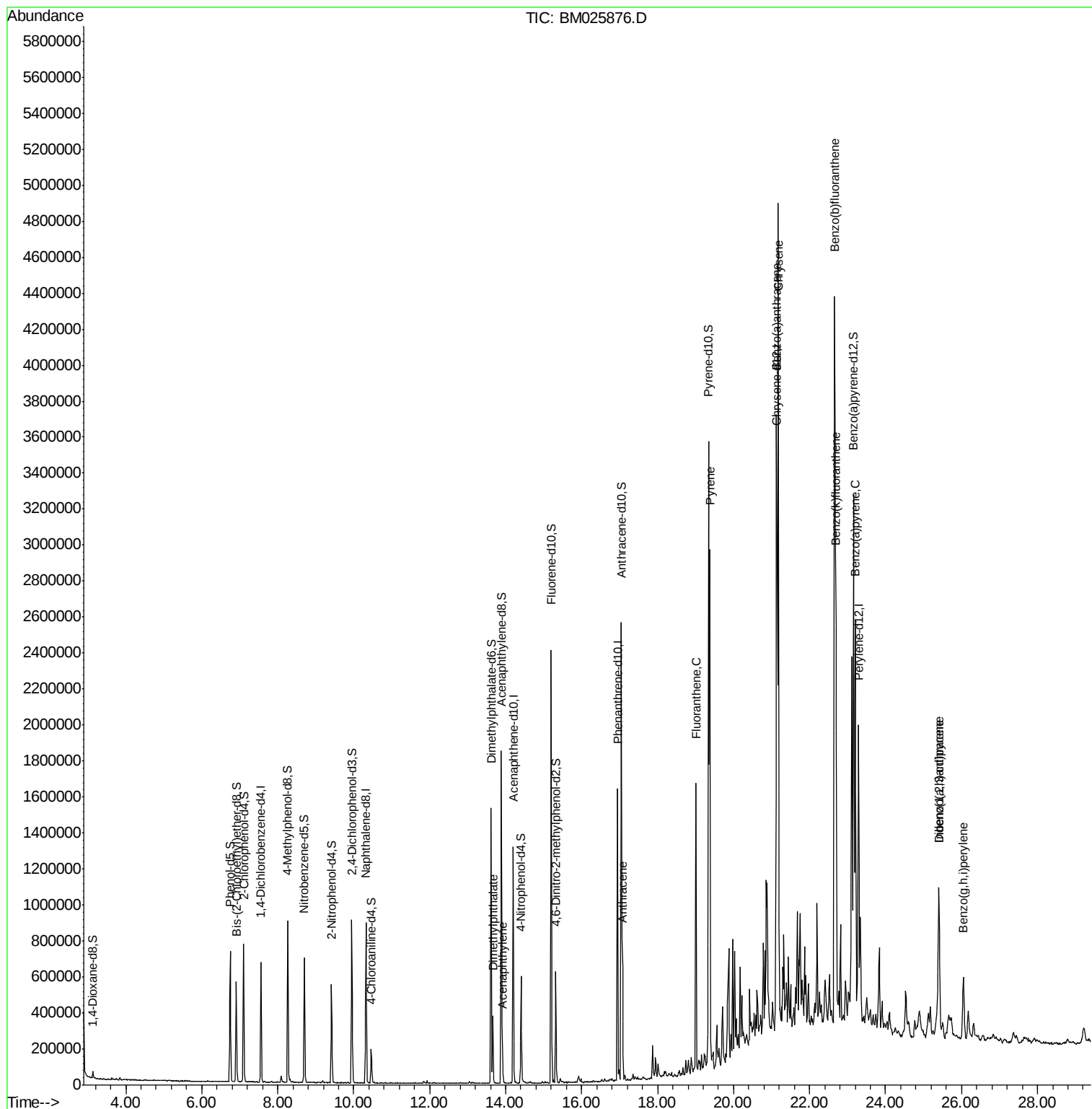
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040120\  
Data File : BM025876.D  
Acq On : 31 Mar 2020 21:39  
Operator : CG/JU  
Sample : L2062-08  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

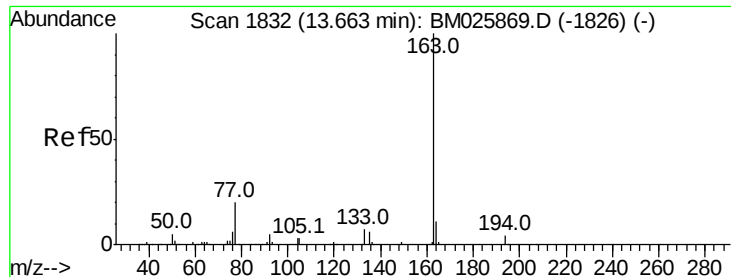
Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

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Quant Time: Apr 01 02:06:09 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 01 01:28:55 2020  
Response via : Initial Calibration





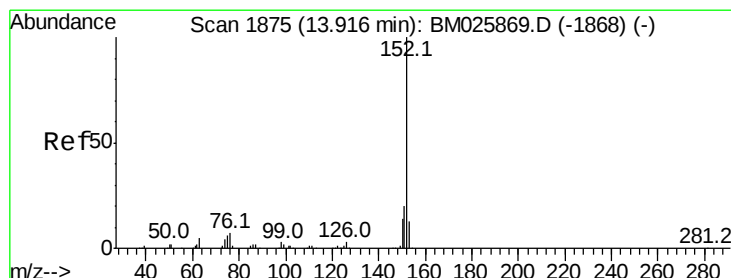
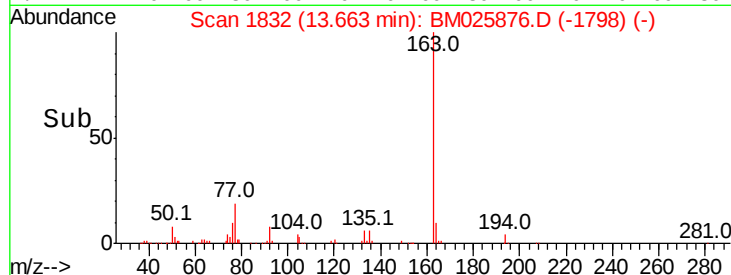
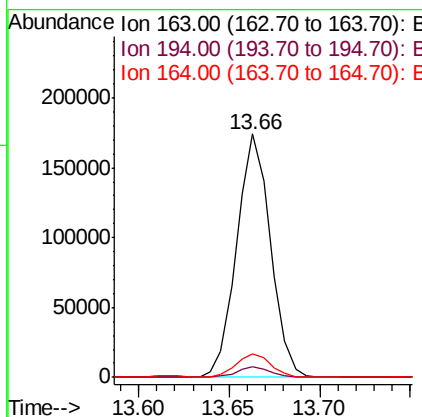
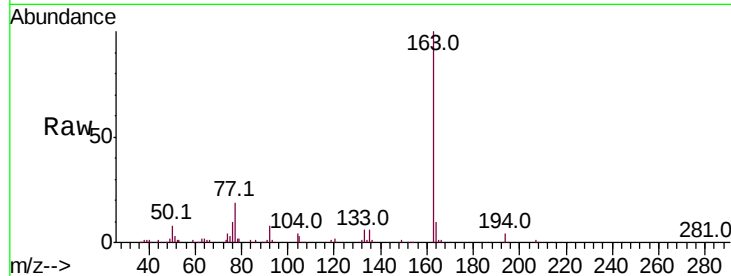
#45  
Dimethylphthalate  
Concen: 6.707 ng/ul  
RT: 13.66 min Scan# 1832  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 226151 |       |       |
| 194     | 4.1   | 3.5    | 5.3   |       |
| 164     | 9.6   | 8.2    | 12.4  |       |

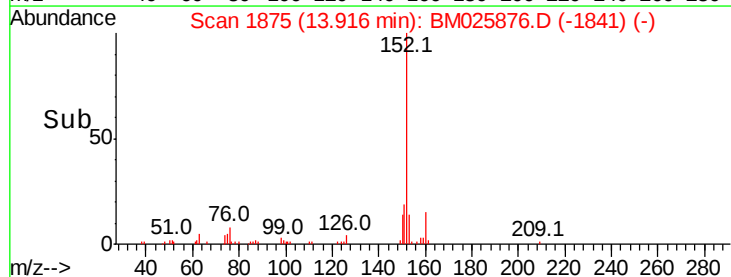
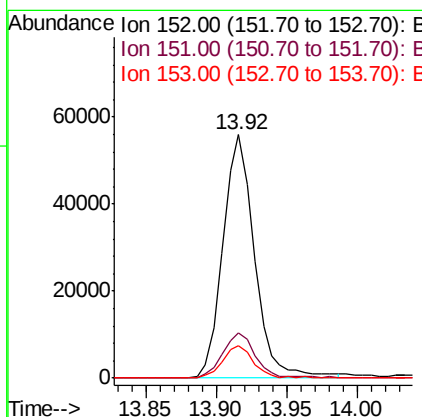
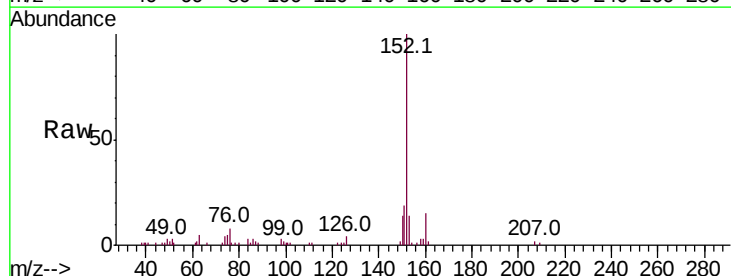
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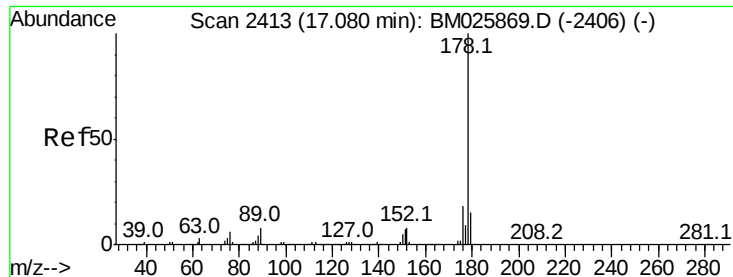
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#48  
Acenaphthylene  
Concen: 2.087 ng/ul  
RT: 13.92 min Scan# 1875  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 87712 |       |       |
| 151     | 18.8  | 15.8  | 23.6  |       |
| 153     | 13.5  | 10.6  | 16.0  |       |





#72

Anthracene

Concen: 6.734 ng/ul

RT: 17.07 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM025876.D

Acq: 31 Mar 2020 21:39

Instrument :

BNA\_M

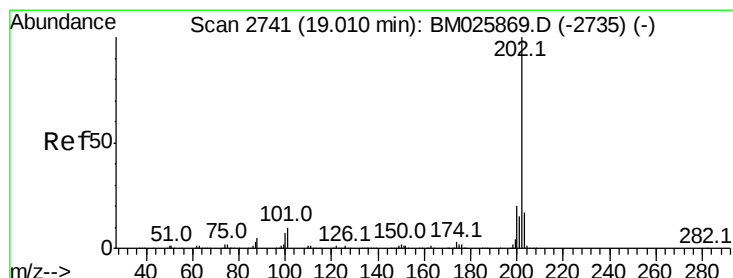
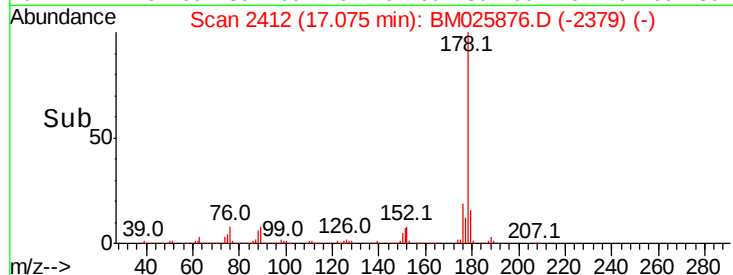
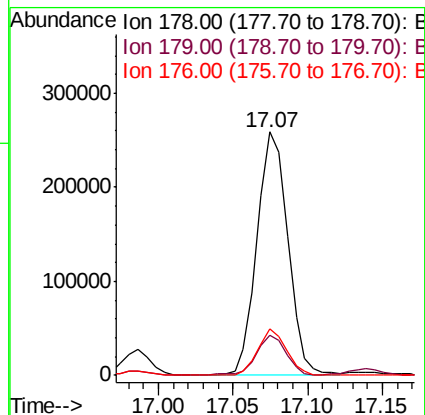
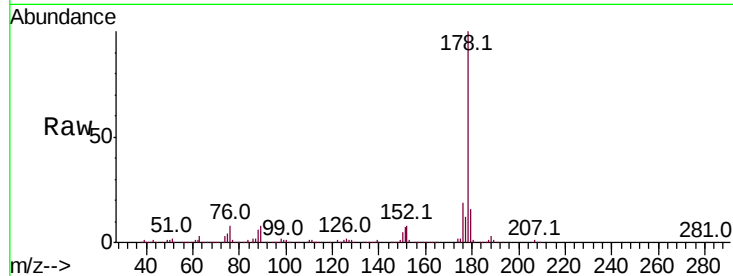
ClientSampleId :

F3E07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 371487 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 16.3  | 12.5  | 18.7   |
| 176       | 19.0  | 14.5  | 21.7   |

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#77

Fluoranthene

Concen: 14.920 ng/ul

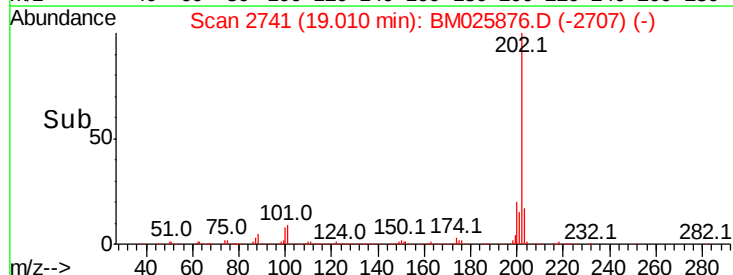
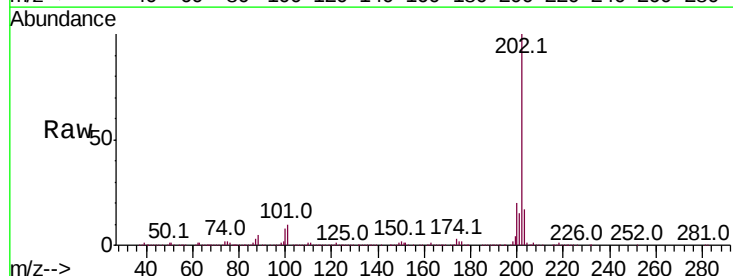
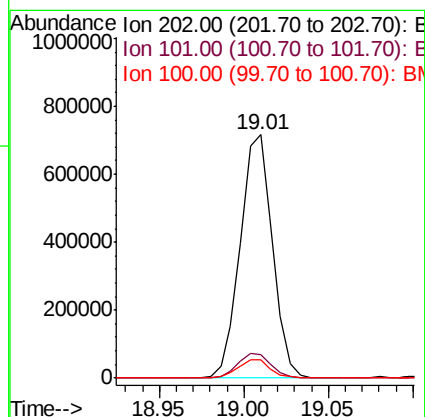
RT: 19.01 min Scan# 2741

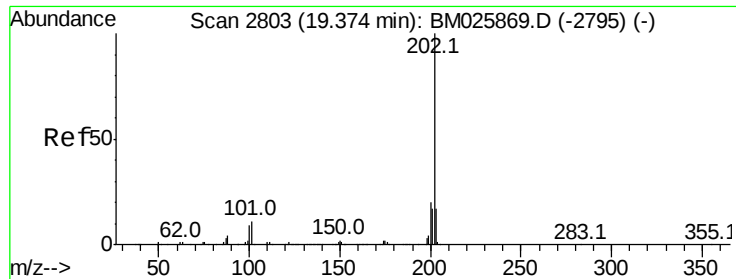
Delta R.T. -0.00 min

Lab File: BM025876.D

Acq: 31 Mar 2020 21:39

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 951909 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 9.6   | 8.2   | 12.4   |
| 100       | 7.6   | 6.5   | 9.7    |





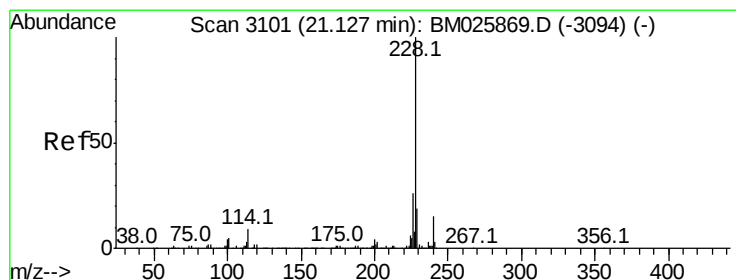
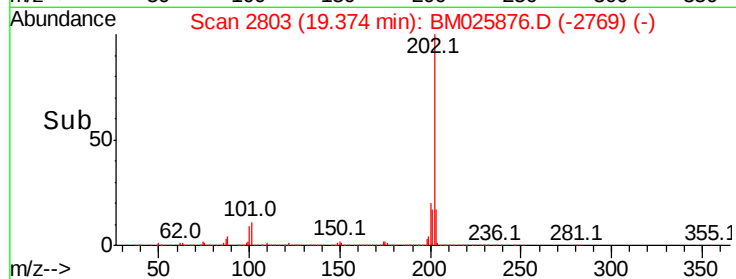
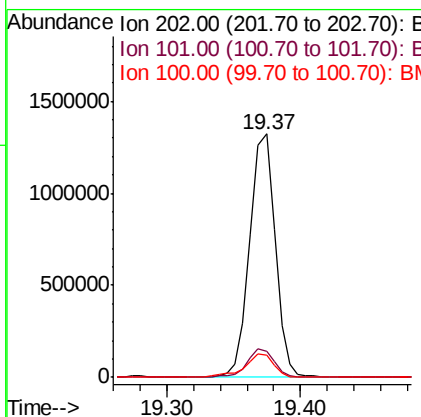
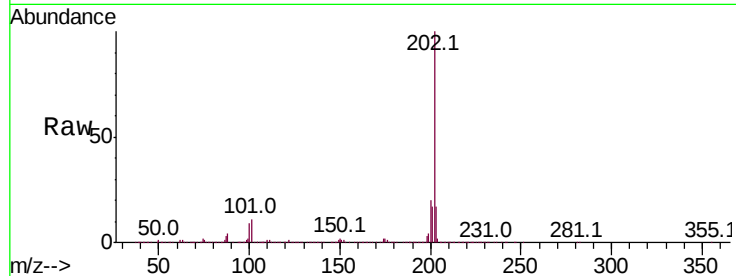
#80  
Pvrene  
Concen: 25.224 ng/ul  
RT: 19.37 min Scan# 2803  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 10.9  | 8.9   | 13.3  |
| 100     | 9.1   | 7.5   | 11.3  |

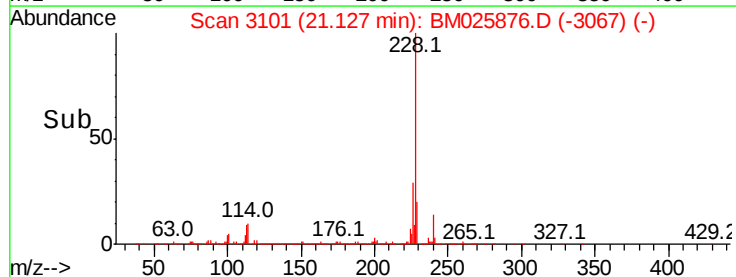
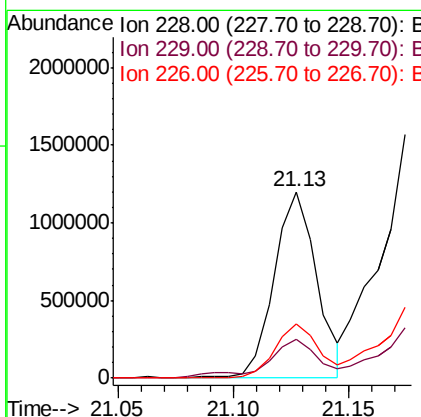
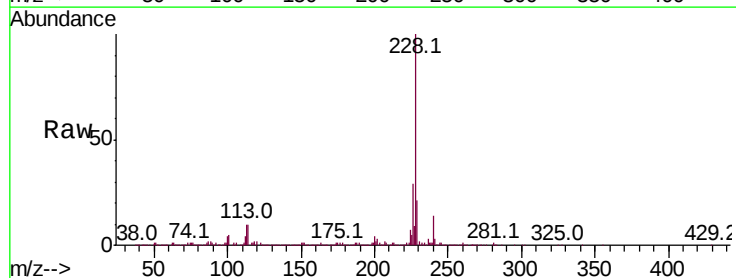
Manual Integrations  
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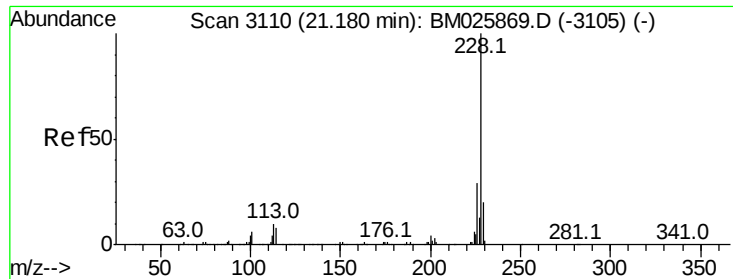
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#83  
Benzo(a)anthracene  
Concen: 22.510 ng/ul  
RT: 21.13 min Scan# 3101  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 20.6  | 15.5  | 23.3  |
| 226     | 28.8  | 21.0  | 31.6  |





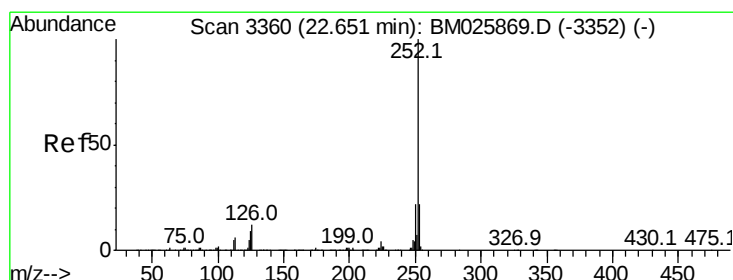
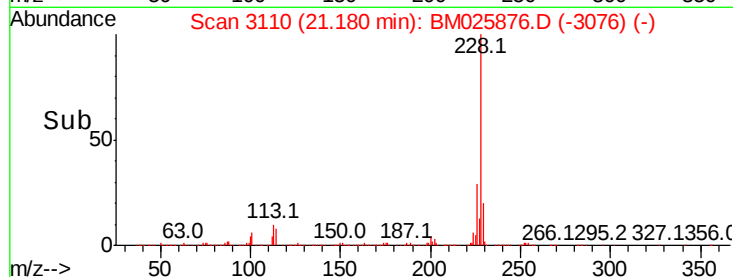
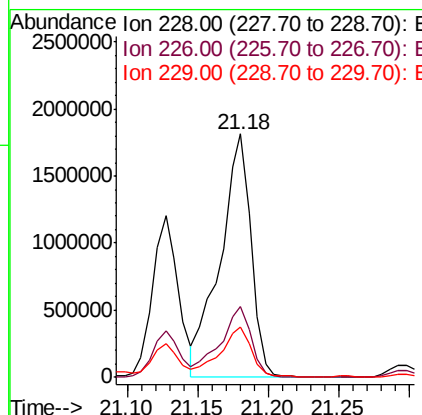
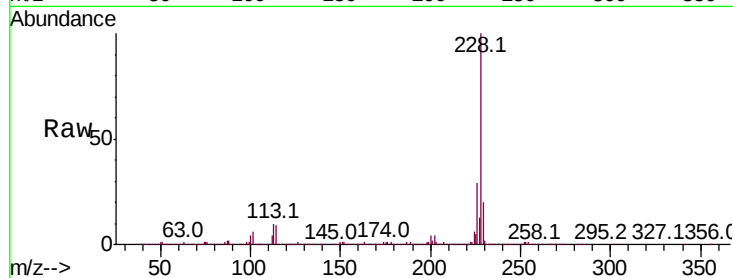
#85  
Chrysene  
Concen: 41.420 ng/ul  
RT: 21.18 min Scan# 3110  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.0  | 23.4  | 35.0  |
| 229     | 20.5  | 15.6  | 23.4  |

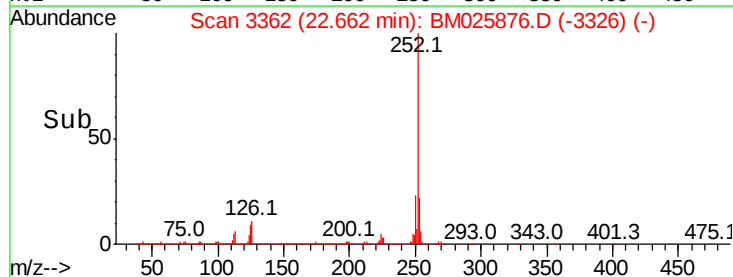
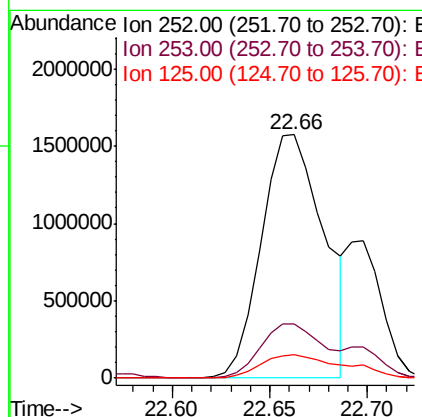
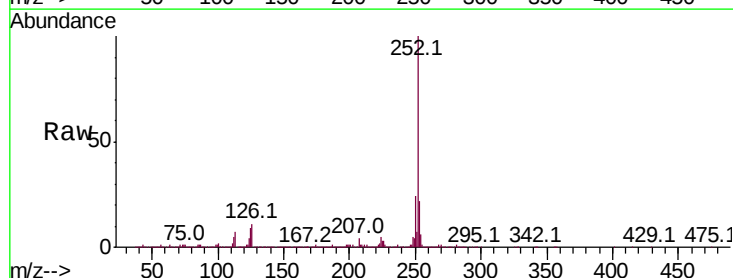
Manual Integrations  
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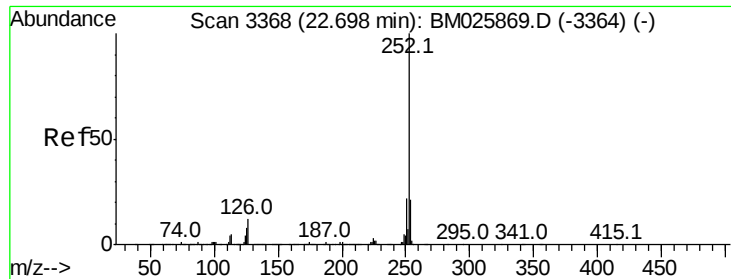
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4/1/2020 11:56:24 AM



#88  
Benzo(b)fluoranthene  
Concen: 48.015 ng/ul  
RT: 22.66 min Scan# 3362  
Delta R.T. 0.01 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 17.5  | 26.3  |
| 125     | 9.4   | 6.7   | 10.1  |





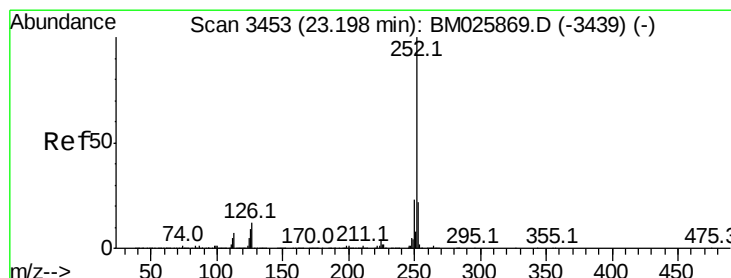
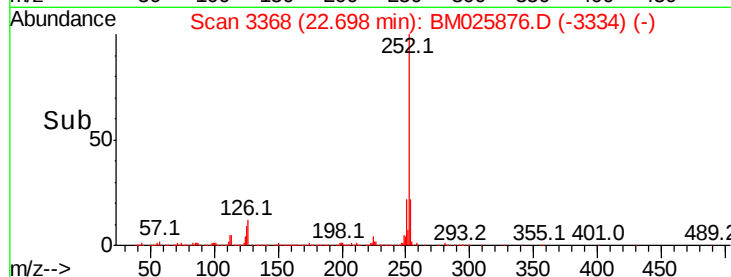
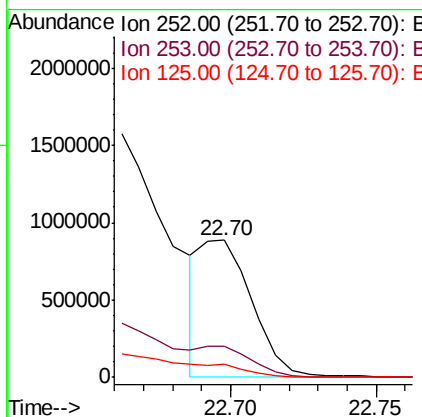
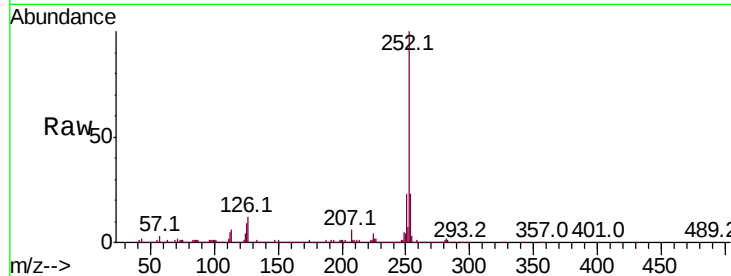
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Benzo(k)fluoranthene  
Concen: 15.047 ng/ul m  
RT: 22.70 min Scan# 3368  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.7  | 26.5  |
| 125     | 9.2   | 6.9   | 10.3  |

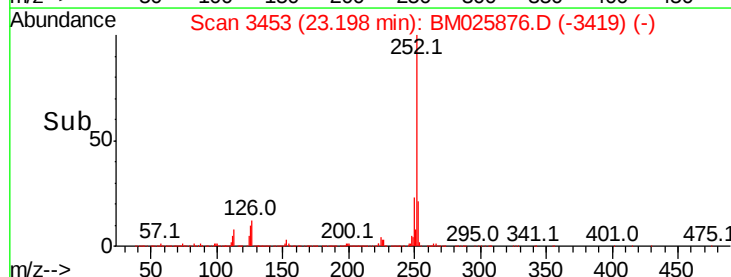
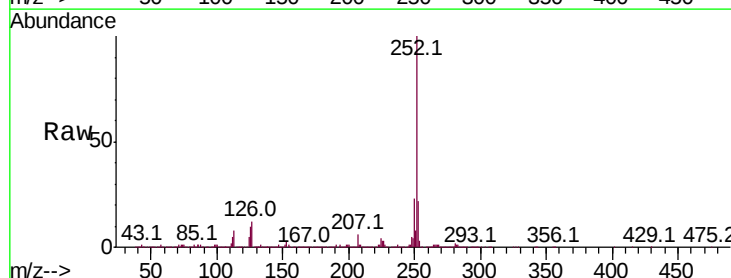
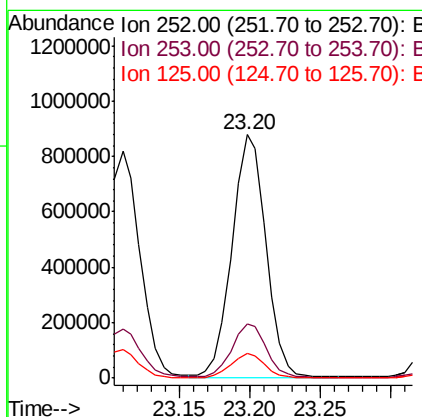
Manual Integrations  
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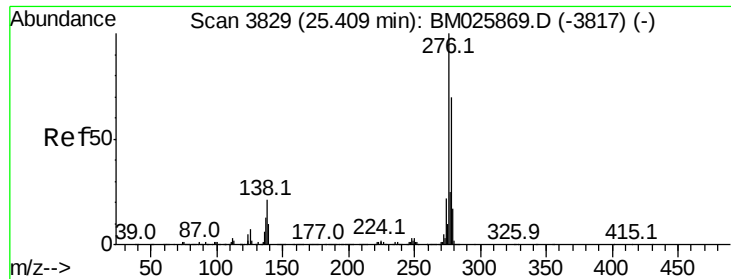
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#91  
Benzo(a)pyrene  
Concen: 22.206 ng/ul  
RT: 23.20 min Scan# 3453  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.0  | 17.0  | 25.6  |
| 125     | 10.1  | 7.1   | 10.7  |





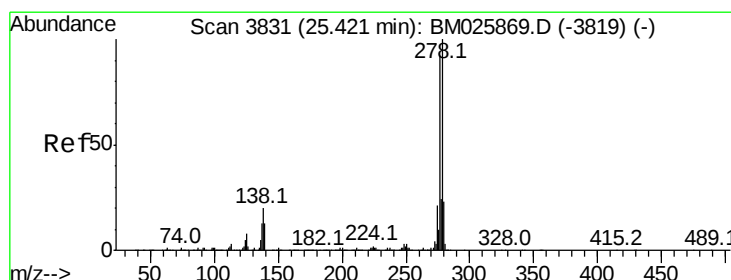
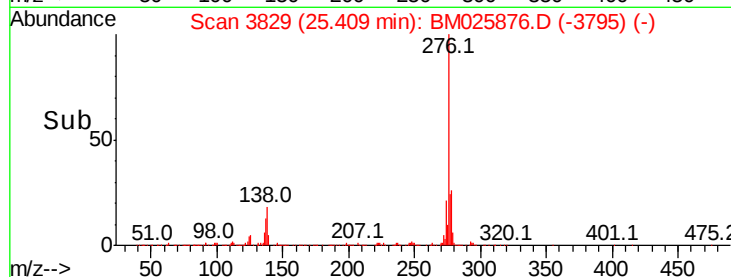
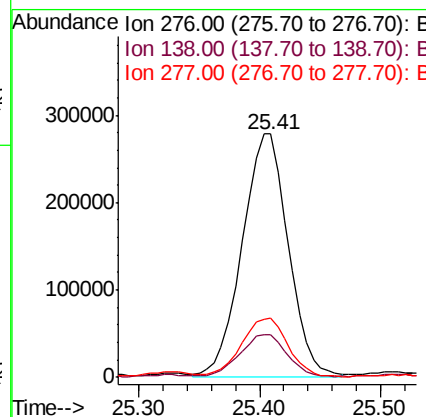
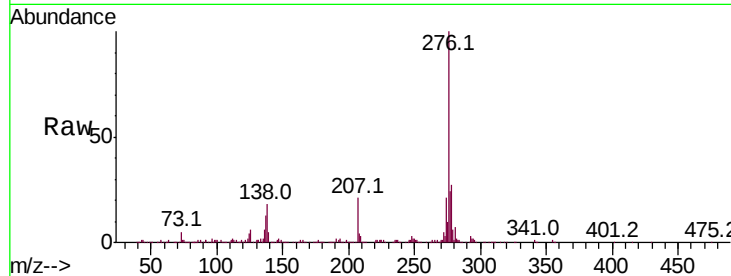
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Indeno(1,2,3-cd)pyrene  
Concen: 8.392 ng/ul  
RT: 25.41 min Scan# 3829  
Delta R.T. -0.00 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

Instrument :  
BNA\_M  
ClientSampleId :  
F3E07

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.6  | 16.5  | 24.7  |
| 277     | 24.4  | 19.7  | 29.5  |

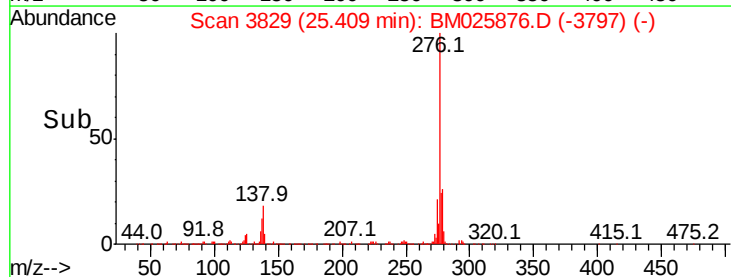
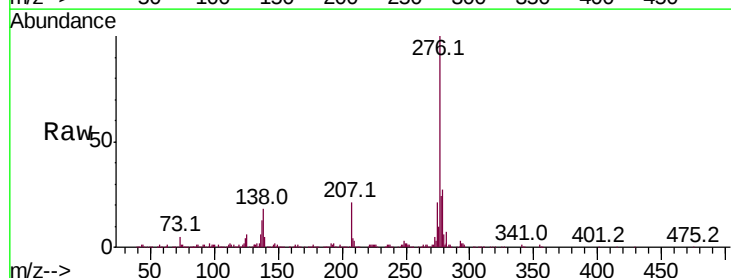
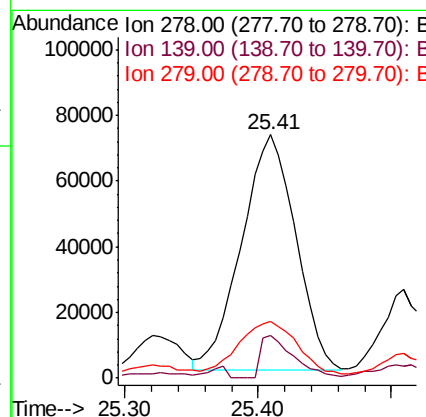
Manual Integrations  
APPROVED

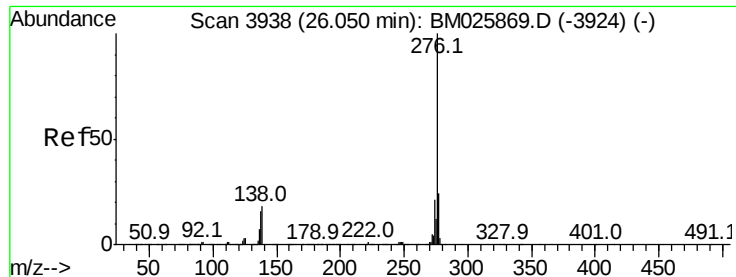
mohammad  
4/1/2020 11:56:24 AM



#93  
Dibenzo(a,h)anthracene  
Concen: 2.722 ng/ul m  
RT: 25.41 min Scan# 3829  
Delta R.T. -0.01 min  
Lab File: BM025876.D  
Acq: 31 Mar 2020 21:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.5  | 10.4  | 15.6# |
| 279     | 23.5  | 18.6  | 28.0  |





#94

Benzo(a,h,i)perylene

Concen: 5.562 ng/ul

RT: 26.05 min Scan# 3938

Delta R.T. -0.00 min

Lab File: BM025876.D

Acq: 31 Mar 2020 21:39

Instrument :

BNA\_M

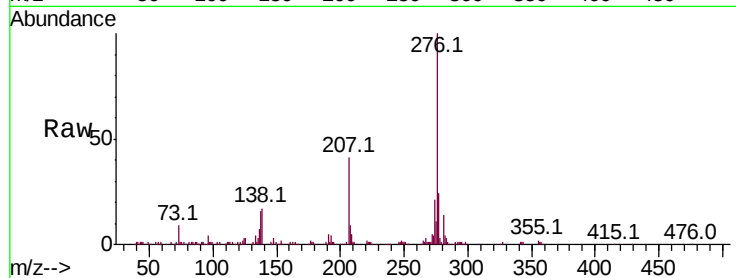
ClientSampleId :

F3E07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 400227 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 17.1  | 13.2  | 19.8   |
| 277       | 23.6  | 19.0  | 28.4   |

Manual Integrations  
APPROVED

mohammad  
4/1/2020 11:56:24 AM



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

