

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\  
 Data File : BM023733.D  
 Acq On : 15 Nov 2019 01:42  
 Operator : JU  
 Sample : K5700-08  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEGW9

Manual Integrations  
 APPROVED

mohammad  
 11/15/2019 5:59:26 PM

Quant Time: Nov 15 08:00:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 15 07:53:56 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.53  | 152  | 397934   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 1589607  | 20.00 | ng/ul | 0.01     |
| 36) Acenaphthene-d10      | 14.19 | 164  | 988692   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.94 | 188  | 2011457  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.14 | 240  | 2035795  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.29 | 264  | 2420303  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.06  | 96  | 50427   | 5.22  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.72  | 99  | 206862  | 5.70  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 594372  | 28.52 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.07  | 132 | 654814  | 24.92 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 396424  | 13.70 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 438080  | 38.50 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.40  | 143 | 474329  | 39.66 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.94  | 165 | 815098  | 29.89 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.46 | 131 | 219676  | 7.34  | ng/ul | 0.02 |
| 44) Dimethylphthalate-d6       | 13.61 | 166 | 2575277 | 33.40 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.87 | 160 | 2983228 | 33.90 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.42 | 143 | 77241   | 5.87  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.19 | 176 | 2224509 | 32.67 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.32 | 200 | 409350  | 35.18 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.04 | 188 | 3400573 | 35.64 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.34 | 212 | 3725972 | 35.10 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.16 | 264 | 4539940 | 35.65 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |           |         | Ovalue    |
|-------------------------|-------|-----|-----------|---------|-----------|
| 28) Naphthalene         | 10.35 | 128 | 34941943m | 418.215 | ng/ul     |
| 34) 2-Methylnaphthalene | 11.98 | 142 | 2809998   | 43.966  | ng/ul 98  |
| 41) 1,1'-Biphenyl       | 13.02 | 154 | 7292966   | 95.620  | ng/ul 99  |
| 45) Dimethylphthalate   | 13.66 | 163 | 126442    | 1.673   | ng/ul 100 |
| 48) Acenaphthylene      | 13.90 | 152 | 249444    | 2.816   | ng/ul# 73 |
| 50) Acenaphthene        | 14.26 | 153 | 13507561  | 214.877 | ng/ul 96  |
| 54) Dibenzofuran        | 14.59 | 168 | 15243800  | 163.814 | ng/ul# 85 |
| 59) Fluorene            | 15.24 | 166 | 7632647   | 101.101 | ng/ul 99  |
| 70) Phenanthrene        | 16.99 | 178 | 9042156   | 81.612  | ng/ul 99  |
| 72) Anthracene          | 17.07 | 178 | 989516    | 8.882   | ng/ul 99  |
| 75) Carbazole           | 17.35 | 167 | 16163265  | 174.045 | ng/ul# 86 |
| 77) Fluoranthene        | 19.00 | 202 | 1155335   | 9.733   | ng/ul 98  |
| 80) Pyrene              | 19.37 | 202 | 595516    | 4.526   | ng/ul 99  |

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

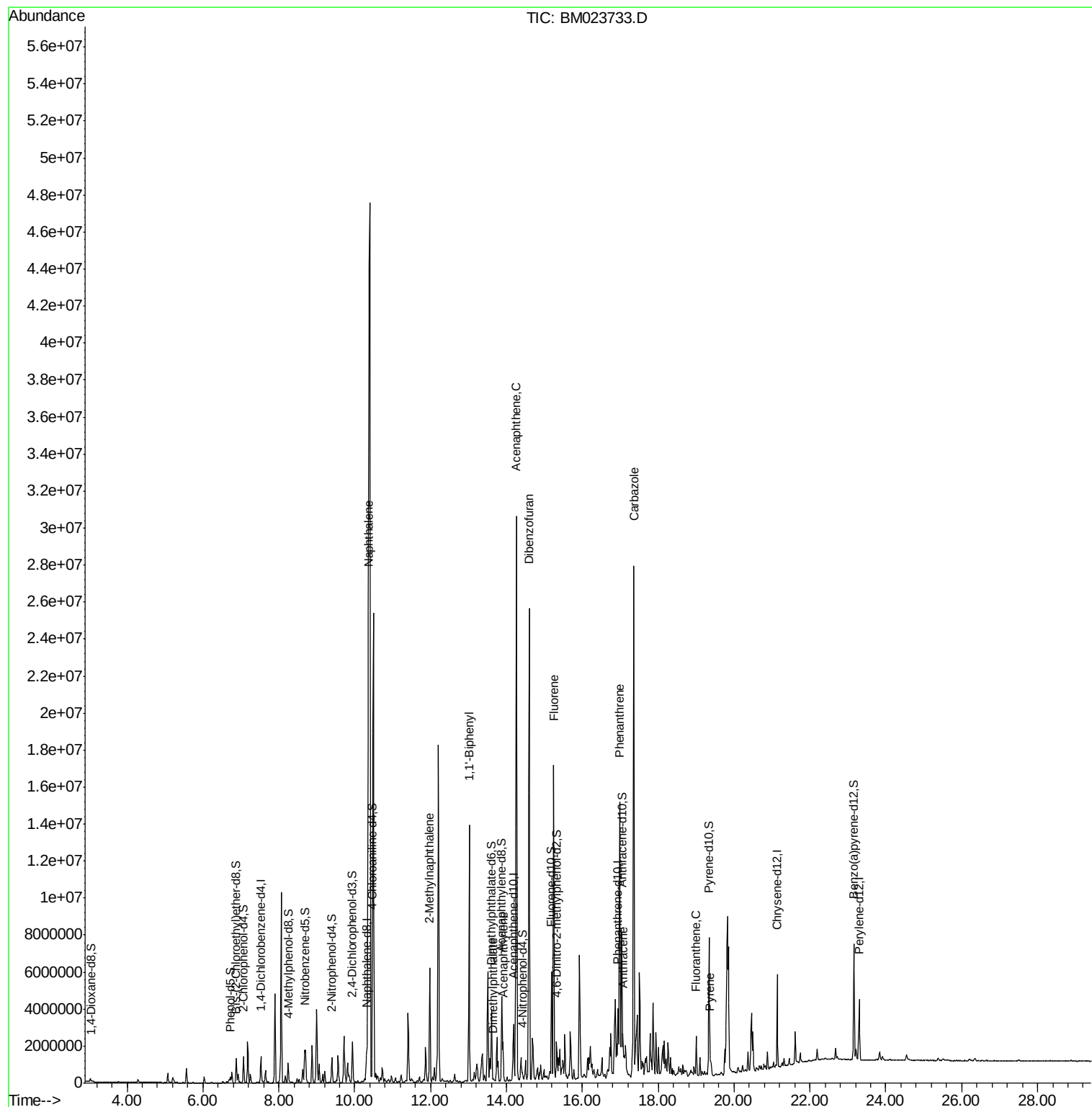
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\  
Data File : BM023733.D  
Acq On : 15 Nov 2019 01:42  
Operator : JU  
Sample : K5700-08  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

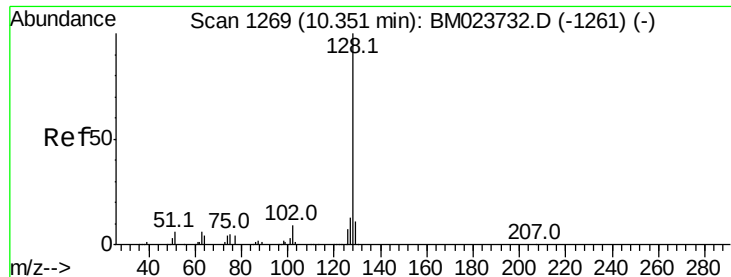
Instrument :  
BNA\_M  
ClientSampleId :  
BEGW9

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Quant Time: Nov 15 08:00:44 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM11119MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 15 07:53:56 2019  
Response via : Initial Calibration





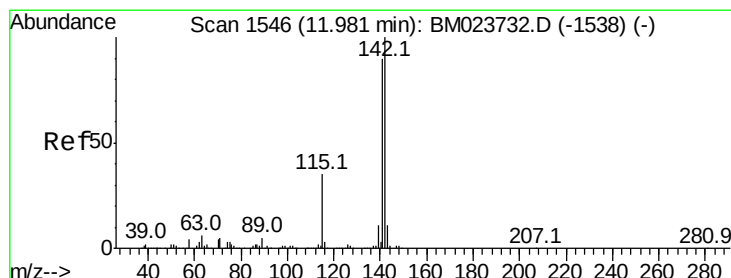
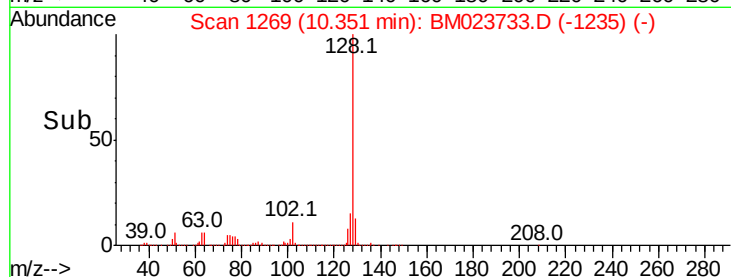
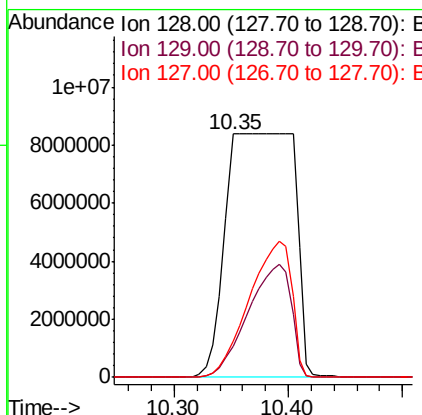
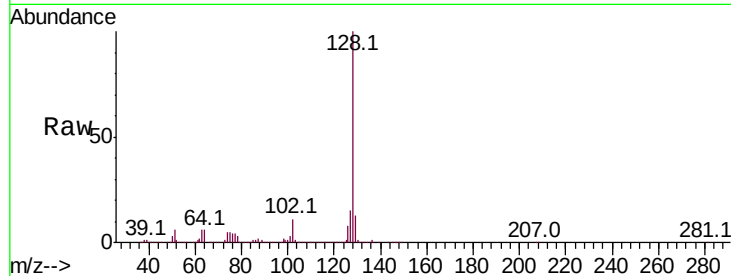
#28  
Naphthalene  
Concen: 418.215 ng/ul m  
RT: 10.35 min Scan# 1269  
Delta R.T. -0.00 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

Instrument :  
BNA\_M  
ClientSampleId :  
BEGW9

Tot Ion:128 Resp:34941943  
Ion Ratio Lower Upper  
128 100  
129 13.0 8.7 13.1  
127 14.7 10.6 16.0

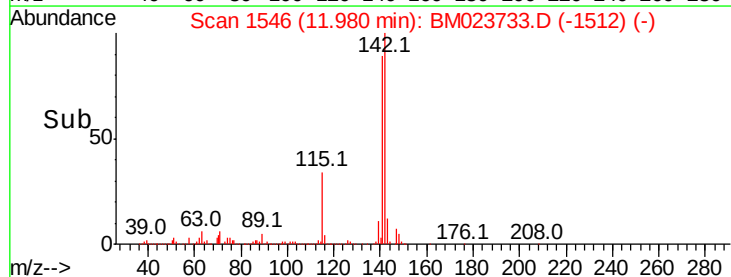
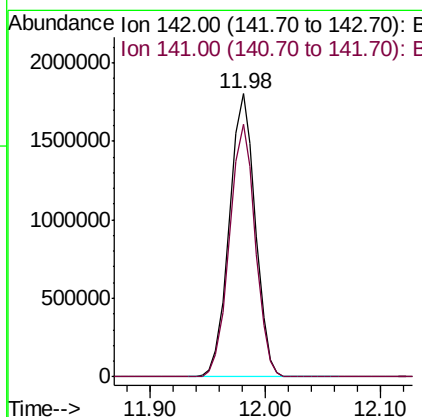
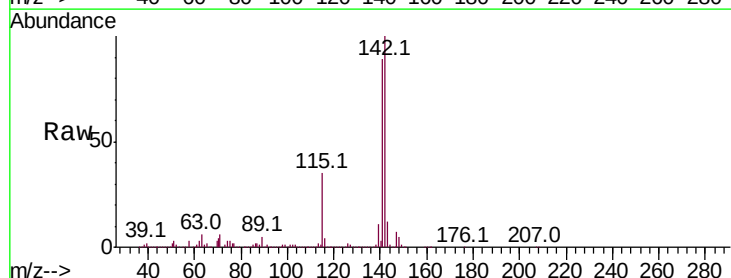
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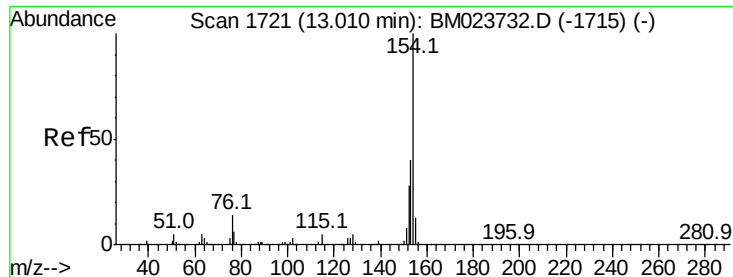
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#34  
2-Methylnaphthalene  
Concen: 43.966 ng/ul  
RT: 11.98 min Scan# 1546  
Delta R.T. -0.00 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

Tgt Ion:142 Resp: 2809998  
Ion Ratio Lower Upper  
142 100  
141 89.2 69.8 104.8





#41

1,1'-Biphenyl

Concen: 95.620 ng/ul

RT: 13.02 min Scan# 1722

Delta R.T. 0.01 min

Lab File: BM023733.D

Acq: 15 Nov 2019 01:42

Instrument :

BNA\_M

ClientSampleId :

BEGW9

Tot Ion:154 Resp: 7292966

Ion Ratio Lower Upper

154 100

153 41.3 32.3 48.5

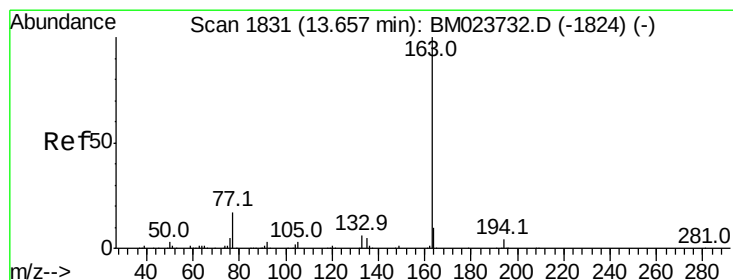
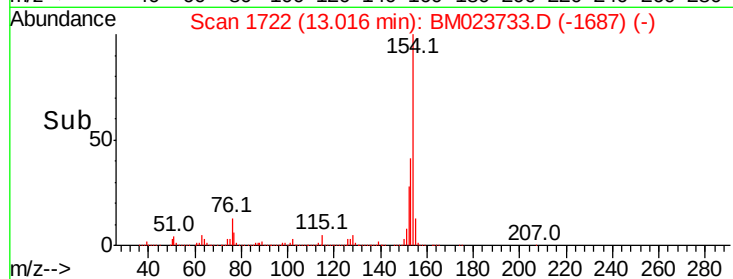
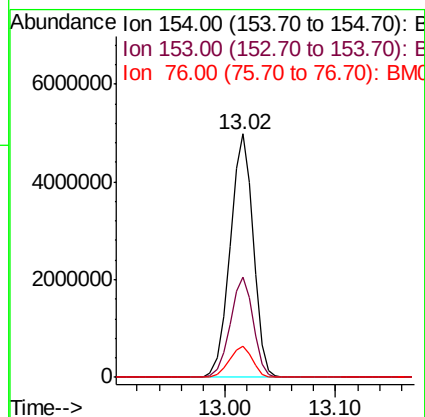
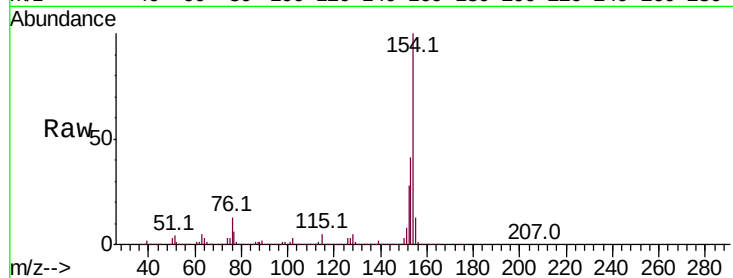
76 12.7 10.6 15.8

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#45

Dimethylphthalate

Concen: 1.673 ng/ul

RT: 13.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BM023733.D

Acq: 15 Nov 2019 01:42

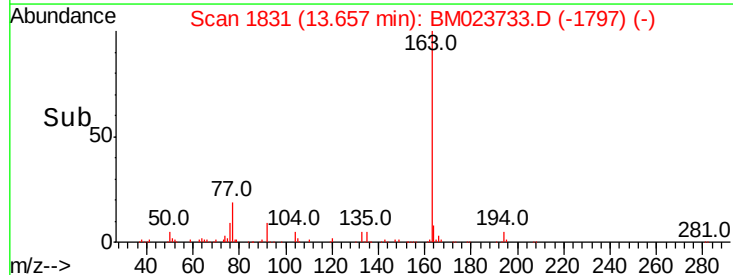
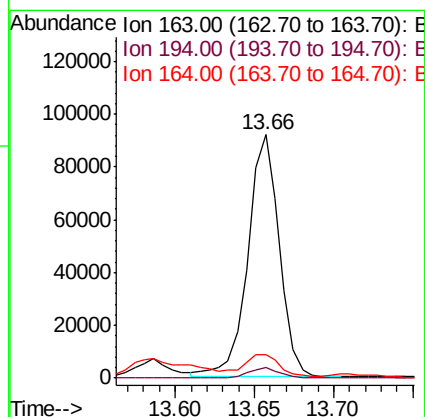
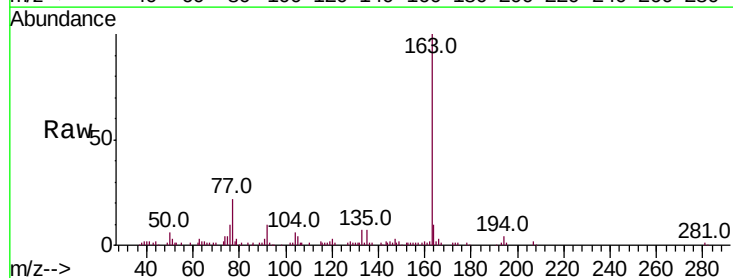
Tgt Ion:163 Resp: 126442

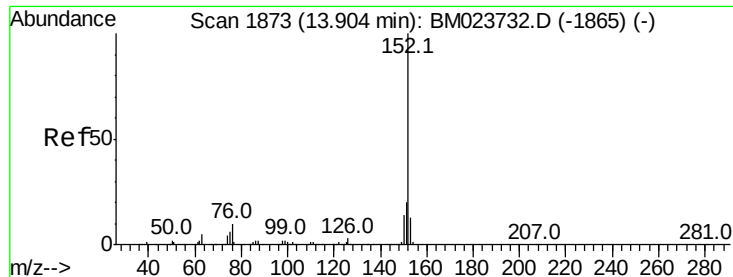
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

164 9.8 8.0 12.0





#48

Acenaphthylene

Concen: 2.816 ng/ul

RT: 13.90 min Scan# 1873

Delta R.T. -0.00 min

Lab File: BM023733.D

Acq: 15 Nov 2019 01:42

Instrument :

BNA\_M

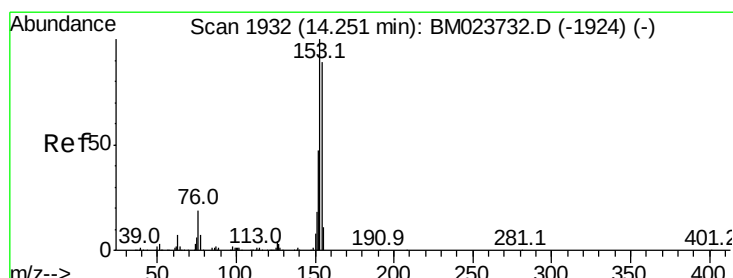
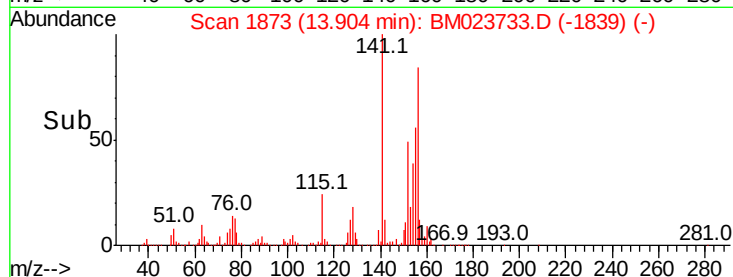
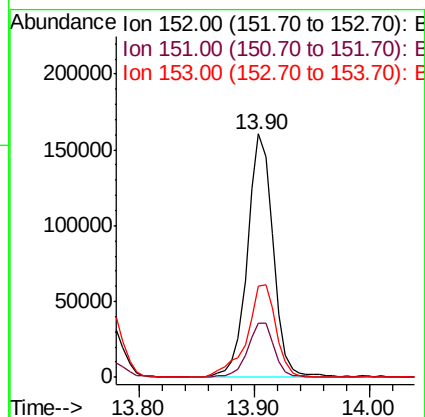
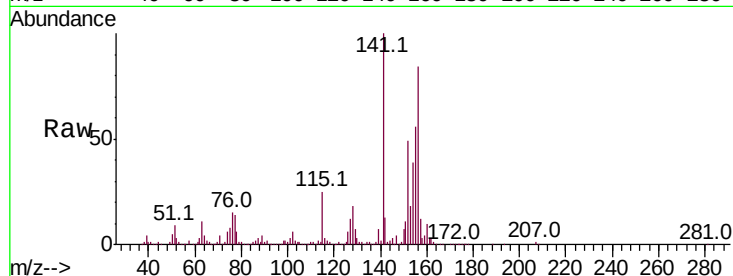
ClientSampleId :

BEGW9

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 249444 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 22.4  | 16.1  | 24.1   |
| 153       | 37.4  | 10.4  | 15.6#  |

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#50

Acenaphthene

Concen: 214.877 ng/ul

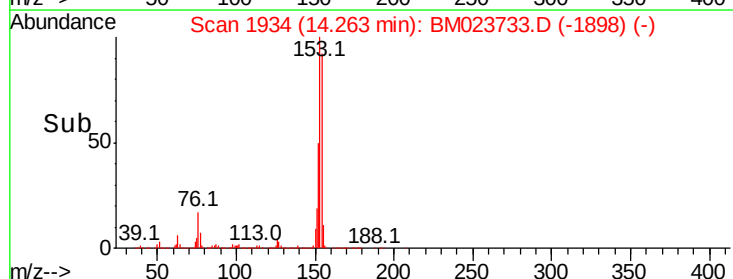
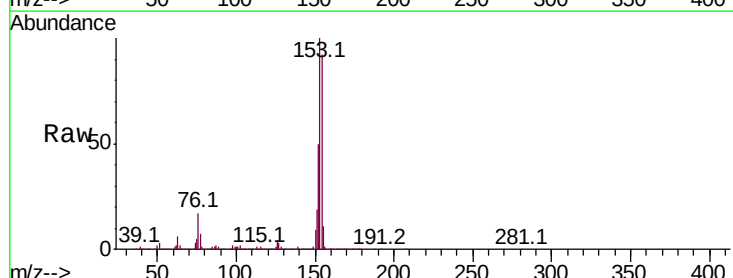
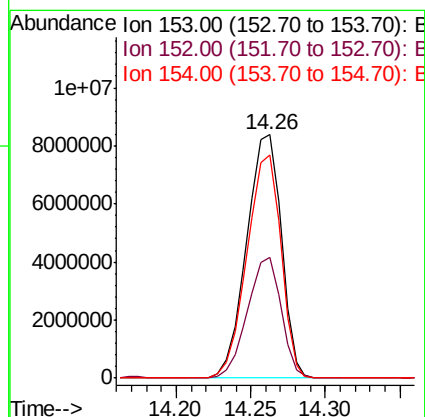
RT: 14.26 min Scan# 1934

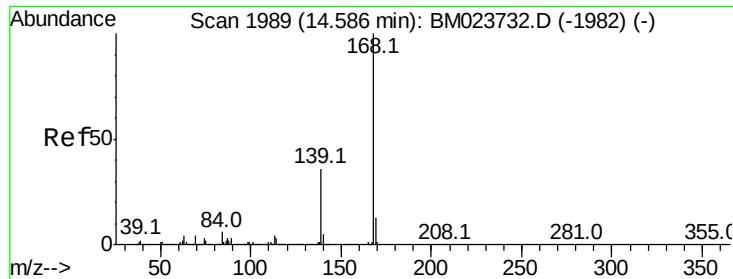
Delta R.T. 0.01 min

Lab File: BM023733.D

Acq: 15 Nov 2019 01:42

|           |       |       |          |
|-----------|-------|-------|----------|
| Tgt Ion:  | 153   | Resp: | 13507561 |
| Ion Ratio | Lower | Upper |          |
| 153       | 100   |       |          |
| 152       | 49.5  | 37.7  | 56.5     |
| 154       | 91.6  | 70.6  | 106.0    |





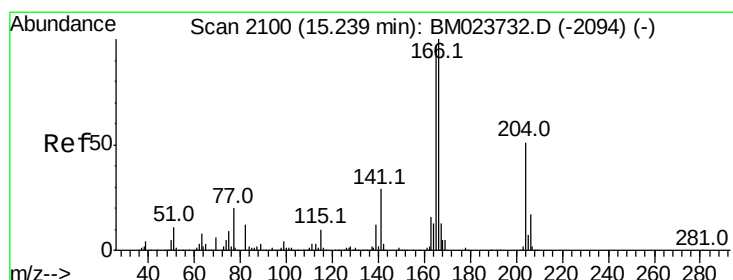
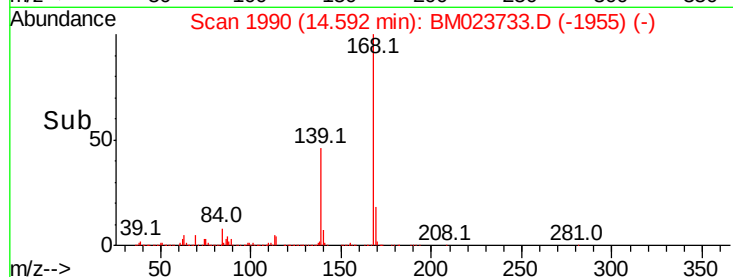
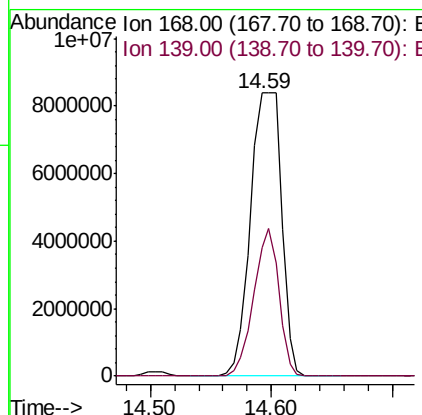
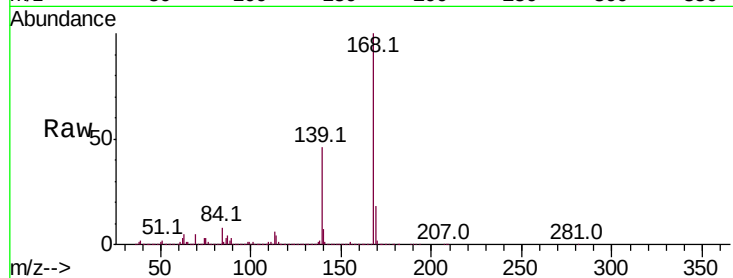
#54  
Dibenzofuran  
Concen: 163.814 ng/ul  
RT: 14.59 min Scan# 1990  
Delta R.T. 0.01 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

Instrument :  
BNA\_M  
ClientSampled :  
BEGW9

Tot Ion:168 Resp:15243800  
Ion Ratio Lower Upper  
168 100  
139 45.6 29.3 43.9#

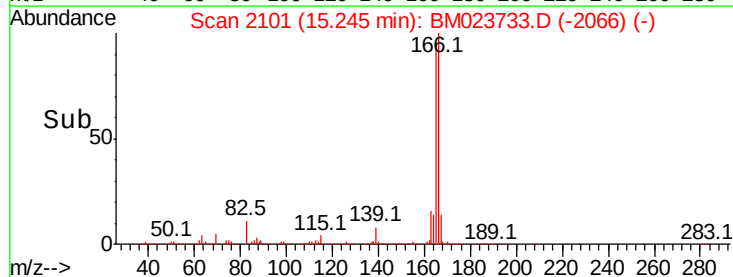
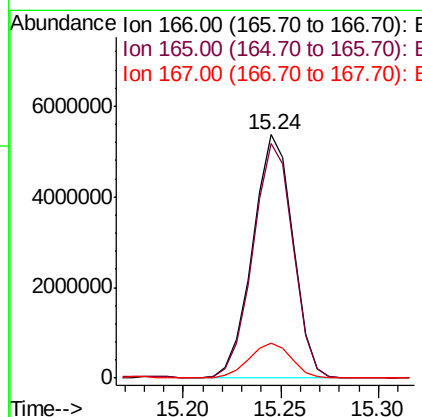
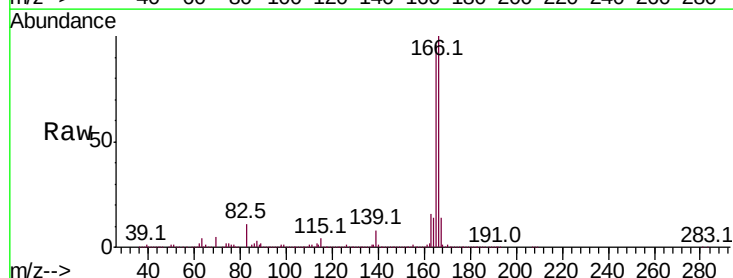
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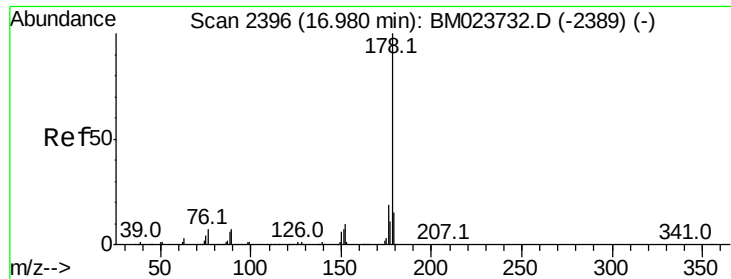
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#59  
Fluorene  
Concen: 101.101 ng/ul  
RT: 15.24 min Scan# 2101  
Delta R.T. 0.01 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

Tgt Ion:166 Resp: 7632647  
Ion Ratio Lower Upper  
166 100  
165 96.2 77.2 115.8  
167 14.5 10.9 16.3





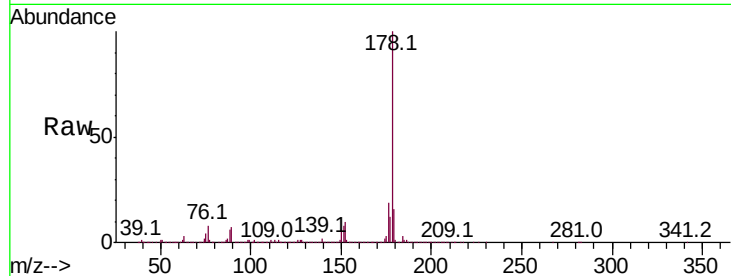
#70  
Phenanthrene  
Concen: 81.612 ng/ul  
RT: 16.99 min Scan# 2397  
Delta R.T. 0.01 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

Instrument :  
BNA\_M  
ClientSampleId :  
BEGW9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.5  | 12.3  | 18.5  |
| 176     | 19.4  | 15.0  | 22.6  |

Manual Integrations  
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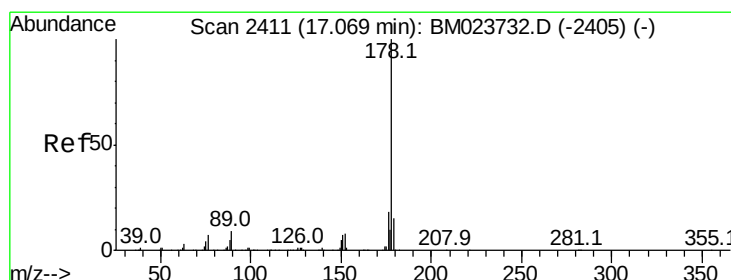
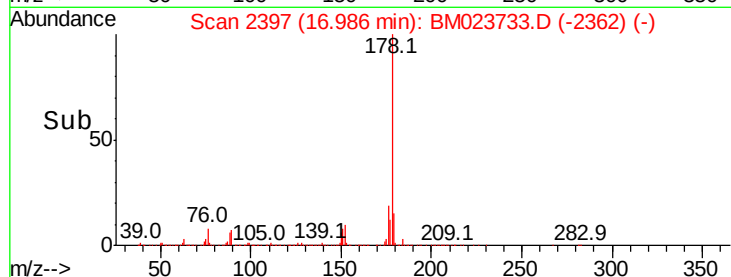
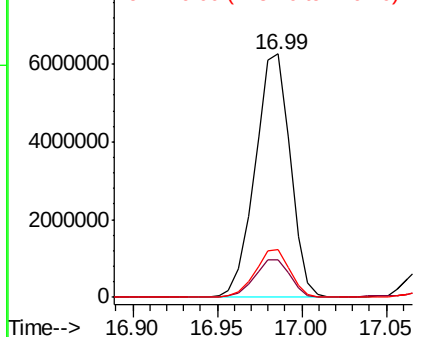


Abundance

Ion 178.00 (177.70 to 178.70): E

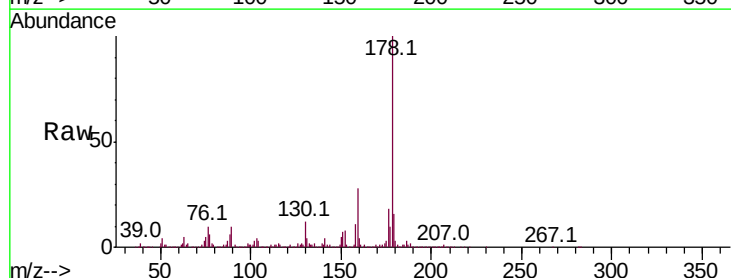
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72  
Anthracene  
Concen: 8.882 ng/ul  
RT: 17.07 min Scan# 2411  
Delta R.T. -0.00 min  
Lab File: BM023733.D  
Acq: 15 Nov 2019 01:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.9  | 12.3  | 18.5  |
| 176     | 18.3  | 14.7  | 22.1  |

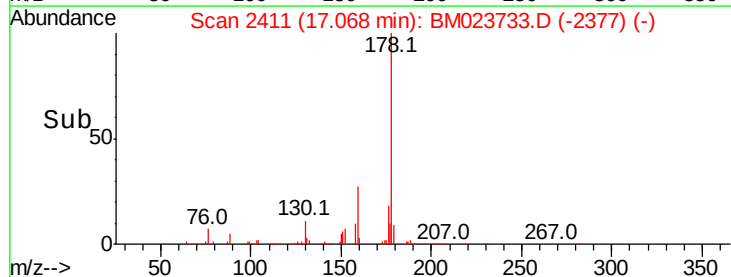
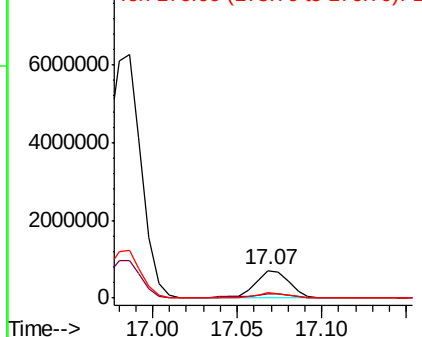


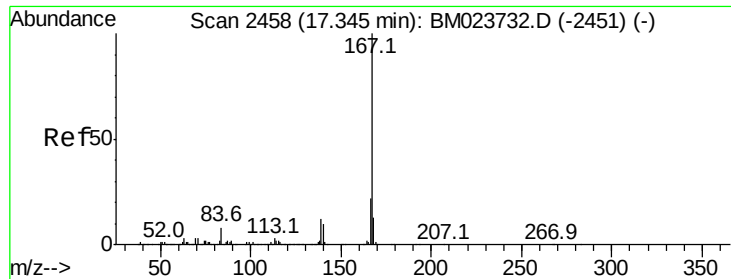
Abundance

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





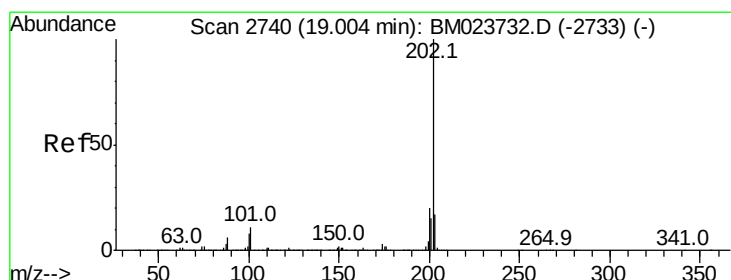
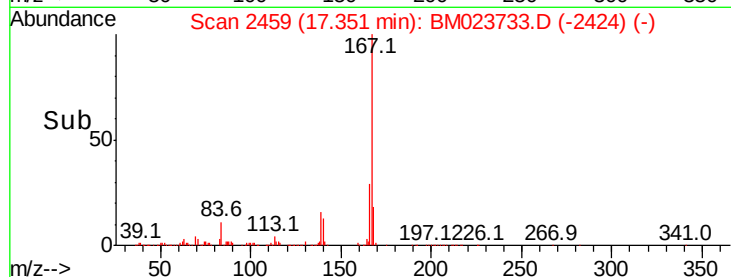
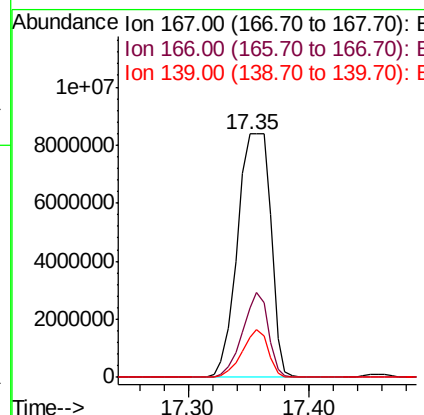
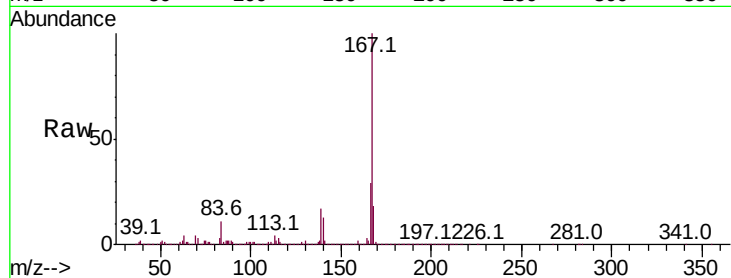
#75  
 Carbazole  
 Concen: 174.045 ng/ul  
 RT: 17.35 min Scan# 2459  
 Delta R.T. 0.01 min  
 Lab File: BM023733.D  
 Acq: 15 Nov 2019 01:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEGW9

Tot Ion:167 Resp:16163265  
 Ion Ratio Lower Upper  
 167 100  
 166 28.7 17.1 25.7#  
 139 16.5 9.8 14.6#

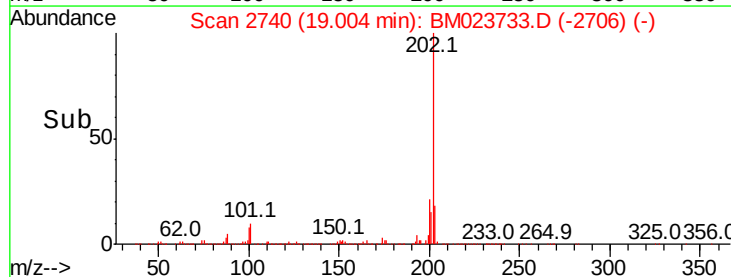
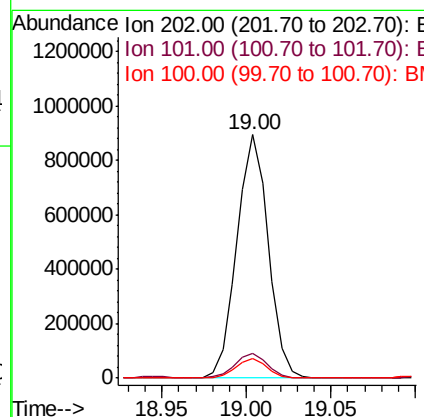
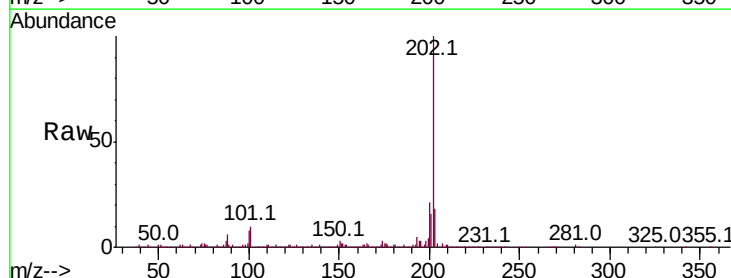
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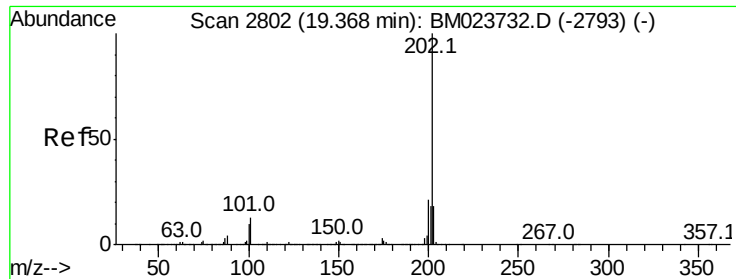


#77  
 Fluoranthene  
 Concen: 9.733 ng/ul  
 RT: 19.00 min Scan# 2740  
 Delta R.T. -0.00 min  
 Lab File: BM023733.D  
 Acq: 15 Nov 2019 01:42

Tgt Ion:202 Resp: 1155335  
 Ion Ratio Lower Upper  
 202 100  
 101 10.4 7.7 11.5  
 100 8.3 6.0 9.0







#80  
 Pvrene  
 Concen: 4.526 ng/ul  
 RT: 19.37 min Scan# 2802  
 Delta R.T. -0.00 min  
 Lab File: BM023733.D  
 Acq: 15 Nov 2019 01:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BEGW9

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.9  | 9.8        | 14.6  |
| 100     | 9.6   | 8.1        | 12.1  |

Manual Integrations  
 APPROVED

mohammad  
 11/15/2019 5:59:26 PM

