

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM042618\  
 Data File : BM014855.D  
 Acq On : 26 Apr 2018 12:09  
 Operator : SJ/JU  
 Sample : J2431-15ME 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DASP6ME

Quant Time: Apr 27 01:23:53 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 27 01:05:24 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.50  | 152  | 273246   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.35 | 136  | 1167166  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.10 | 164  | 649722   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.82 | 188  | 1453284  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.91 | 240  | 1575603  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.39 | 264  | 1651950  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |      |       |      |
|--------------------------------|-------|-----|--------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 8044   | 1.29 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.62  | 99  | 135030 | 6.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.80  | 67  | 93895  | 6.93 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 8.02  | 132 | 110015 | 6.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.20  | 113 | 106747 | 6.34 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.68  | 128 | 47705  | 5.65 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.41 | 143 | 44688  | 5.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.95 | 165 | 92197  | 5.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.47 | 131 | 146474 | 8.69 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.50 | 166 | 308714 | 6.09 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.80 | 160 | 360420 | 5.75 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.26 | 143 | 38013  | 4.04 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.08 | 176 | 271677 | 6.16 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.18 | 200 | 24552  | 3.12 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.92 | 188 | 408126 | 6.03 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.16 | 212 | 458053 | 6.14 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.23 | 264 | 470871 | 5.80 | ng/ul | 0.00 |

## Target Compounds

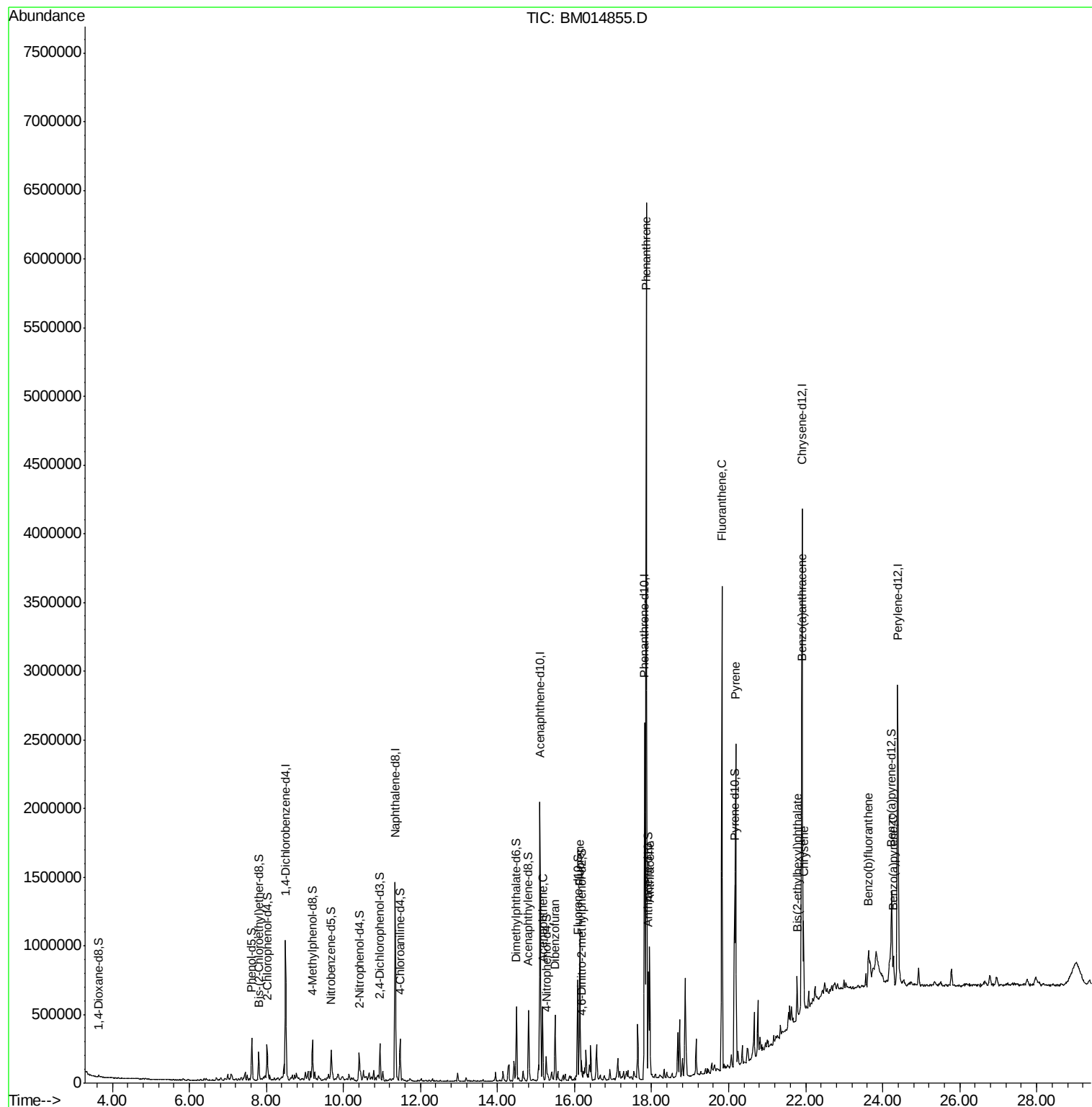
|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 49) Acenaphthene               | 15.17 | 153 | 196962  | 4.568  | ng/ul 97  |
| 53) Dibenzofuran               | 15.50 | 168 | 278393  | 4.649  | ng/ul 99  |
| 58) Fluorene                   | 16.14 | 166 | 467891  | 9.677  | ng/ul 99  |
| 69) Phenanthrene               | 17.86 | 178 | 3633496 | 46.555 | ng/ul 98  |
| 71) Anthracene                 | 17.95 | 178 | 544137  | 6.870  | ng/ul 99  |
| 74) Fluoranthene               | 19.83 | 202 | 1958853 | 23.020 | ng/ul# 81 |
| 77) Pyrene                     | 20.19 | 202 | 1358154 | 14.753 | ng/ul# 79 |
| 80) Benzo(a)anthracene         | 21.89 | 228 | 416648  | 4.522  | ng/ul 99  |
| 81) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 90237   | 1.637  | ng/ul# 92 |
| 82) Chrysene                   | 21.94 | 228 | 332964  | 3.860  | ng/ul 97  |
| 85) Benzo(b)fluoranthene       | 23.63 | 252 | 257254  | 2.642  | ng/ul# 94 |
| 88) Benzo(a)pyrene             | 24.28 | 252 | 159938  | 1.731  | ng/ul# 95 |

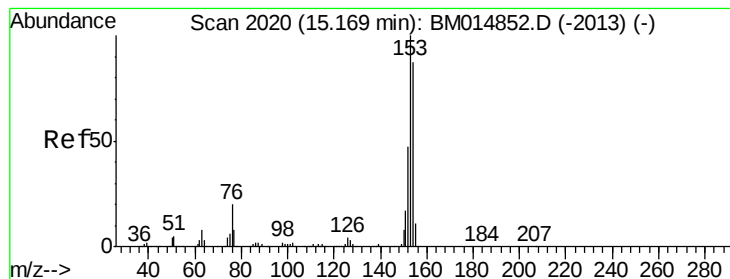
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Apr 27 01:05:24 2018  
Response via : Initial Calibration





#49

Acenaphthene

Concen: 4.568 ng/ul

RT: 15.17 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

Instrument :

BNA\_M

ClientSampleId :

DASP6ME

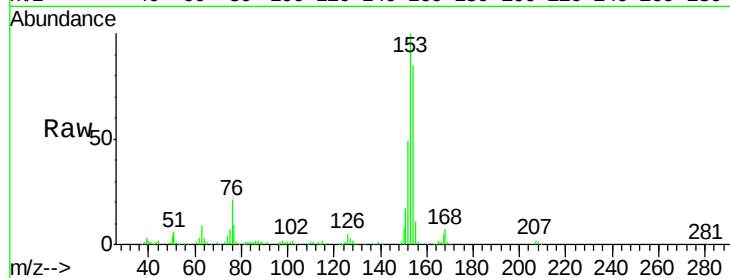
Tgt Ion:153 Resp: 196962

Ion Ratio Lower Upper

153 100

152 48.9 37.6 56.4

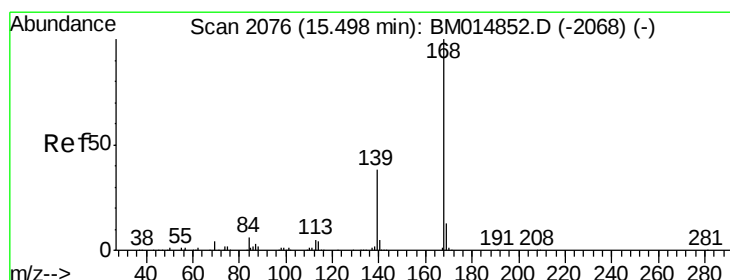
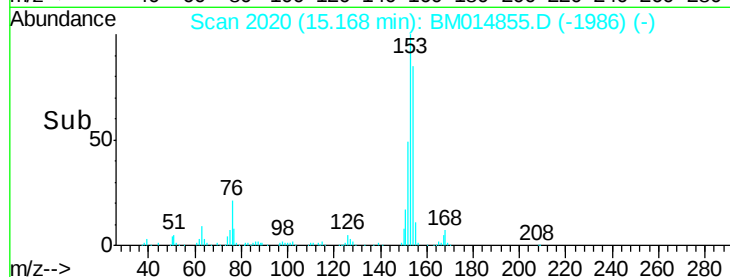
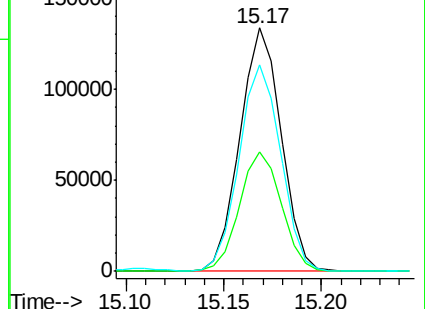
154 84.7 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 4.649 ng/ul

RT: 15.50 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BM014855.D

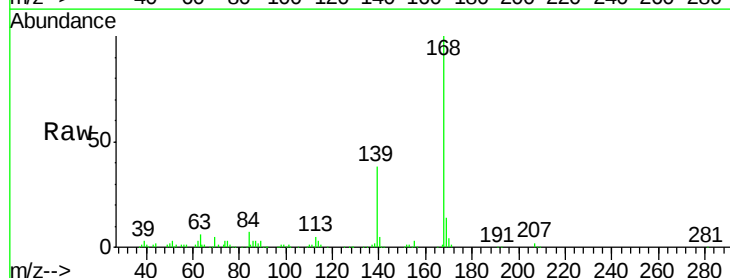
Acq: 26 Apr 2018 12:09

Tgt Ion:168 Resp: 278393

Ion Ratio Lower Upper

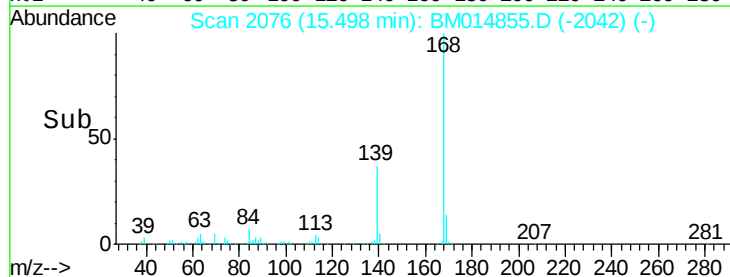
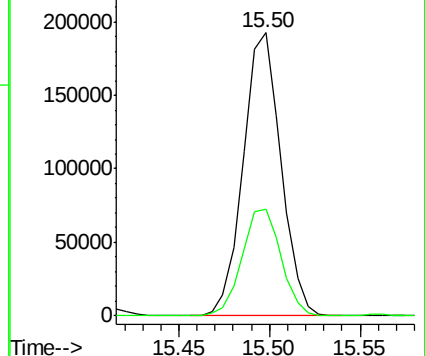
168 100

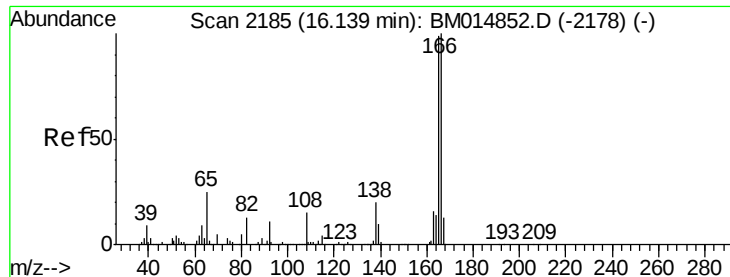
139 37.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.677 ng/ul

RT: 16.14 min Scan# 2185

Delta R.T. -0.00 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

Instrument :

BNA\_M

ClientSampleId :

DASP6ME

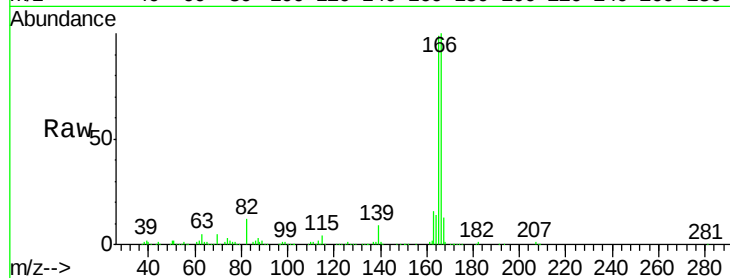
Tgt Ion:166 Resp: 467891

Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

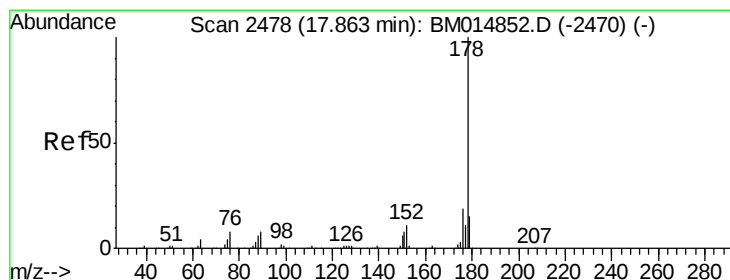
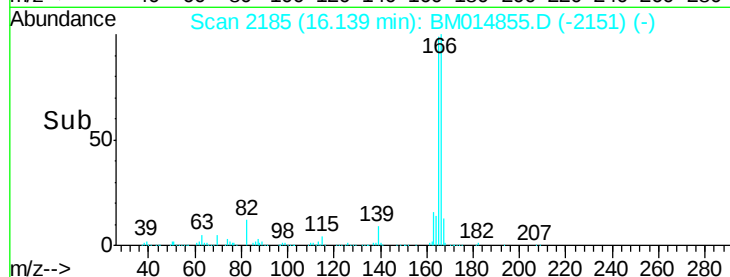
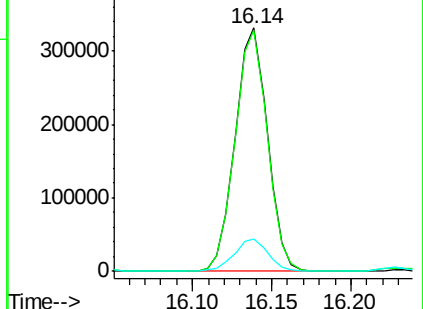
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 46.555 ng/ul

RT: 17.86 min Scan# 2478

Delta R.T. -0.00 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

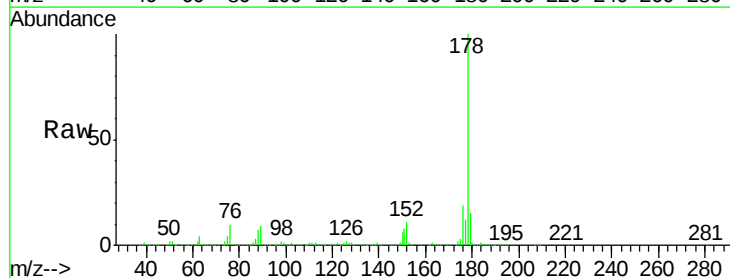
Tgt Ion:178 Resp: 3633496

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

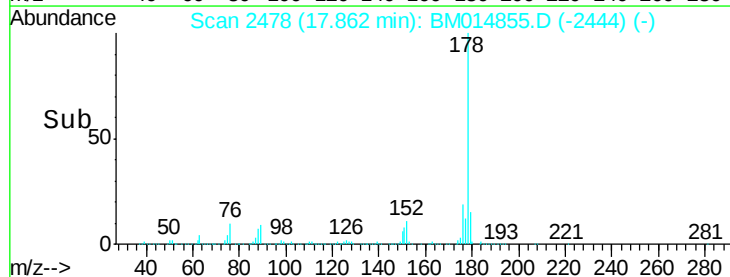
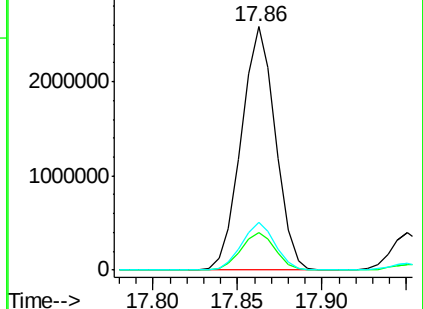
176 19.4 14.9 22.3

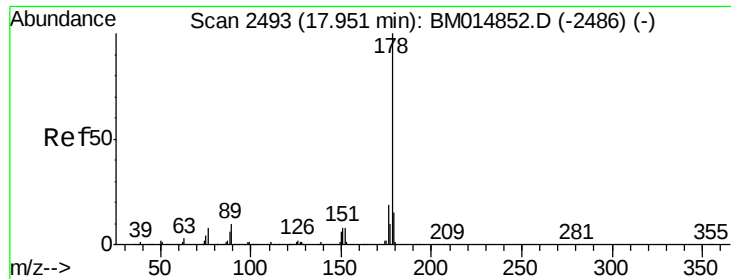


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

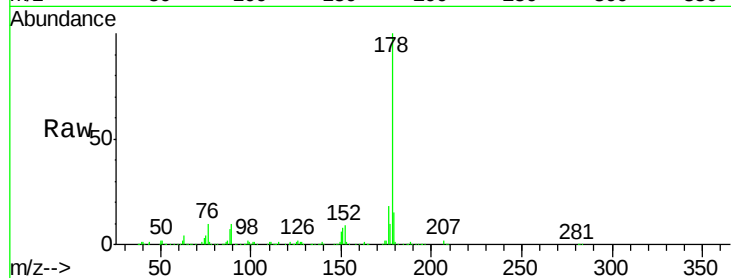




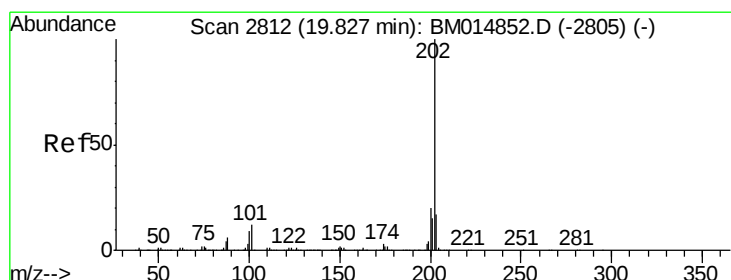
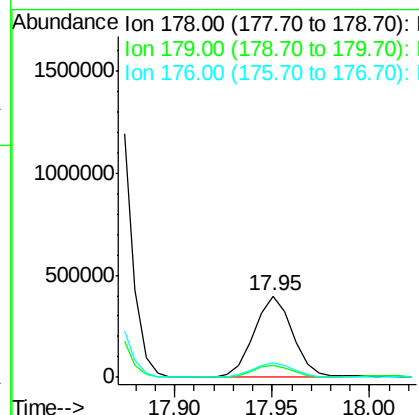
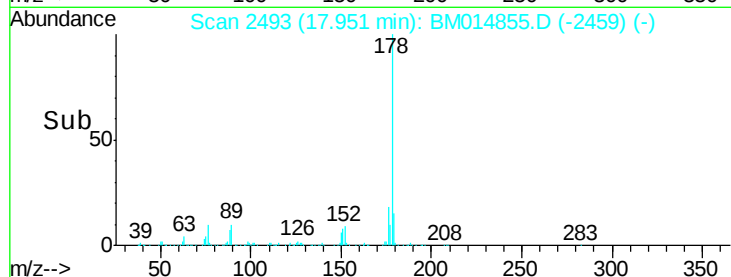
#71  
 Anthracene  
 Concen: 6.870 ng/ul  
 RT: 17.95 min Scan# 2493  
 Delta R.T. -0.00 min  
 Lab File: BM014855.D  
 Acq: 26 Apr 2018 12:09

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DASP6ME

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.2  | 11.7  | 17.5  |
| 176     | 18.1  | 14.6  | 21.8  |

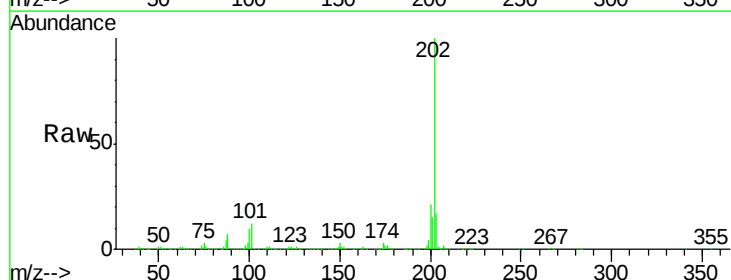


Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 176.00 (175.70 to 176.70): E

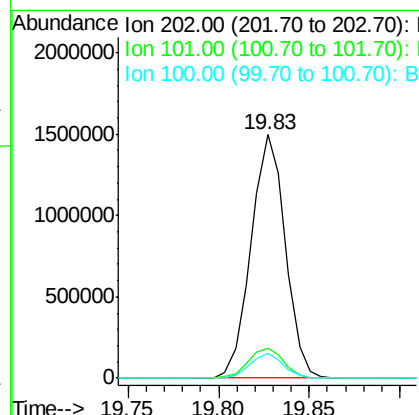
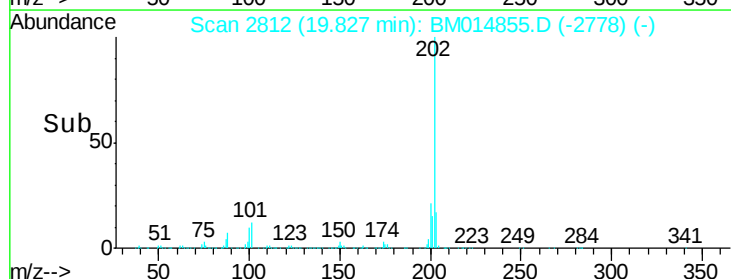


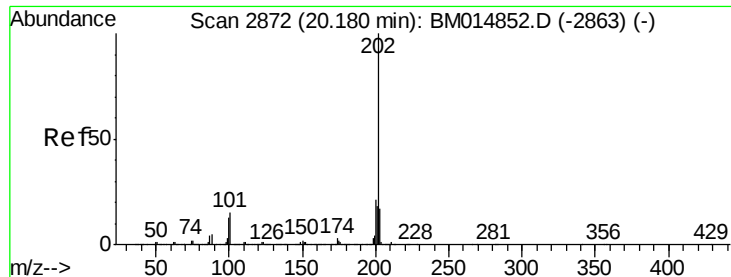
#74  
 Fluoranthene  
 Concen: 23.020 ng/ul  
 RT: 19.83 min Scan# 2812  
 Delta R.T. -0.00 min  
 Lab File: BM014855.D  
 Acq: 26 Apr 2018 12:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 4.6   | 7.0#  |
| 100     | 10.2  | 3.4   | 5.2#  |



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): B





#77

Pyrene

Concen: 14.753 ng/ul

RT: 20.19 min Scan# 2873

Delta R.T. 0.01 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

Instrument :

BNA\_M

ClientSampleId :

DASP6ME

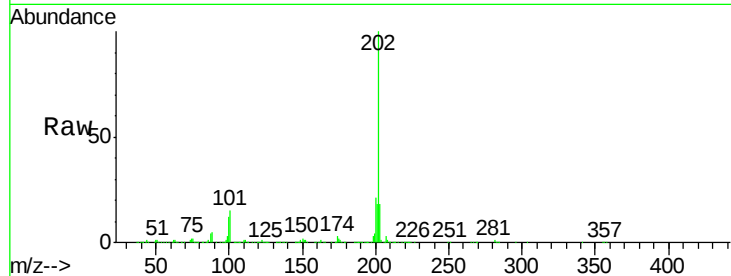
Tgt Ion:202 Resp: 1358154

Ion Ratio Lower Upper

202 100

101 14.7 5.1 7.7#

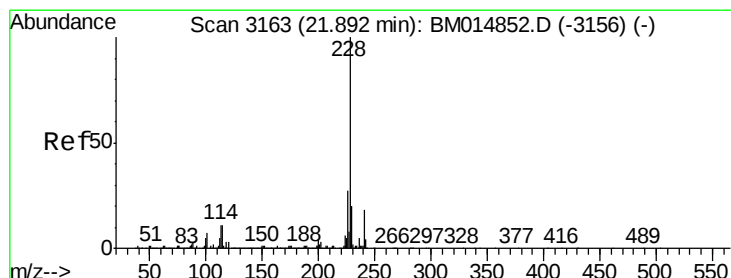
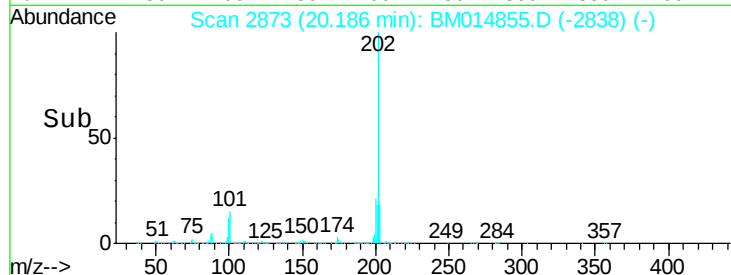
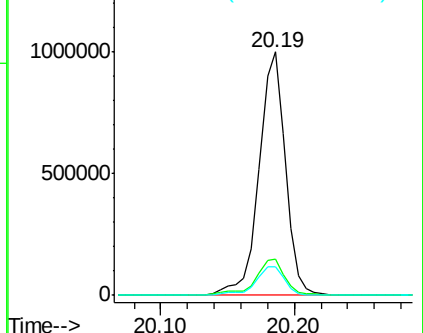
100 11.7 4.9 7.3#



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): B



#80

Benzo(a)anthracene

Concen: 4.522 ng/ul

RT: 21.89 min Scan# 3163

Delta R.T. -0.00 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

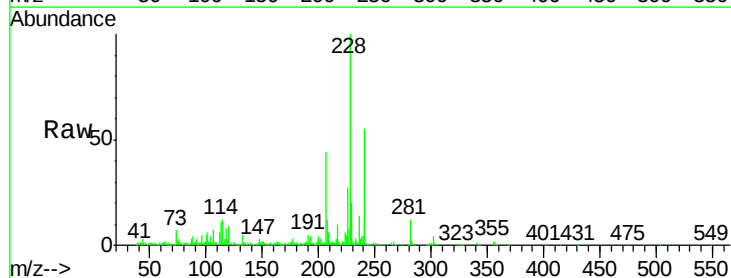
Tgt Ion:228 Resp: 416648

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

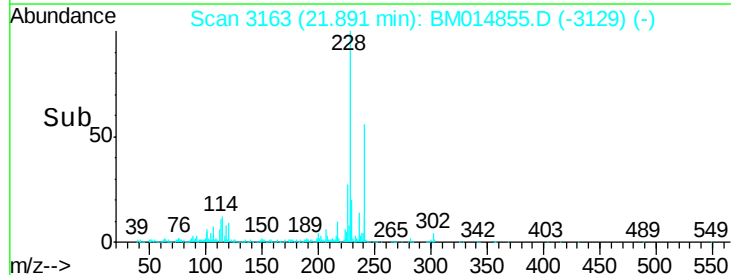
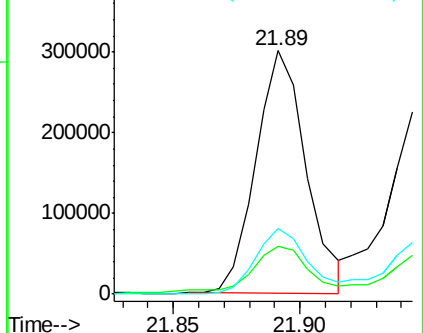
226 26.8 21.4 32.0

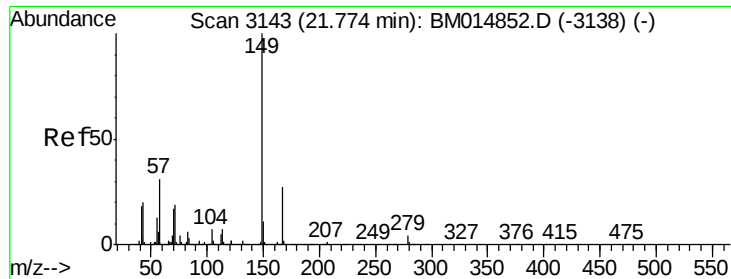


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

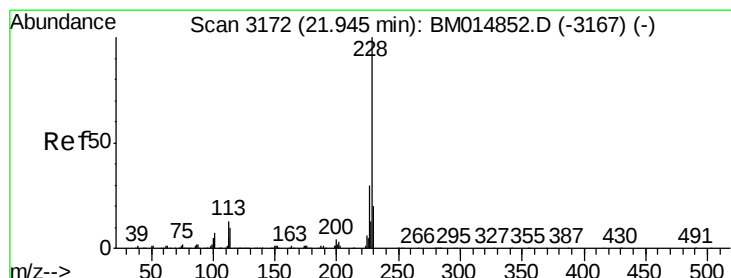
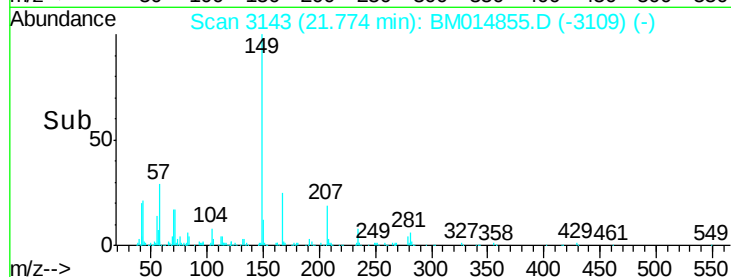
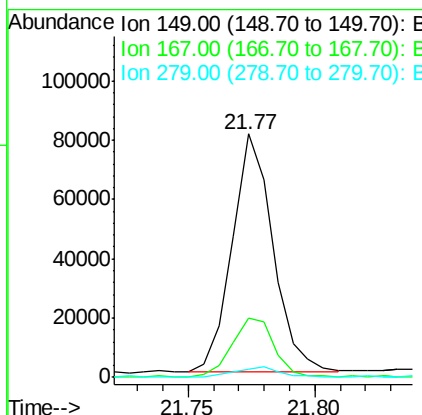
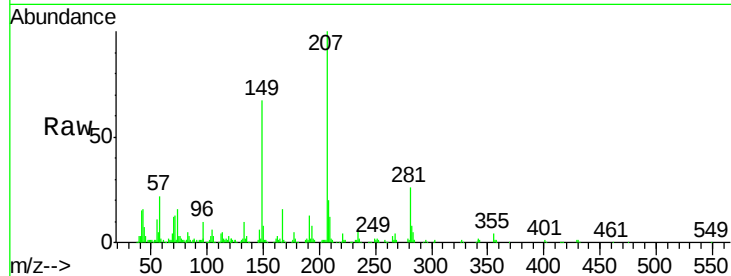




#81  
 Bis(2-ethylhexyl)phthalate  
 Concen: 1.637 ng/ul  
 RT: 21.77 min Scan# 3143  
 Delta R.T. -0.00 min  
 Lab File: BM014855.D  
 Acq: 26 Apr 2018 12:09

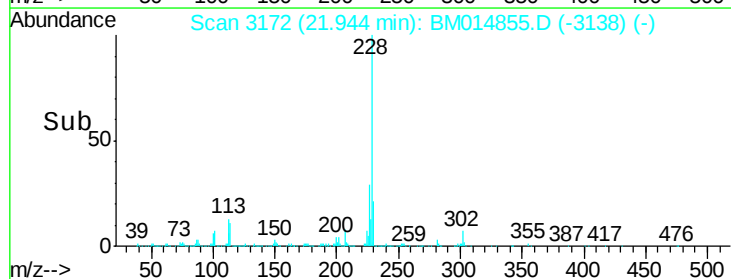
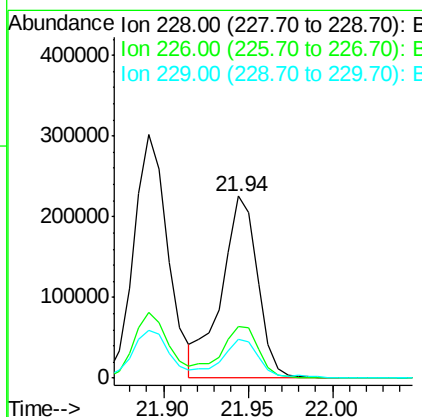
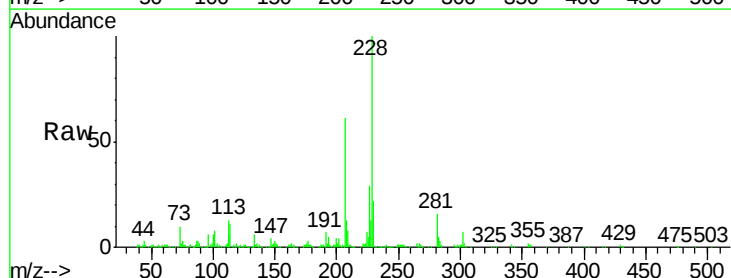
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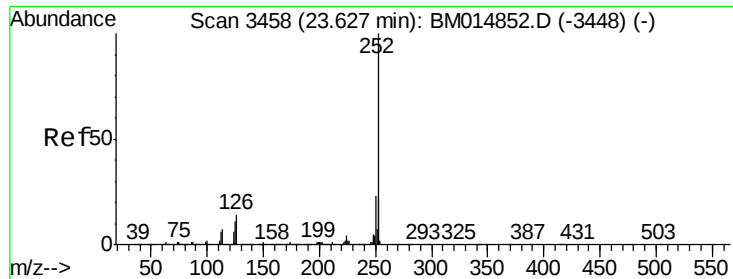
Tgt Ion:149 Resp: 90237  
 Ion Ratio Lower Upper  
 149 100  
 167 24.5 22.8 34.2  
 279 3.6 4.9 7.3#



#82  
 Chrysene  
 Concen: 3.860 ng/ul  
 RT: 21.94 min Scan# 3172  
 Delta R.T. -0.00 min  
 Lab File: BM014855.D  
 Acq: 26 Apr 2018 12:09

Tgt Ion:228 Resp: 332964  
 Ion Ratio Lower Upper  
 228 100  
 226 28.5 23.4 35.2  
 229 21.6 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 2.642 ng/ul

RT: 23.63 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

Instrument :

BNA\_M

ClientSampleId :

DASP6ME

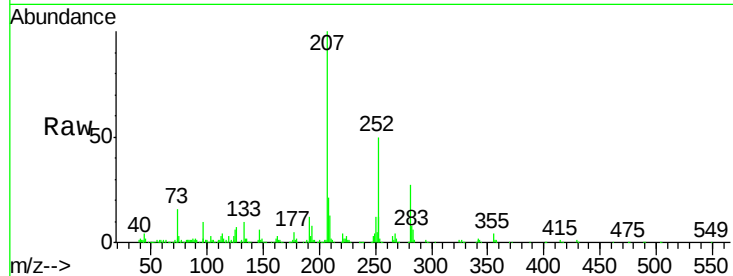
Tgt Ion:252 Resp: 257254

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

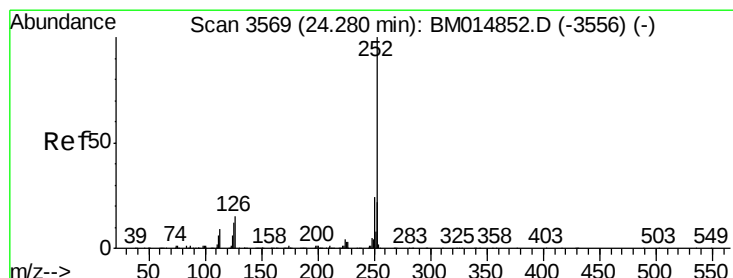
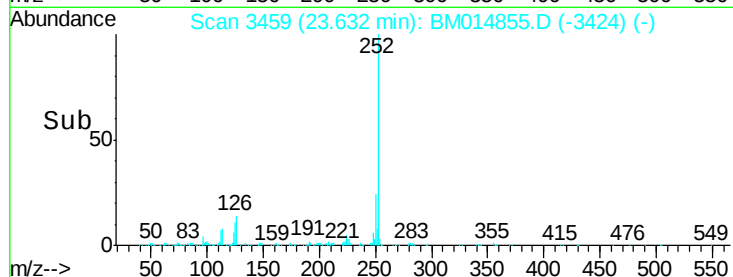
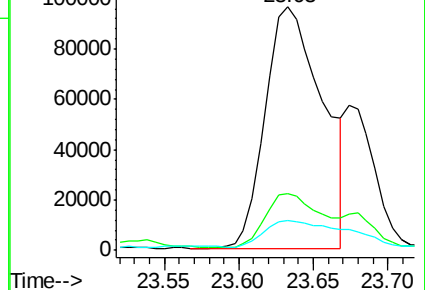
125 12.4 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(a)pyrene

Concen: 1.731 ng/ul

RT: 24.28 min Scan# 3569

Delta R.T. -0.00 min

Lab File: BM014855.D

Acq: 26 Apr 2018 12:09

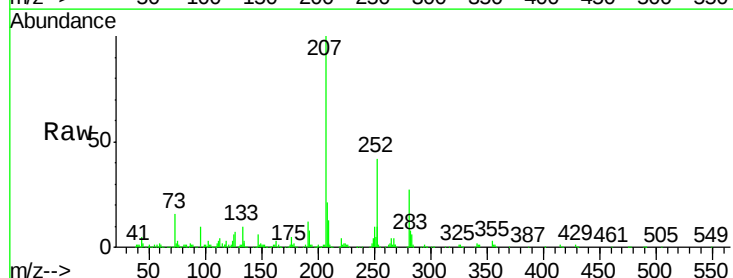
Tgt Ion:252 Resp: 159938

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

125 14.3 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

