

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\  
 Data File : BM027065.D  
 Acq On : 13 Aug 2020 17:38  
 Operator : JU/CG  
 Sample : L3630-15  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFML1

Manual Integrations  
 APPROVED

Sohil  
 8/14/2020 2:54:12 PM

Quant Time: Aug 13 18:18:04 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM080720MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Aug 13 11:47:07 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 124716   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.41 | 136  | 463136   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 296545   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 630377   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.21 | 240  | 652951   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.41 | 264  | 666952   | 20.00 | ng/ul | 0.00     |

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| System Monitoring Compounds    |       |     |         |       |       |      |
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 10066   | 3.67  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 244461  | 25.21 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 160888  | 24.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.18  | 132 | 188301  | 24.62 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.35  | 113 | 189395  | 25.05 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 89852   | 24.48 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 95517   | 25.11 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.04 | 165 | 203631  | 25.47 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.55 | 131 | 226348  | 24.35 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 622598  | 26.33 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 767904  | 27.25 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 87872   | 22.01 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 538464  | 26.12 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 69461   | 20.17 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.12 | 188 | 825975  | 26.60 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.42 | 212 | 951037  | 29.20 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.27 | 264 | 1040646 | 27.95 | ng/ul | 0.00 |

|                            |       |     |         |        |       |     |
|----------------------------|-------|-----|---------|--------|-------|-----|
| Target Compounds           |       |     |         | Ovalue |       |     |
| 45) Dimethylphthalate      | 13.73 | 163 | 239876  | 9.680  | ng/ul | 99  |
| 48) Acenaphthylene         | 13.99 | 152 | 42607   | 1.487  | ng/ul | 95  |
| 70) Phenanthrene           | 17.06 | 178 | 217168  | 5.746  | ng/ul | 99  |
| 72) Anthracene             | 17.15 | 178 | 39663   | 1.031  | ng/ul | 97  |
| 77) Fluoranthene           | 19.08 | 202 | 470742  | 10.272 | ng/ul | 100 |
| 80) Pyrene                 | 19.44 | 202 | 538394  | 12.148 | ng/ul | 100 |
| 83) Benzo(a)anthracene     | 21.20 | 228 | 206434m | 4.696  | ng/ul |     |
| 85) Chrysene               | 21.25 | 228 | 251381  | 5.826  | ng/ul | 98  |
| 88) Benzo(b)fluoranthene   | 22.76 | 252 | 346878  | 7.490  | ng/ul | 98  |
| 89) Benzo(k)fluoranthene   | 22.80 | 252 | 104464m | 2.276  | ng/ul |     |
| 91) Benzo(a)pyrene         | 23.31 | 252 | 234988  | 5.575  | ng/ul | 98  |
| 92) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 189600  | 3.491  | ng/ul | 97  |
| 94) Benzo(g,h,i)perylene   | 26.27 | 276 | 149732  | 3.338  | ng/ul | 99  |

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

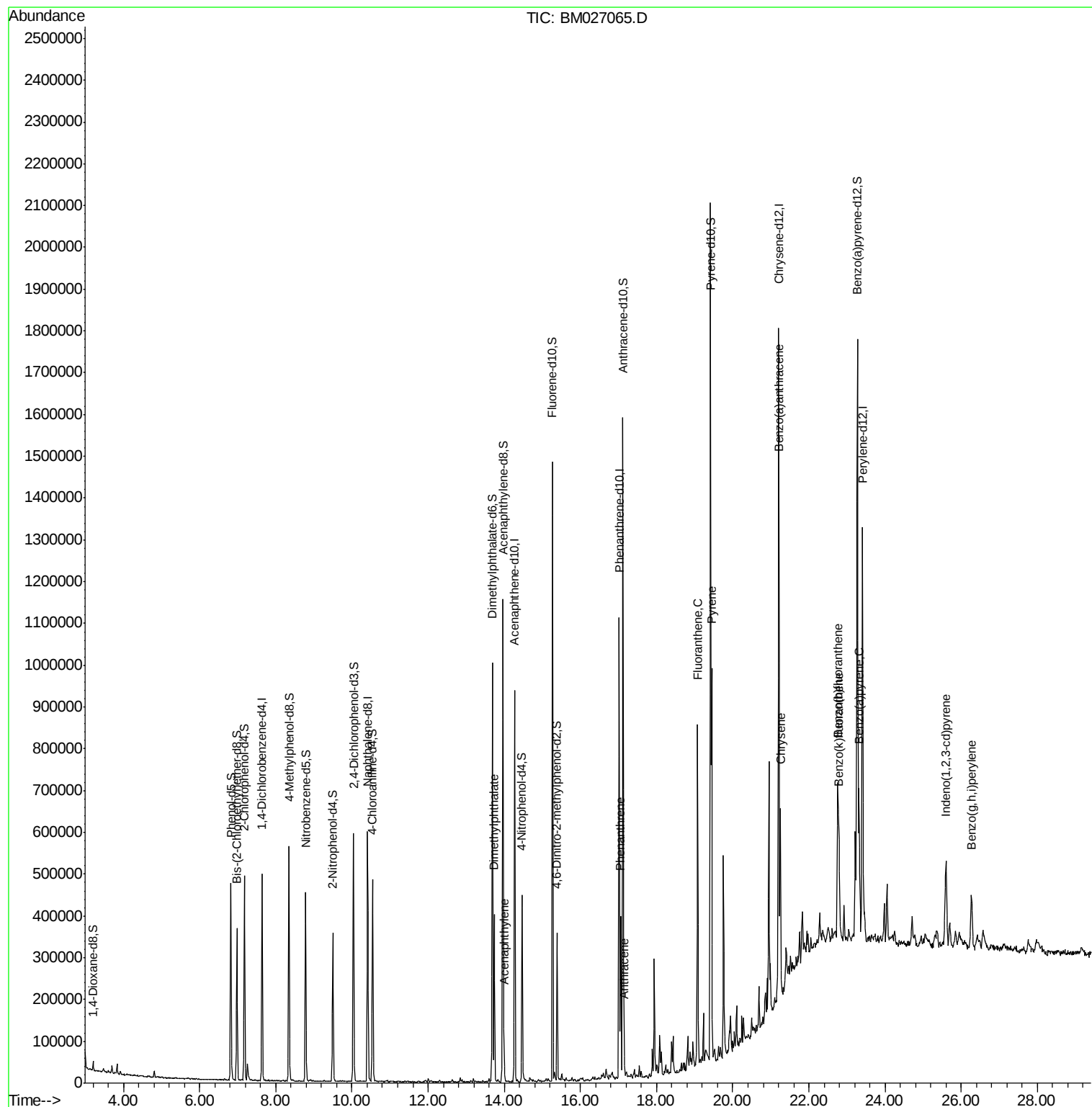
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\  
Data File : BM027065.D  
Acq On : 13 Aug 2020 17:38  
Operator : JU/CG  
Sample : L3630-15  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

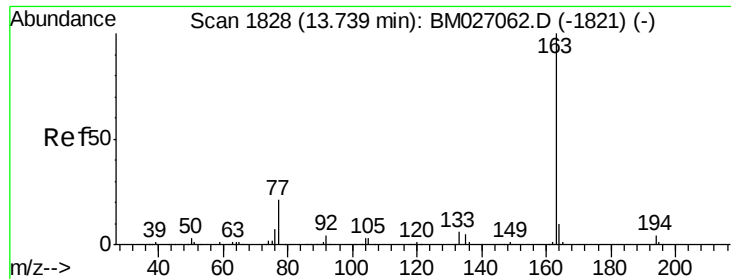
Instrument :  
BNA\_M  
ClientSampleId :  
BFML1

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Quant Time: Aug 13 18:18:04 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM080720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Thu Aug 13 11:47:07 2020  
Response via : Initial Calibration





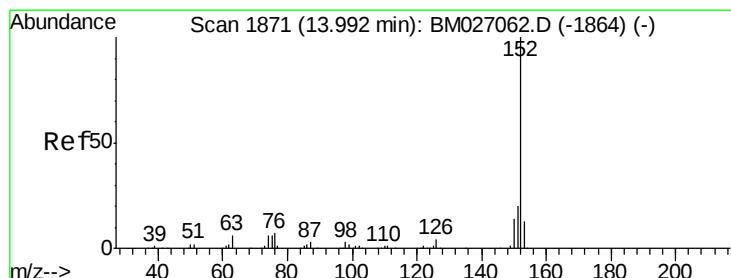
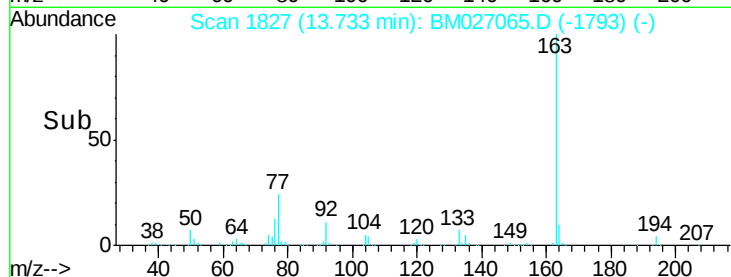
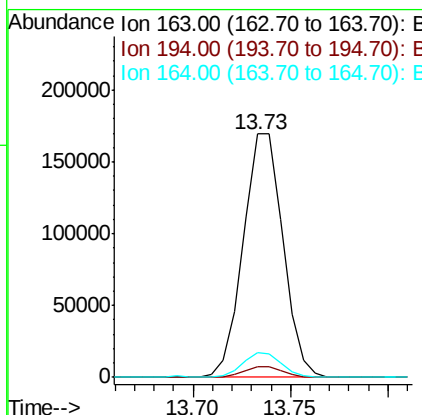
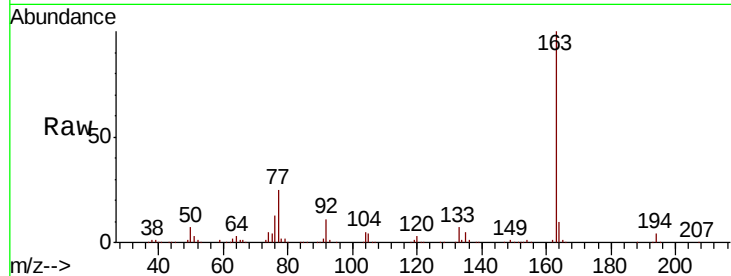
#45  
Dimethylphthalate  
Concen: 9.680 ng/ul  
RT: 13.73 min Scan# 1827  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

Instrument :  
BNA\_M  
ClientSampled :  
BFML1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 239876 |       |       |
| 194     | 4.2   |        | 3.2   | 4.8   |
| 164     | 10.0  |        | 8.2   | 12.2  |

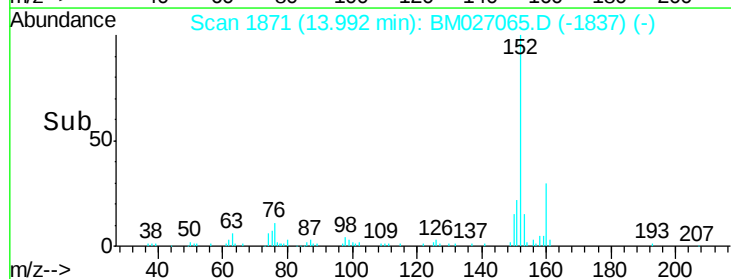
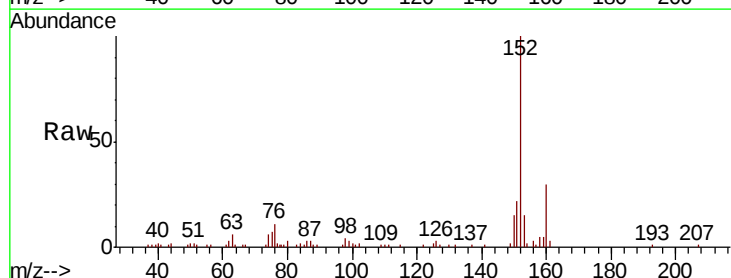
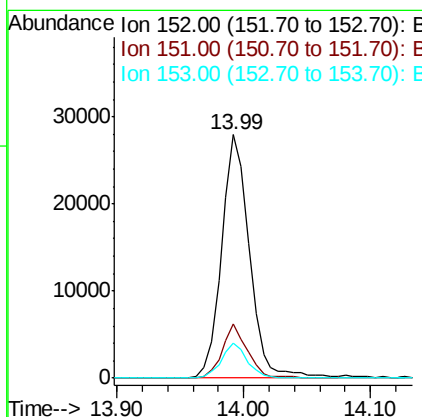
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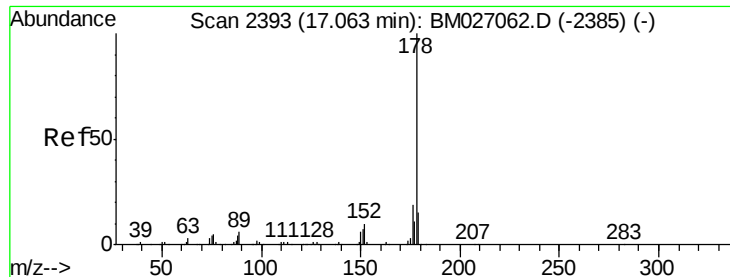
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#48  
Acenaphthylene  
Concen: 1.487 ng/ul  
RT: 13.99 min Scan# 1871  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 152     | 100   | 42607 |       |       |
| 151     | 22.1  |       | 15.9  | 23.9  |
| 153     | 14.5  |       | 9.8   | 14.8  |





#70

Phenanthrene

Concen: 5.746 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM027065.D

Acq: 13 Aug 2020 17:38

Instrument :

BNA\_M

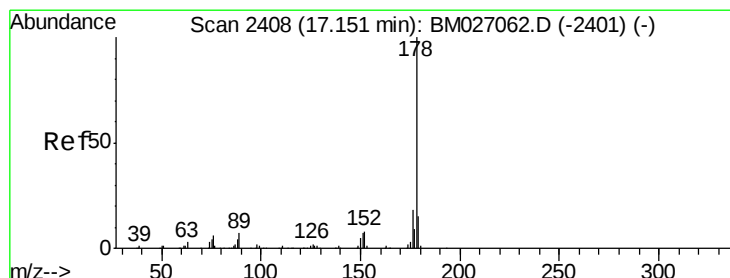
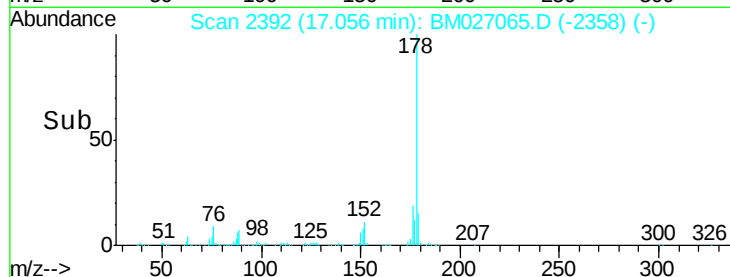
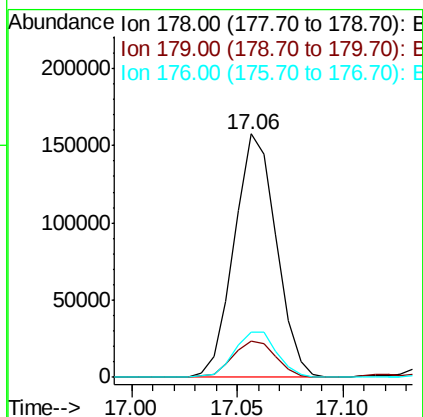
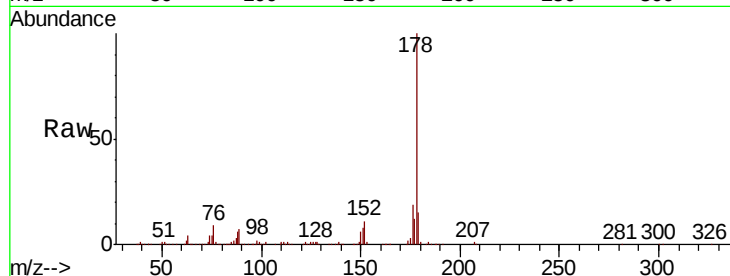
ClientSampleId :

BFML1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 217168 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 179       | 15.1  | 11.9  | 17.9   |
| 176       | 18.7  | 14.6  | 22.0   |

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#72

Anthracene

Concen: 1.031 ng/ul

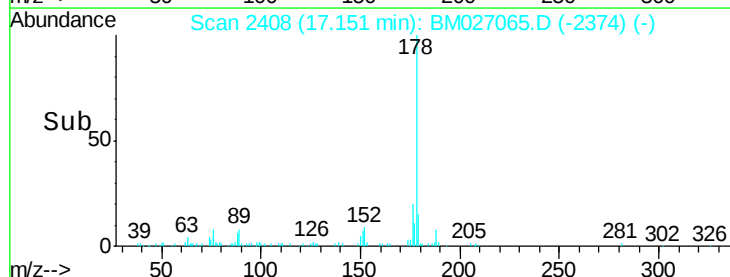
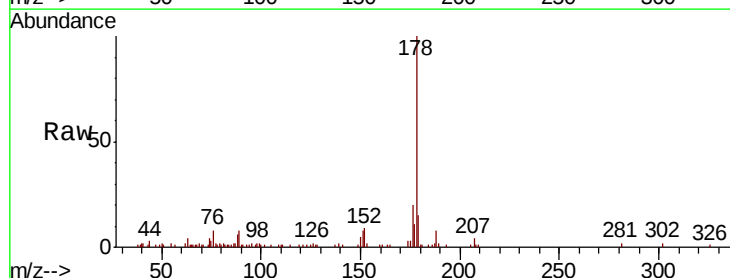
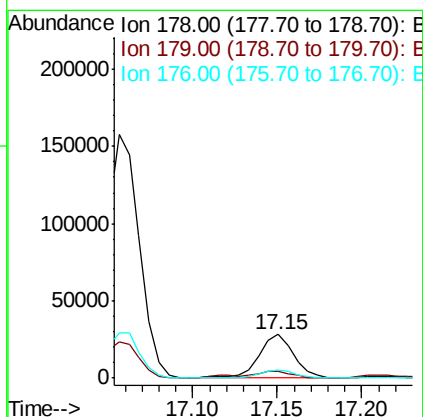
RT: 17.15 min Scan# 2408

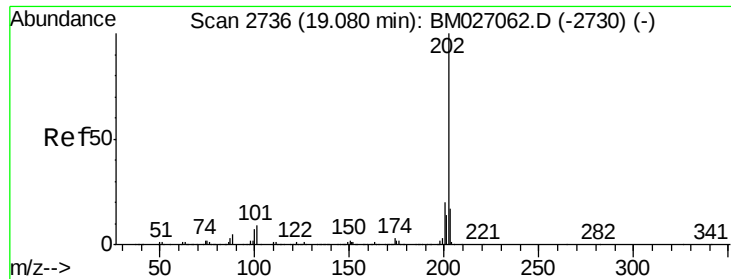
Delta R.T. -0.00 min

Lab File: BM027065.D

Acq: 13 Aug 2020 17:38

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 178   | Resp: | 39663 |
| Ion Ratio | Lower | Upper |       |
| 178       | 100   |       |       |
| 179       | 15.2  | 12.0  | 18.0  |
| 176       | 20.0  | 14.3  | 21.5  |





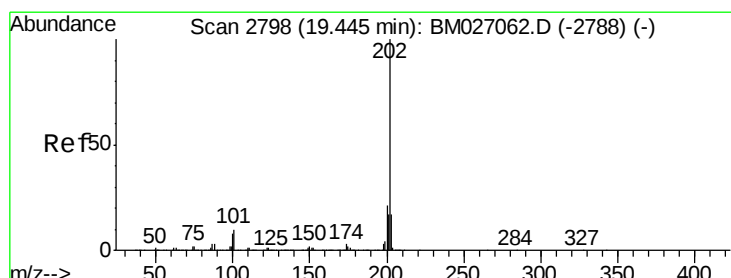
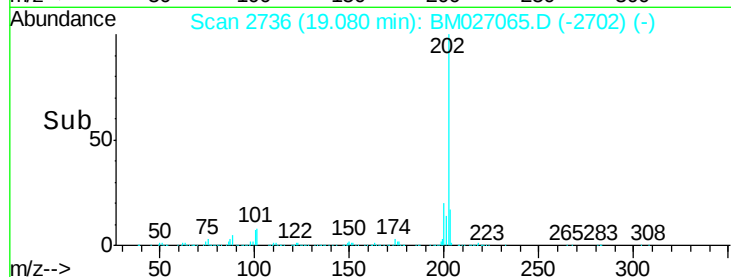
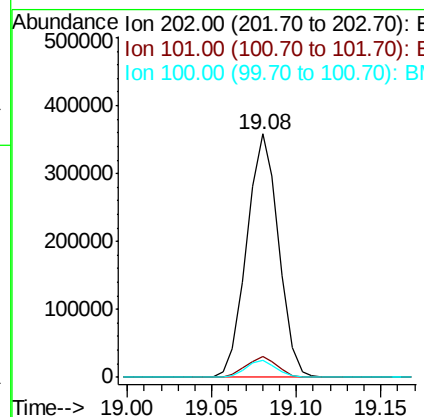
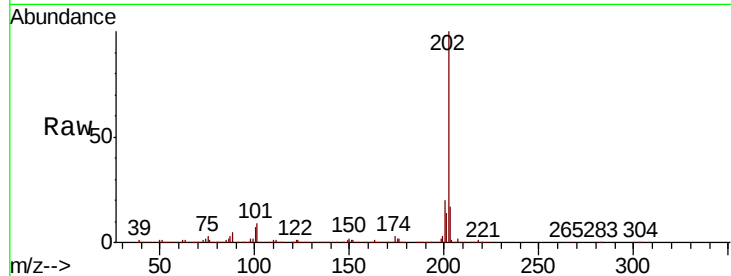
#77  
Fluoranthene  
Concen: 10.272 ng/ul  
RT: 19.08 min Scan# 2736  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

Instrument :  
BNA\_M  
ClientSampleId :  
BFML1

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 470742 |       |       |
| 101     | 8.6   | 6.7    | 10.1  |       |
| 100     | 6.8   | 5.4    | 8.2   |       |

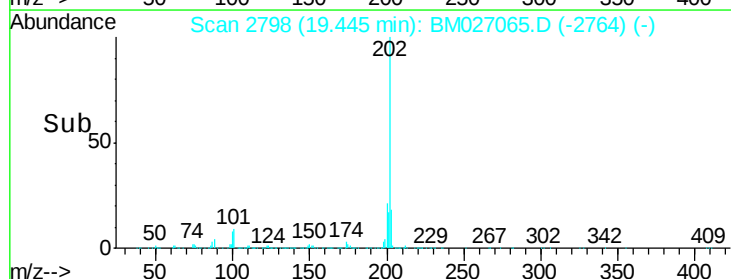
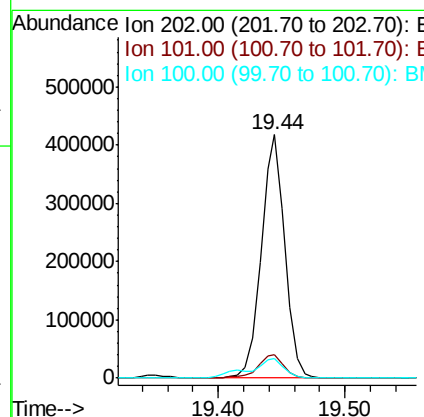
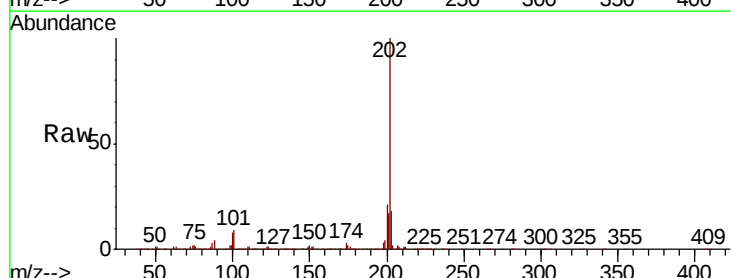
Manual Integrations  
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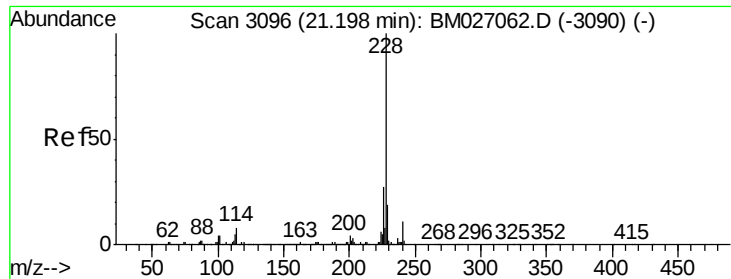
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#80  
Pyrene  
Concen: 12.148 ng/ul  
RT: 19.44 min Scan# 2798  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 538394 |       |       |
| 101     | 9.5   | 7.6    | 11.4  |       |
| 100     | 8.0   | 6.3    | 9.5   |       |





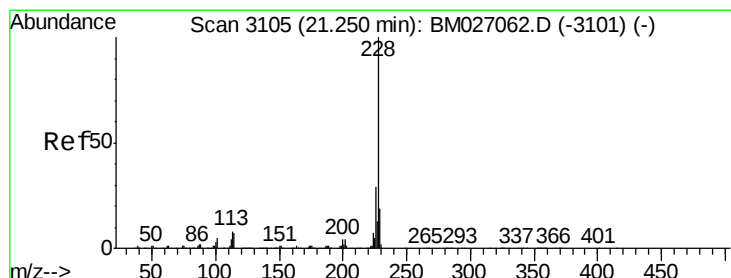
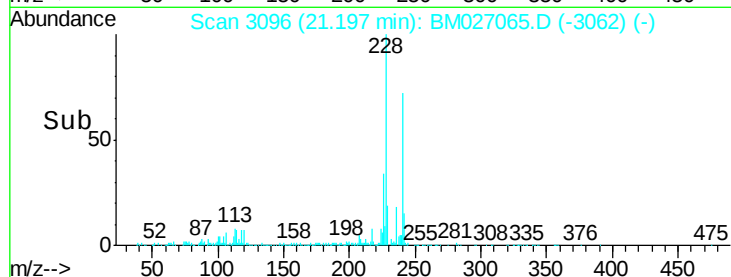
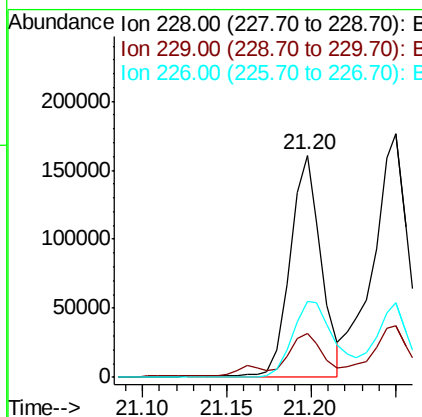
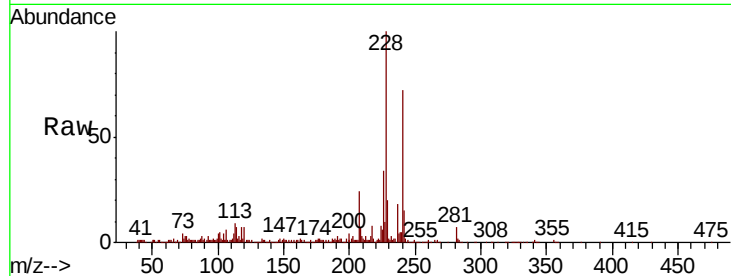
#83  
Benzo(a)anthracene  
Concen: 4.696 ng/ul m  
RT: 21.20 min Scan# 3096  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

Instrument :  
BNA\_M  
ClientSampleId :  
BFML1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 229     | 19.8  | 15.8  | 23.6  |
| 226     | 34.4  | 21.2  | 31.8  |

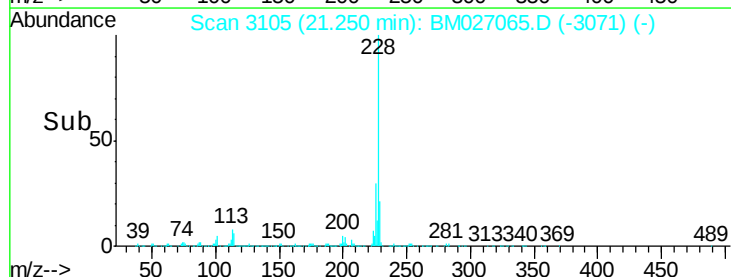
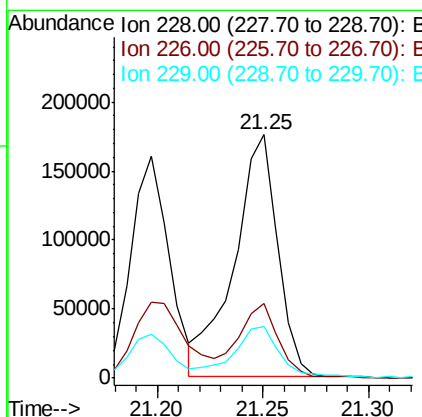
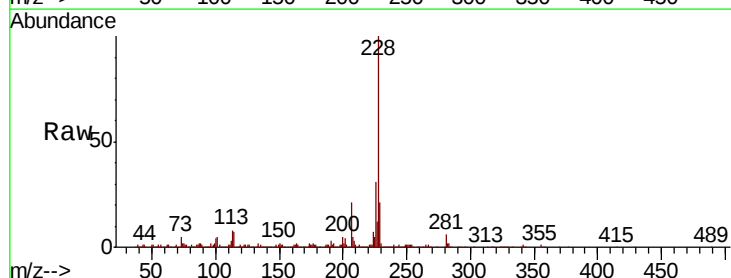
Manual Integrations  
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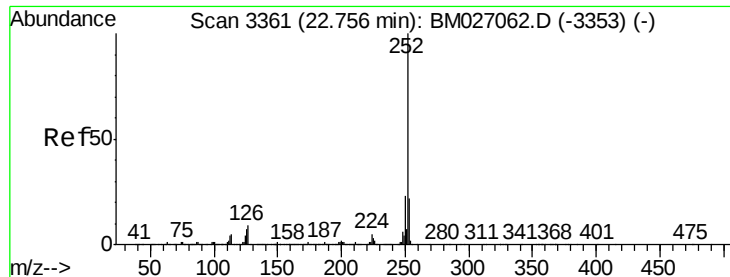
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#85  
Chrysene  
Concen: 5.826 ng/ul  
RT: 21.25 min Scan# 3105  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.5  | 23.8  | 35.6  |
| 229     | 21.1  | 15.8  | 23.8  |





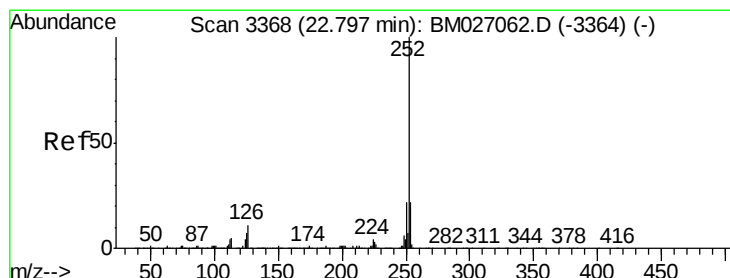
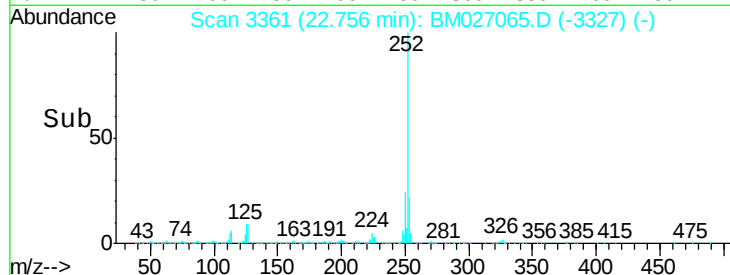
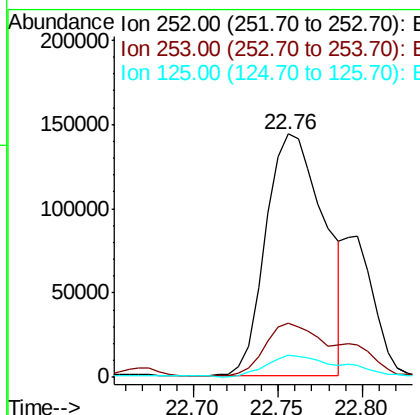
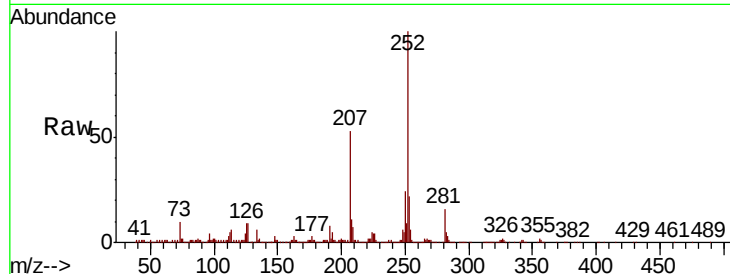
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Benzo(b)fluoranthene  
Concen: 7.490 ng/ul  
RT: 22.76 min Scan# 3361  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

Instrument :  
BNA\_M  
ClientSampleId :  
BFML1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.6  | 26.4  |
| 125     | 8.9   | 6.0   | 9.0   |

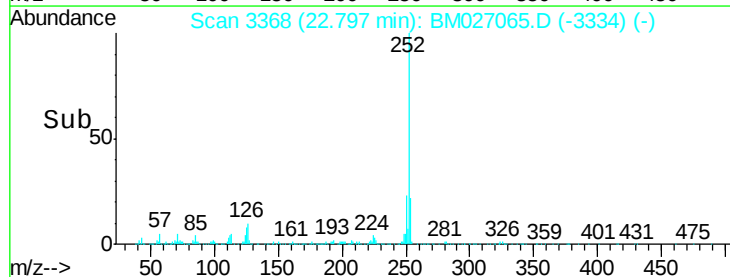
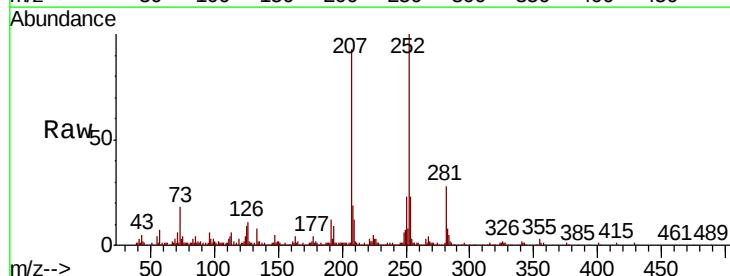
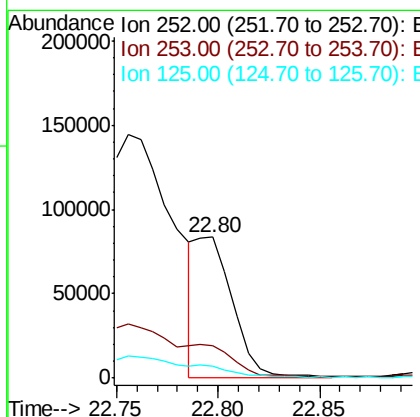
Manual Integrations  
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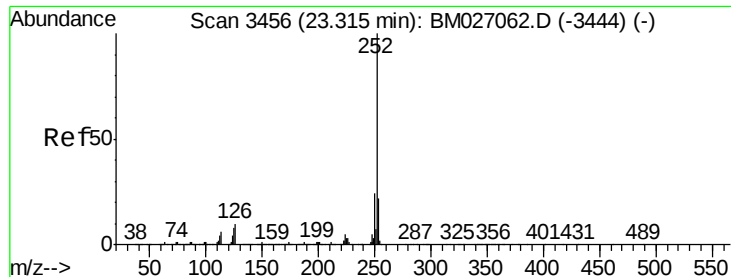
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#89  
Benzo(k)fluoranthene  
Concen: 2.276 ng/ul m  
RT: 22.80 min Scan# 3368  
Delta R.T. -0.00 min  
Lab File: BM027065.D  
Acq: 13 Aug 2020 17:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 17.2  | 25.8  |
| 125     | 8.7   | 5.5   | 8.3#  |





#91

Benzo(a)pyrene

Concen: 5.575 ng/ul

RT: 23.31 min Scan# 3456

Delta R.T. -0.00 min

Lab File: BM027065.D

Acq: 13 Aug 2020 17:38

Instrument :

BNA\_M

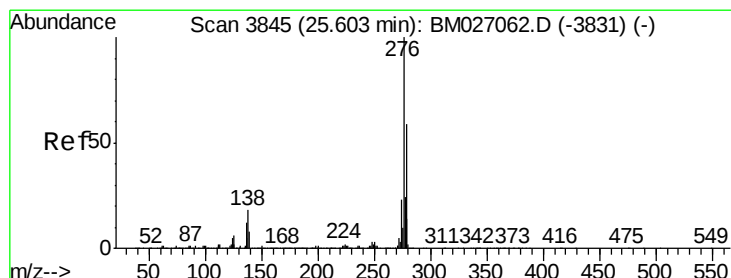
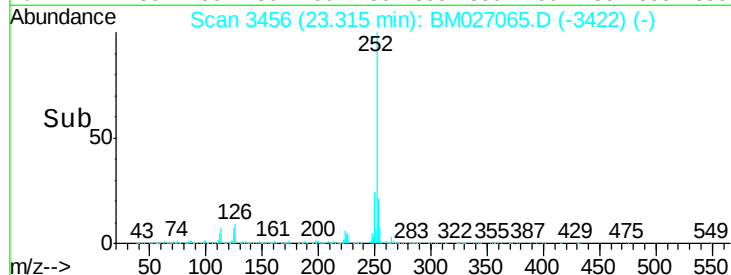
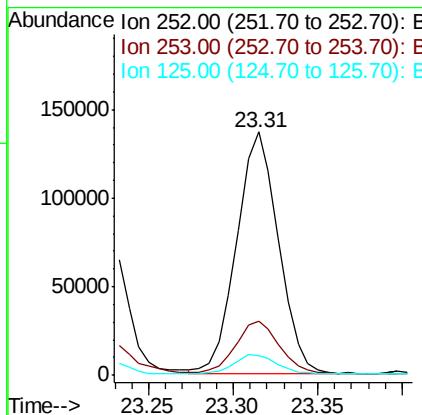
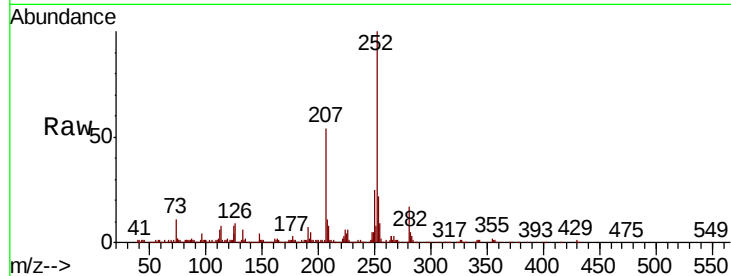
ClientSampleId :

BFML1

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 234988 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 17.0  | 25.4   |
| 125       | 7.8   | 5.8   | 8.8    |

Manual Integrations  
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#92

Indeno(1,2,3-cd)pyrene

Concen: 3.491 ng/ul

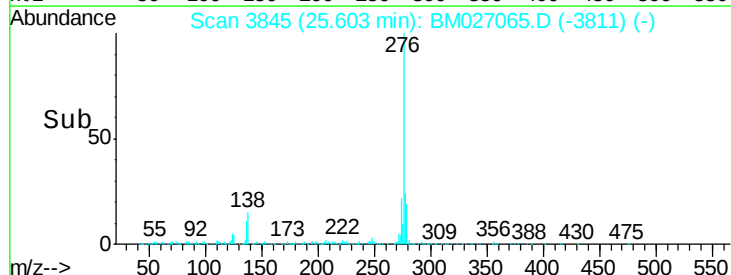
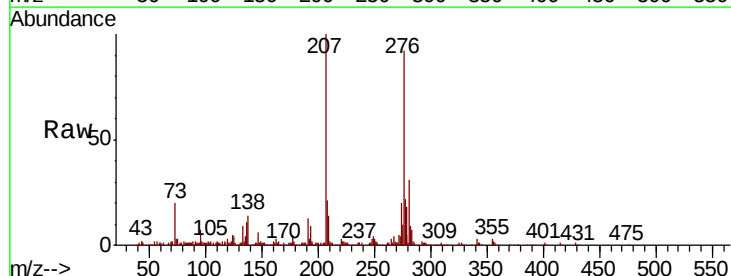
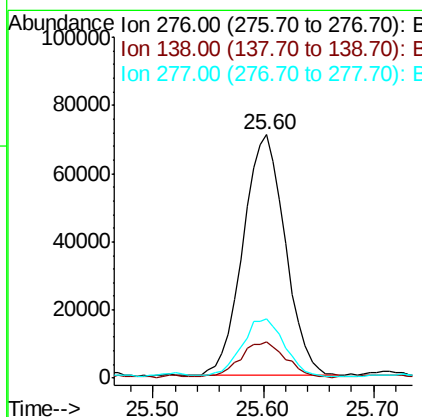
RT: 25.60 min Scan# 3845

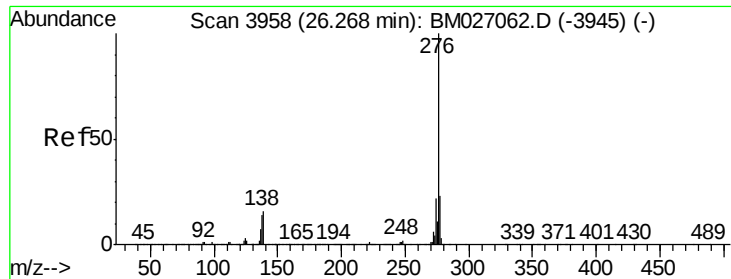
Delta R.T. -0.00 min

Lab File: BM027065.D

Acq: 13 Aug 2020 17:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 189600 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 14.7  | 13.9  | 20.9   |
| 277       | 24.3  | 19.8  | 29.8   |





#94  
 Benzo(a,h,i)perylene  
 Concen: 3.338 ng/ul  
 RT: 26.27 min Scan# 3958  
 Delta R.T. -0.01 min  
 Lab File: BM027065.D  
 Acq: 13 Aug 2020 17:38

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFML1

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.1  | 12.3  | 18.5  |
| 277     | 23.5  | 19.0  | 28.6  |

Manual Integrations  
 APPROVED

Sohil  
 8/14/2020 2:54:12 PM

