

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\  
 Data File : BM019849.D  
 Acq On : 10 Apr 2019 03:55  
 Operator : JU/SJ  
 Sample : K2255-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF8C7

Manual Integrations  
 APPROVED

Sohil  
 4/10/2019 6:19:09 PM

Quant Time: Apr 10 04:50:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Apr 10 03:34:56 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 119569   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.33 | 136  | 463442   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.22 | 164  | 233054   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.98 | 188  | 489952   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.19 | 240  | 555057   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.39 | 264  | 672626   | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.12  | 96  | 20656  | 6.76  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.75  | 99  | 152950 | 14.36 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.91  | 67  | 101280 | 14.21 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 132193 | 16.38 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.28  | 113 | 110276 | 13.80 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 57072  | 17.26 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 64688  | 17.58 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 107794 | 15.53 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.51 | 131 | 105474 | 12.65 | ng/ul | 0.00  |
| 44) Dimethylphthalate-d6       | 13.64 | 166 | 333735 | 17.75 | ng/ul | 0.00  |
| 47) Acenaphthylene-d8          | 13.91 | 160 | 386802 | 16.45 | ng/ul | 0.00  |
| 52) 4-Nitrophenol-d4           | 14.52 | 143 | 30319m | 10.29 | ng/ul | 0.04  |
| 58) Fluorene-d10               | 15.22 | 176 | 272864 | 16.84 | ng/ul | 0.00  |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 26998  | 8.33  | ng/ul | 0.00  |
| 71) Anthracene-d10             | 17.08 | 188 | 405021 | 17.23 | ng/ul | 0.00  |
| 79) Pyrene-d10                 | 19.39 | 212 | 443283 | 17.29 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.25 | 264 | 533638 | 14.97 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |       | Ovalue |    |
|--------------------------------|-------|-----|--------|-------|--------|----|
| 45) Dimethylphthalate          | 13.69 | 163 | 105235 | 5.578 | ng/ul# | 98 |
| 77) Fluoranthene               | 19.05 | 202 | 79494  | 2.497 | ng/ul# | 88 |
| 80) Pyrene                     | 19.42 | 202 | 101673 | 3.045 | ng/ul# | 83 |
| 81) Butylbenzylphthalate       | 20.32 | 149 | 50387  | 3.811 | ng/ul  | 90 |
| 83) Benzo(a)anthracene         | 21.17 | 228 | 86576  | 2.591 | ng/ul  | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 176171 | 9.193 | ng/ul# | 96 |
| 85) Chrysene                   | 21.23 | 228 | 88493  | 2.761 | ng/ul  | 97 |
| 88) Benzo(b)fluoranthene       | 22.73 | 252 | 136814 | 3.339 | ng/ul# | 88 |
| 89) Benzo(k)fluoranthene       | 22.77 | 252 | 50569  | 1.285 | ng/ul# | 85 |
| 91) Benzo(a)pyrene             | 23.30 | 252 | 113825 | 2.906 | ng/ul# | 89 |
| 92) Indeno(1,2,3-cd)pyrene     | 25.61 | 276 | 83737  | 1.707 | ng/ul# | 91 |
| 94) Benzo(g,h,i)perylene       | 26.29 | 276 | 74094  | 1.808 | ng/ul# | 89 |

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

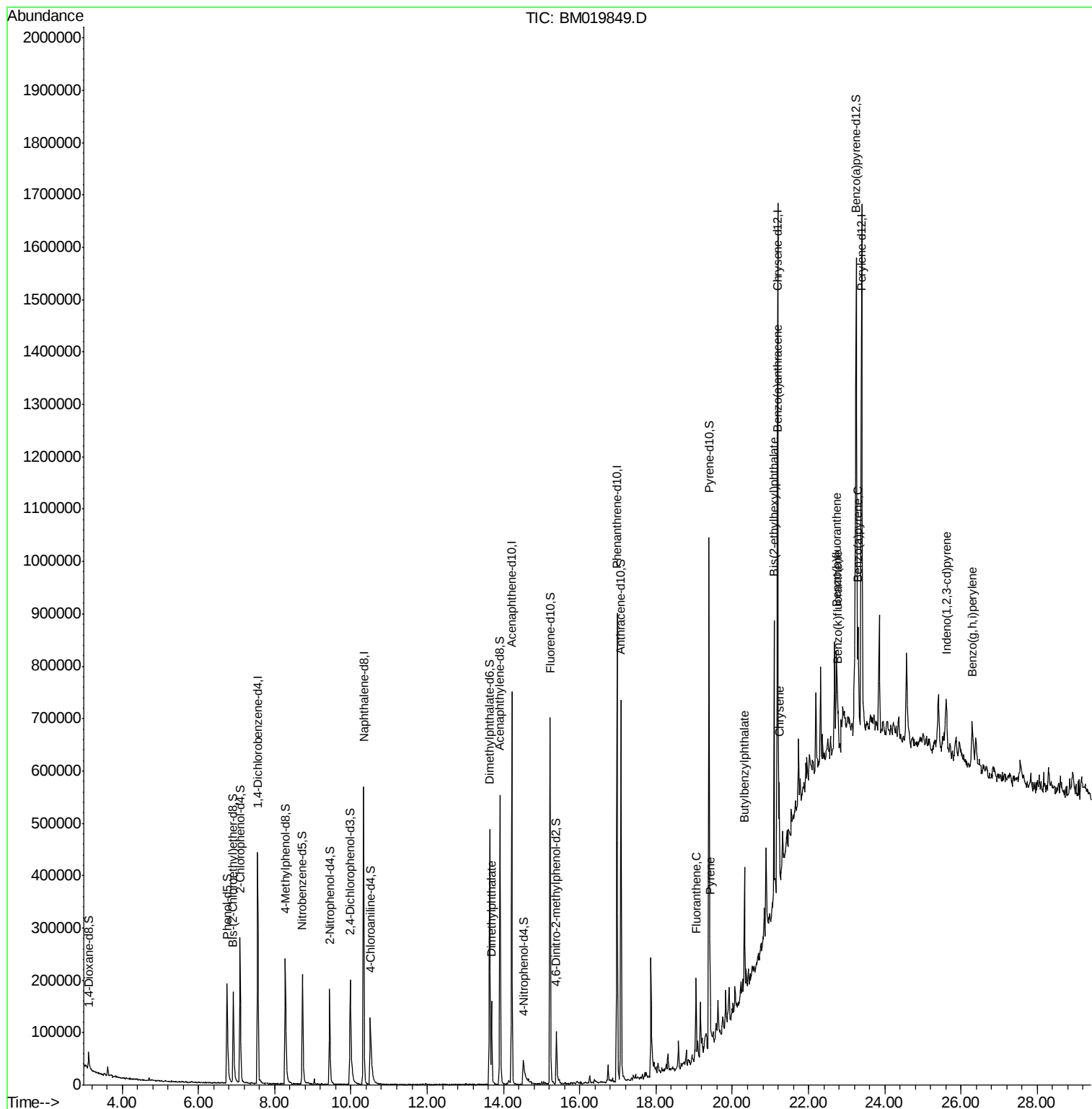
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\  
Data File : BM019849.D  
Acq On : 10 Apr 2019 03:55  
Operator : JU/SJ  
Sample : K2255-10  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

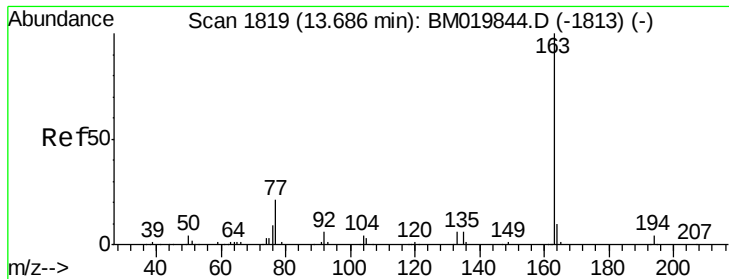
Instrument :  
BNA\_M  
ClientSampleId :  
BF8C7

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Quant Time: Apr 10 04:50:13 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM032219MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Apr 10 03:34:56 2019  
Response via : Initial Calibration





#45

Dimethylphthalate

Concen: 5.578 ng/ul

RT: 13.69 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BM019849.D

Acq: 10 Apr 2019 03:55

Instrument :

BNA\_M

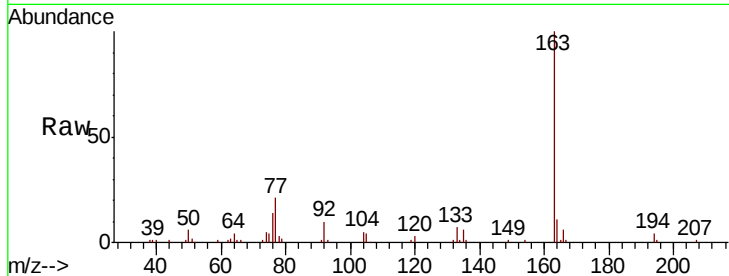
ClientSampleId :

BF8C7

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 105235 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.7   | 4.0   | 6.0#   |
| 164       | 10.9  | 8.4   | 12.6   |

Manual Integrations  
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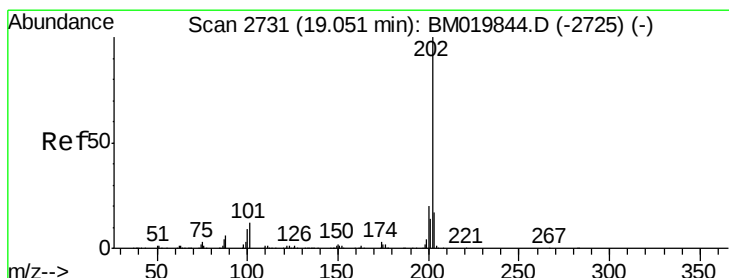
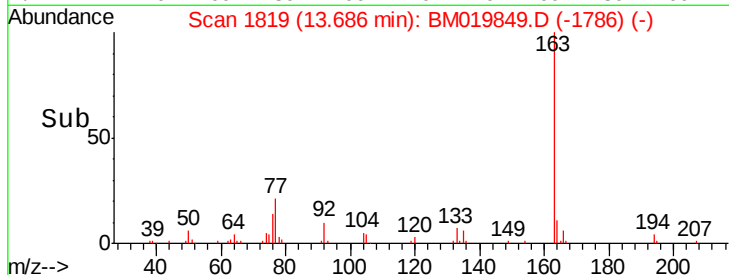
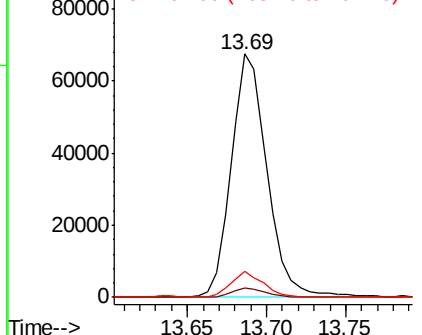


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#77

Fluoranthene

Concen: 2.497 ng/ul

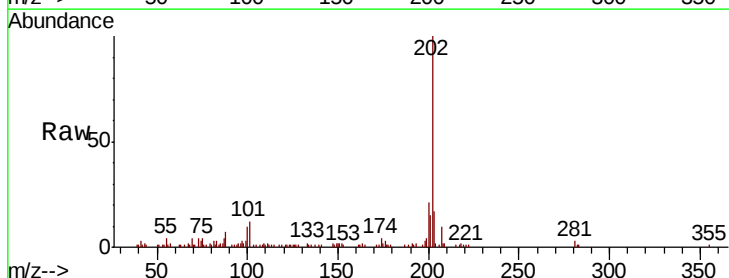
RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BM019849.D

Acq: 10 Apr 2019 03:55

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 79494 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 11.6  | 6.1   | 9.1#  |
| 100       | 9.8   | 4.6   | 7.0#  |

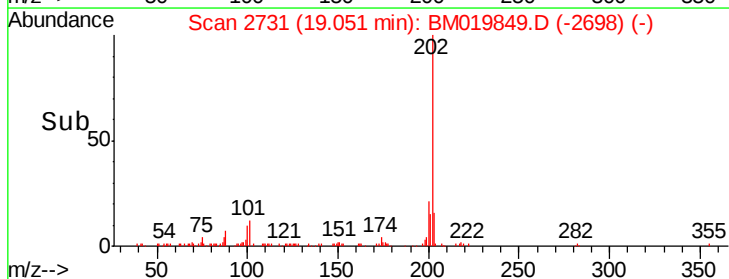
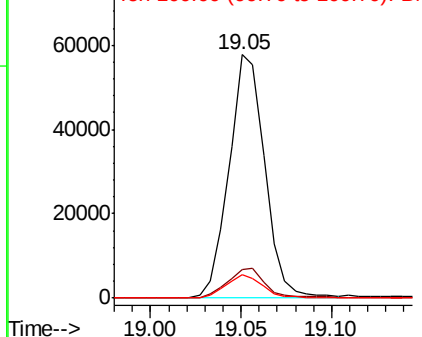


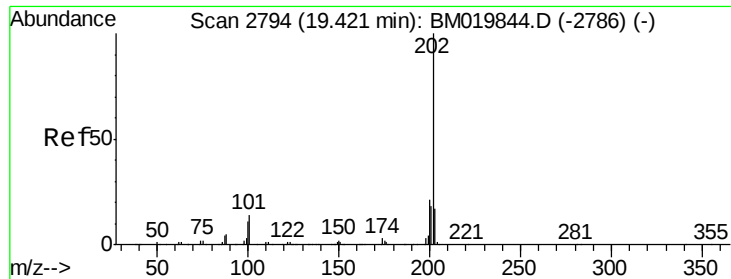
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





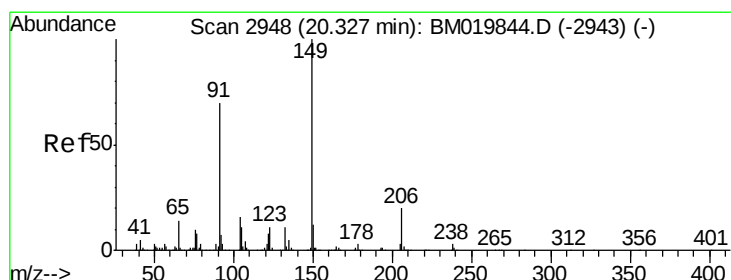
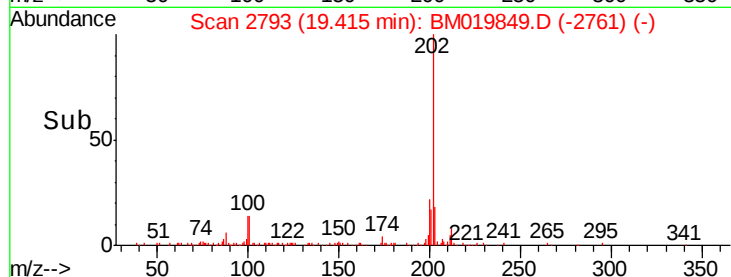
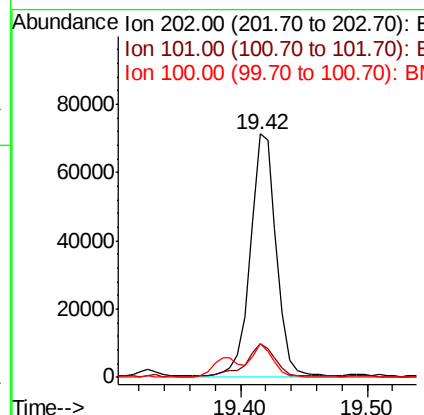
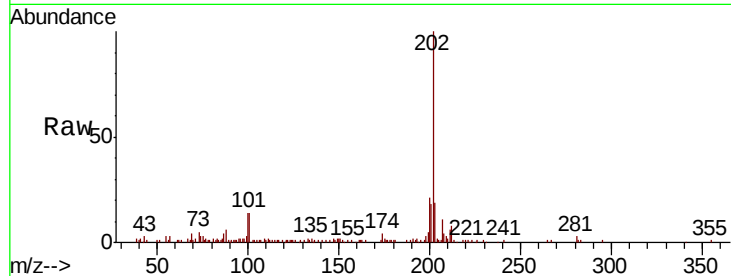
#80  
Pvrene  
Concen: 3.045 ng/ul  
RT: 19.42 min Scan# 2793  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

Instrument :  
BNA\_M  
ClientSampleId :  
BF8C7

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 13.8  | 6.9        | 10.3# |
| 100     | 14.0  | 5.6        | 8.4#  |

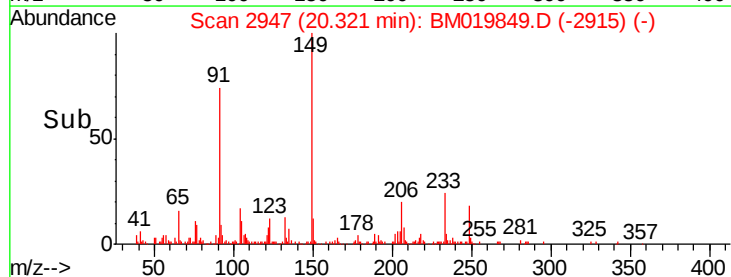
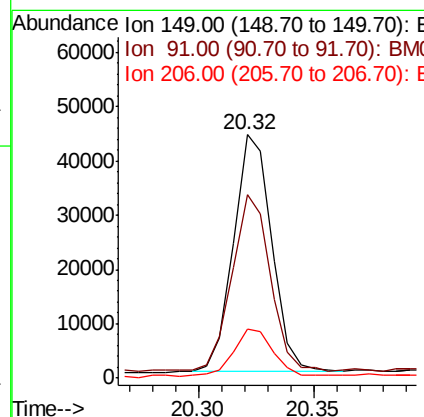
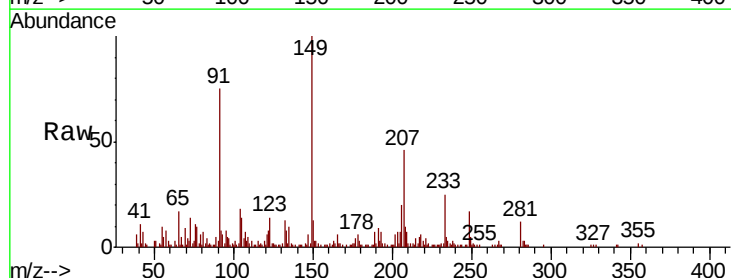
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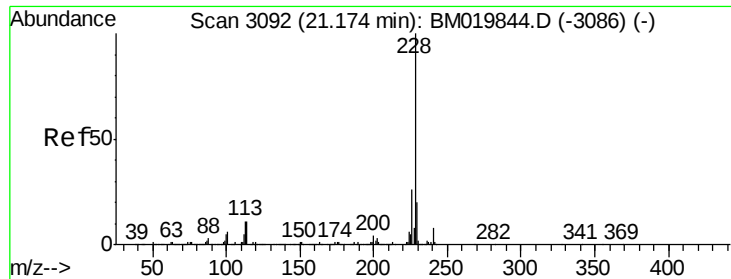
Sohil  
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#81  
Butylbenzylphthalate  
Concen: 3.811 ng/ul  
RT: 20.32 min Scan# 2947  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 75.3  | 53.4       | 80.0  |
| 206     | 20.3  | 19.3       | 28.9  |





#83

Benzo(a)anthracene

Concen: 2.591 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM019849.D

Acq: 10 Apr 2019 03:55

Instrument :

BNA\_M

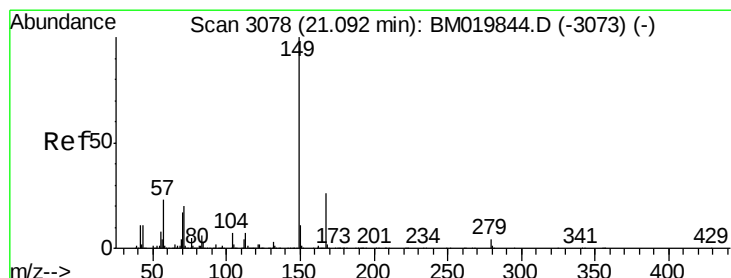
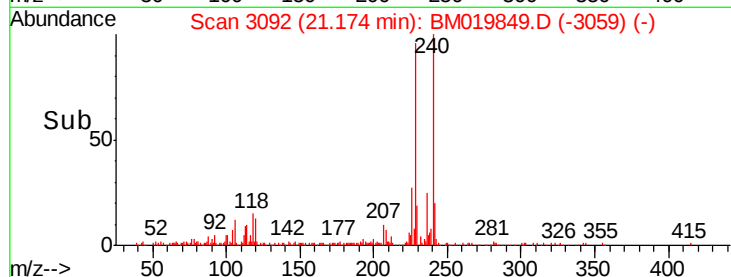
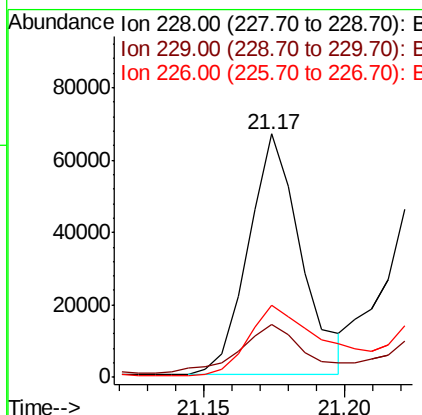
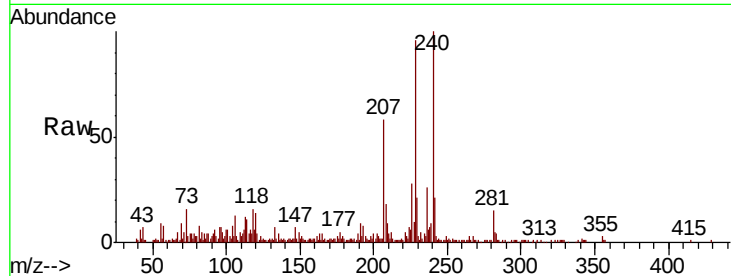
ClientSampleId :

BF8C7

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 228   | Resp: | 86576 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 229       | 21.9  | 16.0  | 24.0  |
| 226       | 29.6  | 21.8  | 32.8  |

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#84

Bis(2-ethylhexyl)phthalate

Concen: 9.193 ng/ul

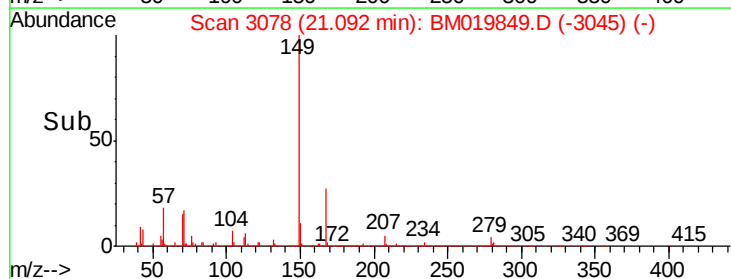
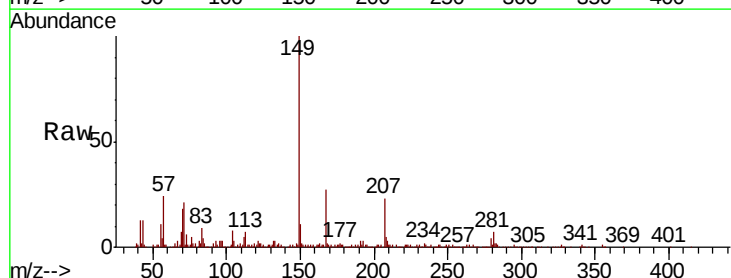
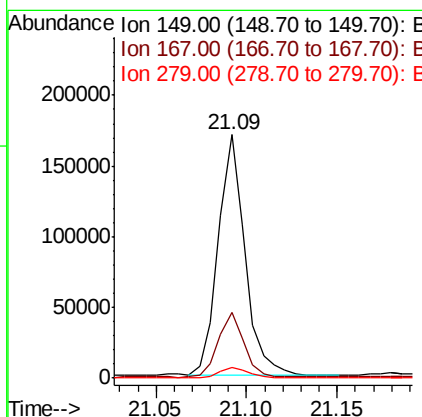
RT: 21.09 min Scan# 3078

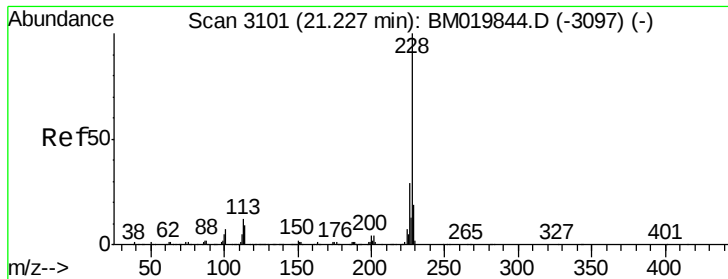
Delta R.T. -0.01 min

Lab File: BM019849.D

Acq: 10 Apr 2019 03:55

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 176171 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.9  | 23.0  | 34.6   |
| 279       | 4.2   | 4.3   | 6.5#   |





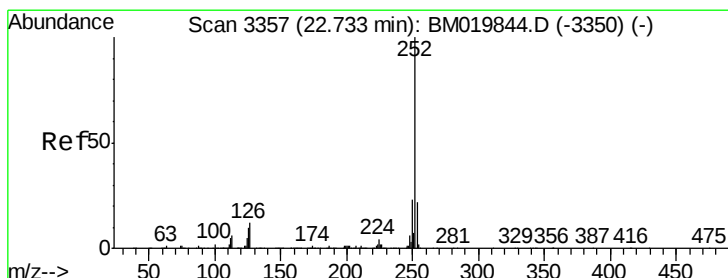
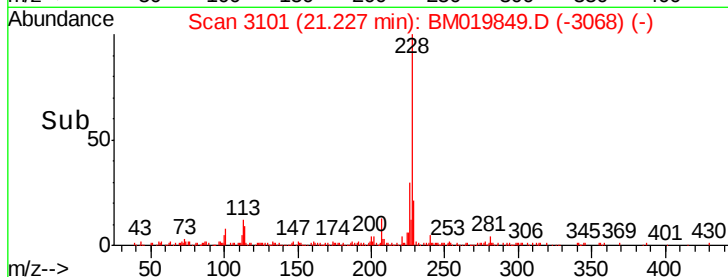
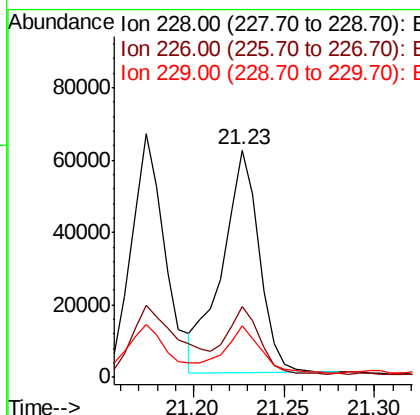
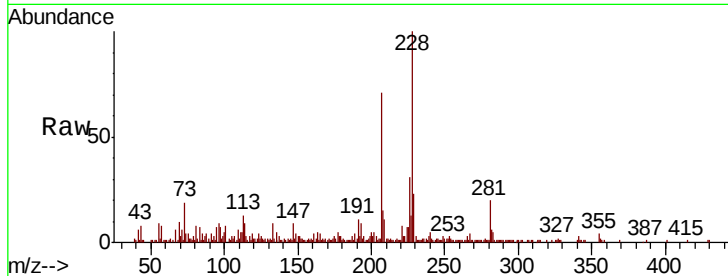
#85  
Chrysene  
Concen: 2.761 ng/ul  
RT: 21.23 min Scan# 3101  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

Instrument :  
BNA\_M  
ClientSampled :  
BF8C7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.9  | 24.1  | 36.1  |
| 229     | 22.5  | 16.0  | 24.0  |

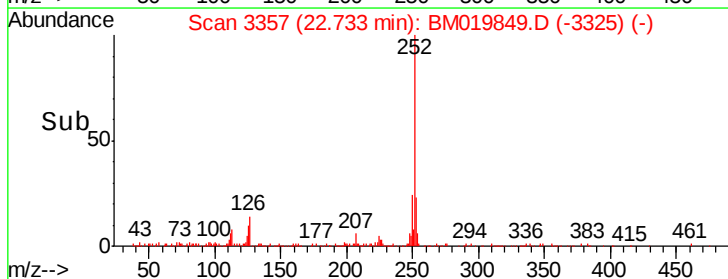
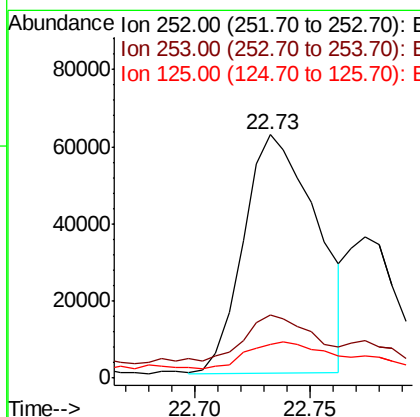
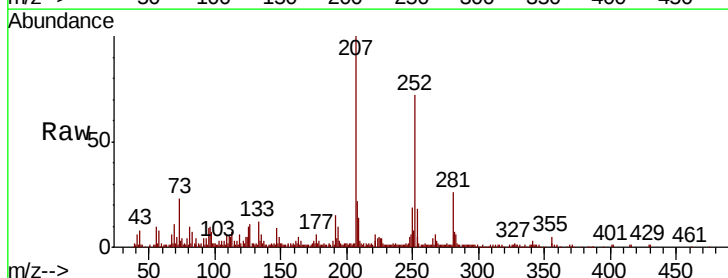
Manual Integrations  
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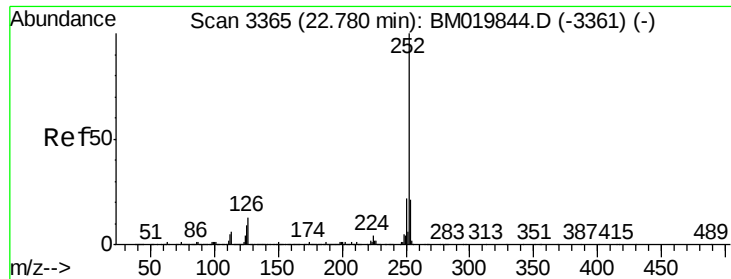
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4/10/2019 6:19:09 PM



#88  
Benzo(b)fluoranthene  
Concen: 3.339 ng/ul  
RT: 22.73 min Scan# 3357  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.8  | 17.4  | 26.0  |
| 125     | 13.7  | 4.9   | 7.3#  |





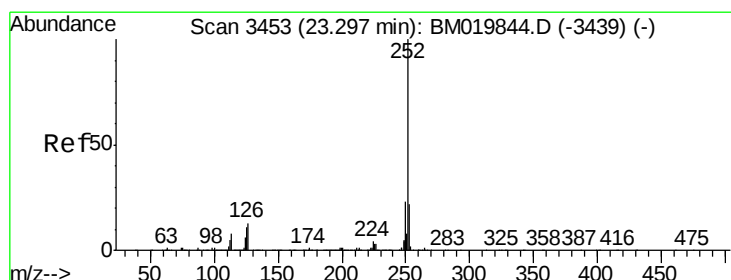
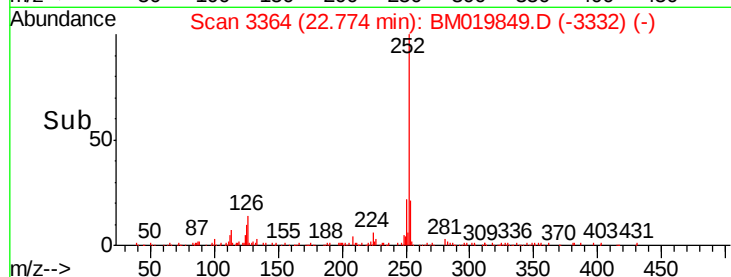
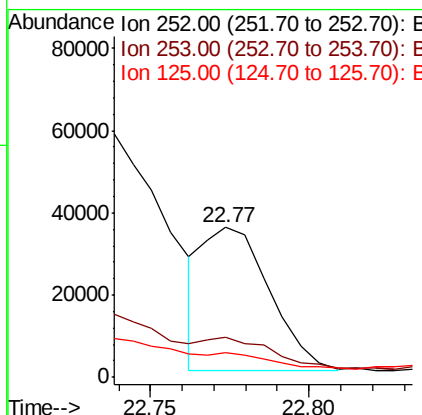
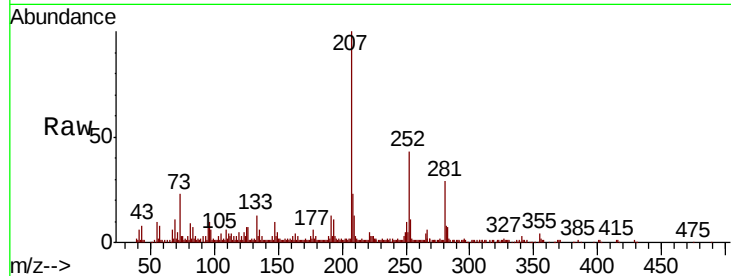
#89  
Benzo(k)fluoranthene  
Concen: 1.285 ng/ul  
RT: 22.77 min Scan# 3364  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

Instrument :  
BNA\_M  
ClientSampled :  
BF8C7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.8  | 17.1  | 25.7# |
| 125     | 16.2  | 5.4   | 8.0#  |

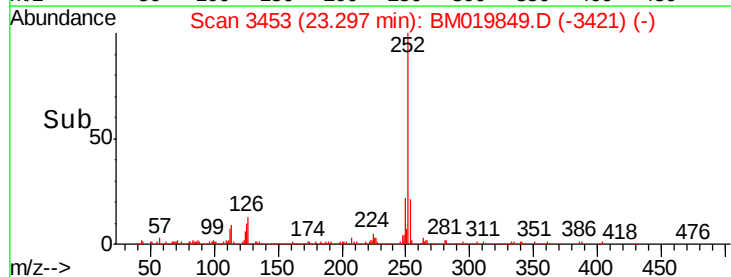
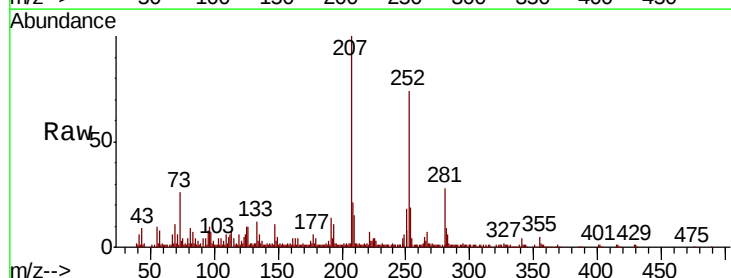
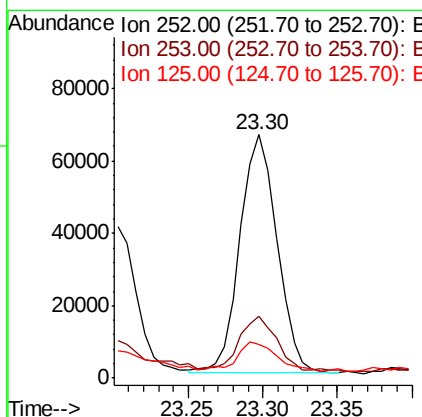
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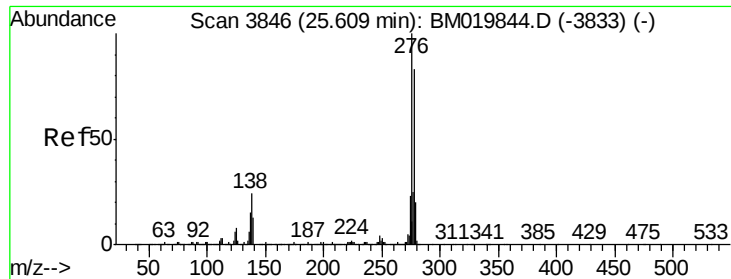
Sohil  
4/10/2019 6:19:09 PM



#91  
Benzo(a)pyrene  
Concen: 2.906 ng/ul  
RT: 23.30 min Scan# 3453  
Delta R.T. -0.01 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 25.7  | 17.2  | 25.8  |
| 125     | 13.7  | 5.8   | 8.6#  |





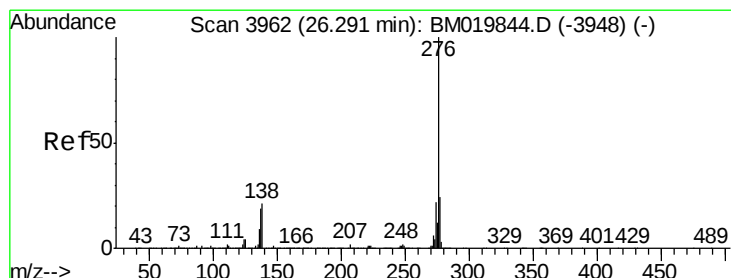
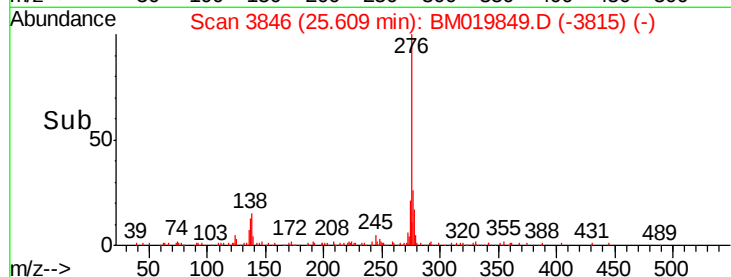
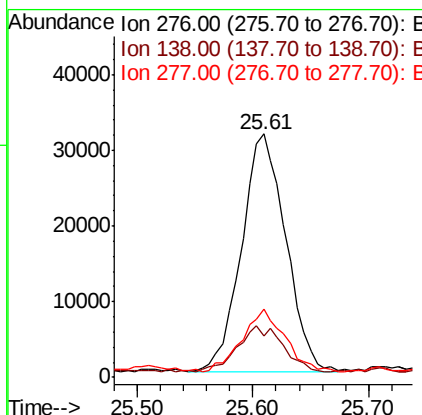
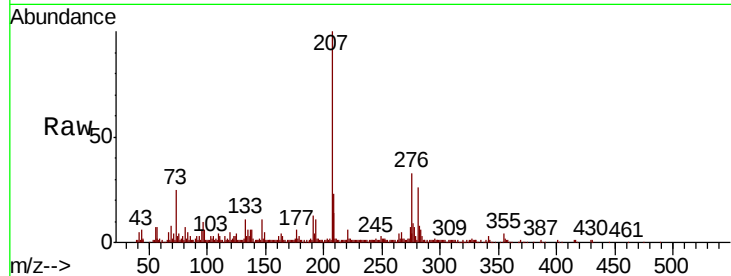
#92  
Indeno(1,2,3-cd)pyrene  
Concen: 1.707 ng/ul  
RT: 25.61 min Scan# 3846  
Delta R.T. -0.02 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

Instrument :  
BNA\_M  
ClientSampleId :  
BF8C7

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.2  | 10.9  | 16.3# |
| 277     | 28.1  | 18.9  | 28.3  |

Manual Integrations  
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#94  
Benzo(g,h,i)perylene  
Concen: 1.808 ng/ul  
RT: 26.29 min Scan# 3962  
Delta R.T. -0.02 min  
Lab File: BM019849.D  
Acq: 10 Apr 2019 03:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 22.8  | 11.2  | 16.8# |
| 277     | 25.8  | 19.0  | 28.6  |

