

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081215\  
 Data File : BM002326.D  
 Acq On : 11 Aug 2015 17:19  
 Operator : UM/IZ  
 Sample : G3126-01  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9C45

Quant Time: Aug 12 02:24:16 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM080715MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 12 02:22:13 2015  
 Response via : Initial Calibration

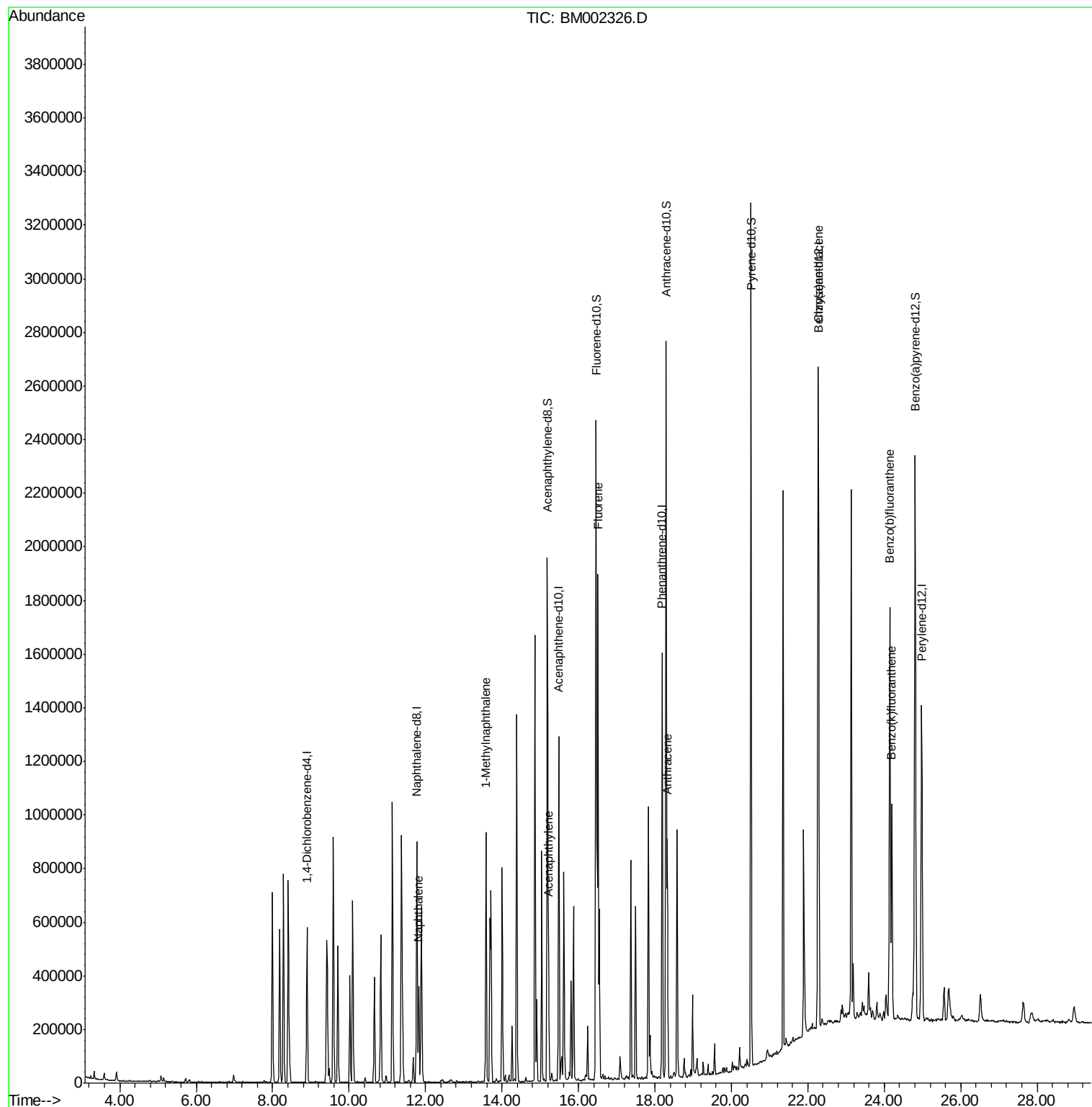
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 167988   | 20.00 | ng/ul | 0.00         |
| 2) Naphthalene-d8           | 11.77 | 136  | 783981   | 20.00 | ng/ul | 0.00         |
| 6) Acenaphthene-d10         | 15.49 | 164  | 434054   | 20.00 | ng/ul | 0.00         |
| 12) Phenanthrene-d10        | 18.19 | 188  | 926238   | 20.00 | ng/ul | 0.00         |
| 17) Chrysene-d12            | 22.29 | 240  | 973677   | 20.00 | ng/ul | 0.00         |
| 22) Perylene-d12            | 24.98 | 264  | 949241   | 20.00 | ng/ul | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 7) Acenaphthylene-d8        | 15.19 | 160  | 1466459  | 32.61 | ng/ul | 0.00         |
| 10) Fluorene-d10            | 16.46 | 176  | 1004405  | 32.12 | ng/ul | 0.00         |
| 14) Anthracene-d10          | 18.29 | 188  | 1521438  | 33.85 | ng/ul | 0.00         |
| 18) Pyrene-d10              | 20.51 | 212  | 1594818  | 33.77 | ng/ul | 0.00         |
| 25) Benzo(a)pyrene-d12      | 24.81 | 264  | 1717071  | 34.07 | ng/ul | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 3) Naphthalene              | 11.82 | 128  | 323977   | 7.85  | ng/ul | Ovalue<br>99 |
| 5) 1-Methylnaphthalene      | 13.58 | 142  | 438184   | 15.08 | ng/ul | 99           |
| 8) Acenaphthylene           | 15.22 | 152  | 303101   | 6.49  | ng/ul | 99           |
| 11) Fluorene                | 16.51 | 166  | 856097   | 24.21 | ng/ul | 99           |
| 15) Anthracene              | 18.33 | 178  | 553568   | 10.05 | ng/ul | 100          |
| 20) Benzo(a)anthracene      | 22.27 | 228  | 1086913  | 18.29 | ng/ul | 100          |
| 23) Benzo(b)fluoranthene    | 24.14 | 252  | 1230192  | 20.85 | ng/ul | 99           |
| 24) Benzo(k)fluoranthene    | 24.20 | 252  | 592313   | 10.45 | ng/ul | 100          |

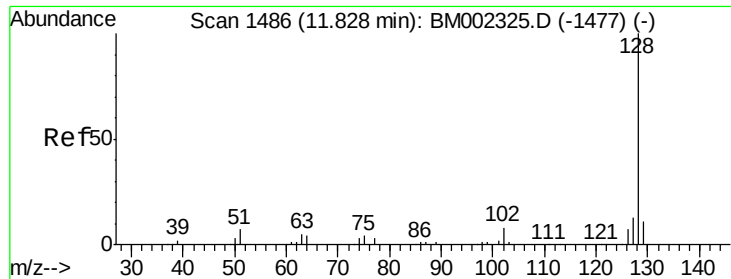
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 7.85 ng/ul

RT: 11.82 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

Instrument :

BNA\_M

ClientSampleId :

D9C45

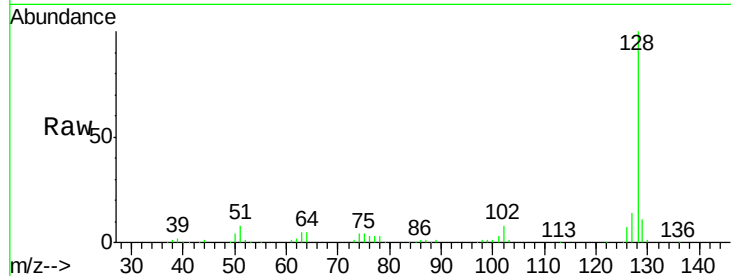
Tot Ion:128 Resp: 323977

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

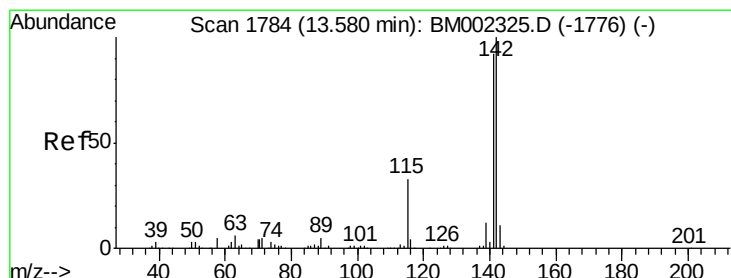
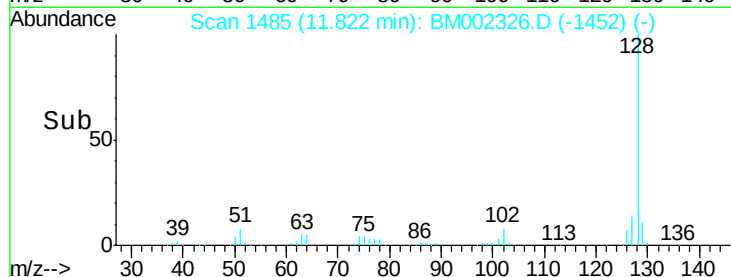
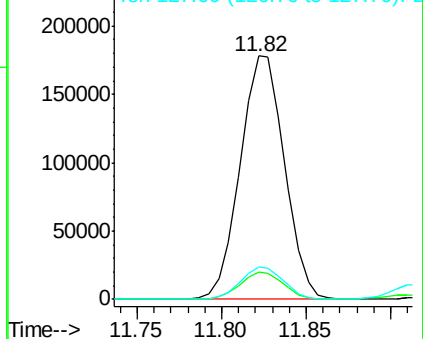
127 13.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

1-Methylnaphthalene

Concen: 15.08 ng/ul

RT: 13.58 min Scan# 1784

Delta R.T. 0.00 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

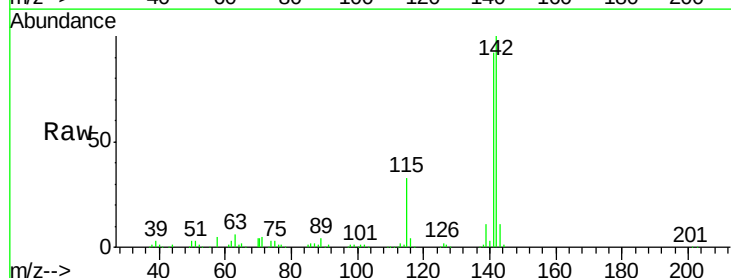
Tgt Ion:142 Resp: 438184

Ion Ratio Lower Upper

142 100

141 92.0 74.5 111.7

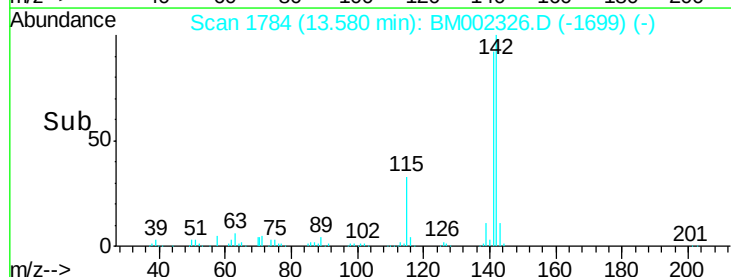
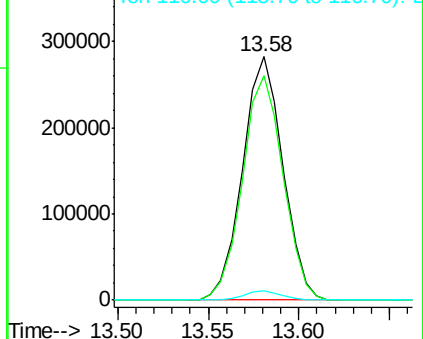
116 3.6 3.0 4.4

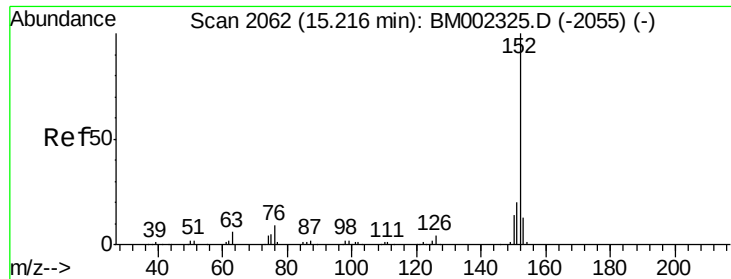


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#8

Acenaphthylene

Concen: 6.49 ng/ul

RT: 15.22 min Scan# 2062

Delta R.T. 0.00 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

Instrument :

BNA\_M

ClientSampleId :

D9C45

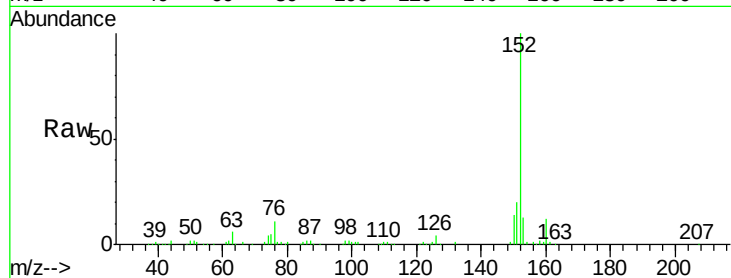
Tot Ion:152 Resp: 303101

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

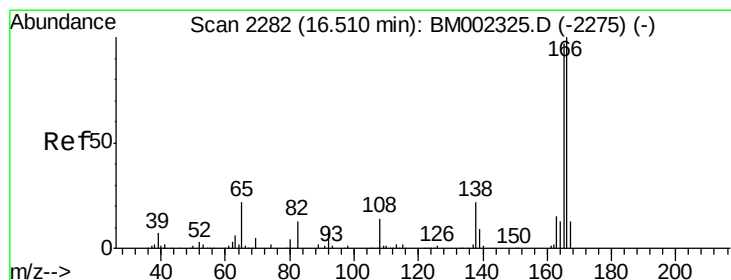
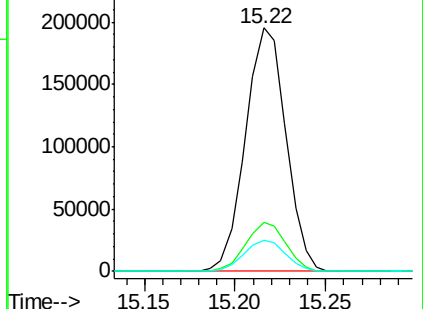
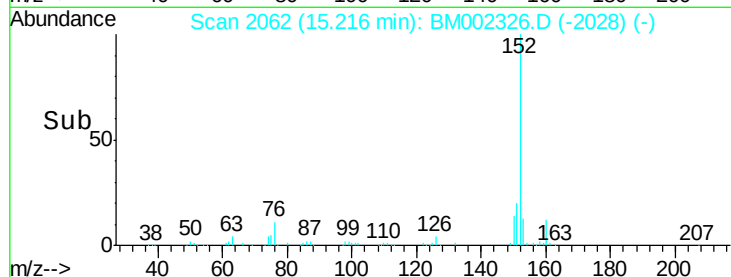
153 13.0 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Fluorene

Concen: 24.21 ng/ul

RT: 16.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

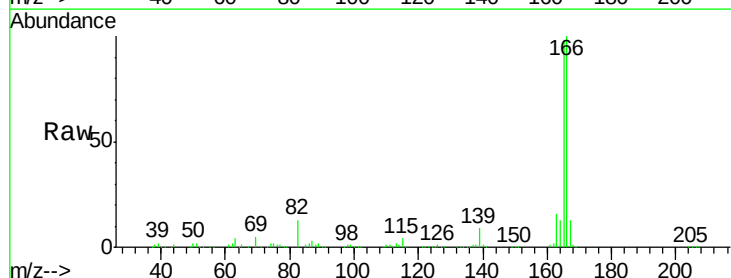
Tgt Ion:166 Resp: 856097

Ion Ratio Lower Upper

166 100

165 98.1 77.5 116.3

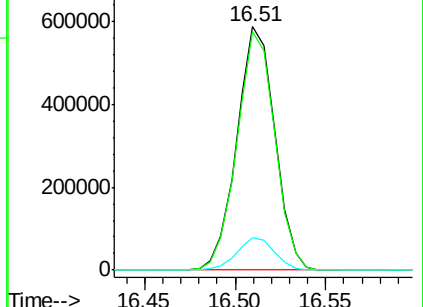
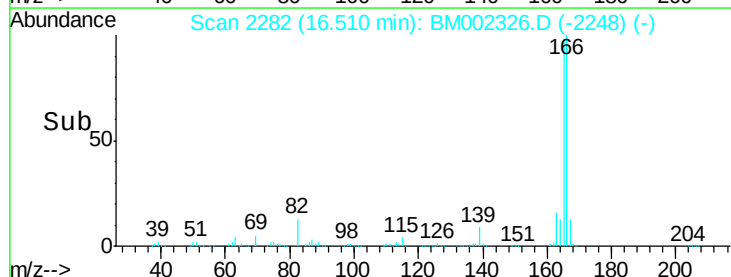
167 13.1 10.4 15.6

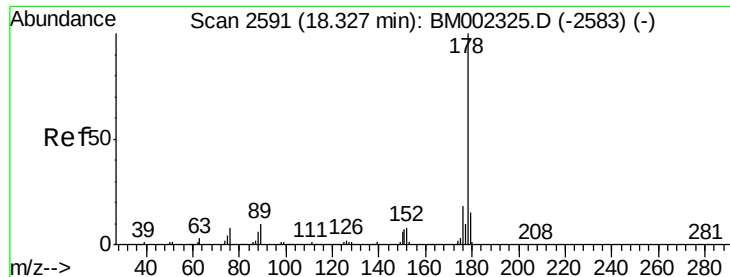


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

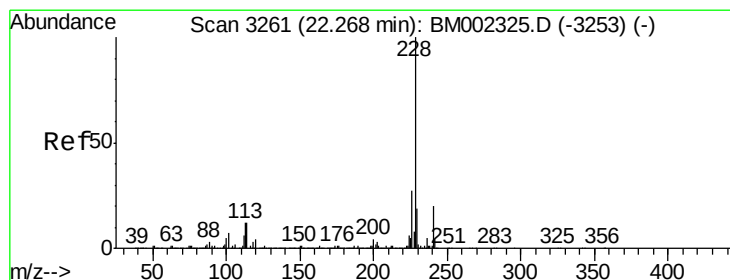
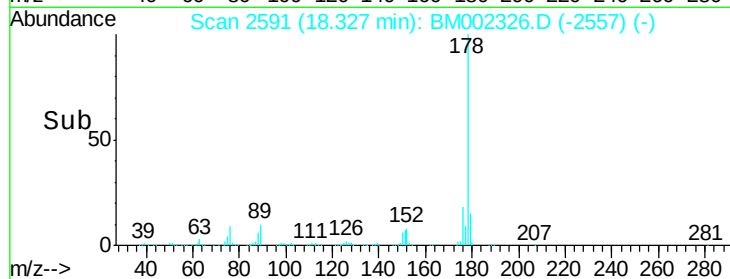
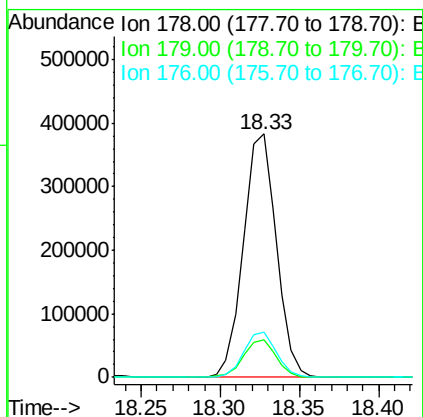
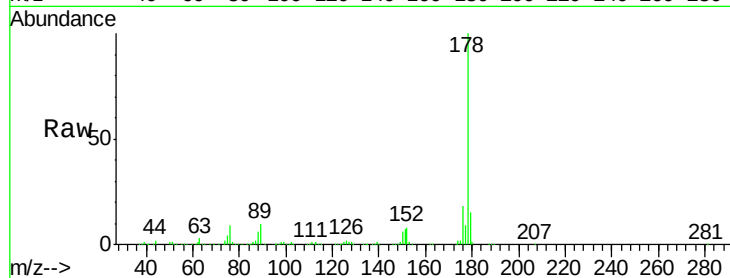




#15  
 Anthracene  
 Concen: 10.05 ng/ul  
 RT: 18.33 min Scan# 2591  
 Delta R.T. 0.00 min  
 Lab File: BM002326.D  
 Acq: 11 Aug 2015 17:19

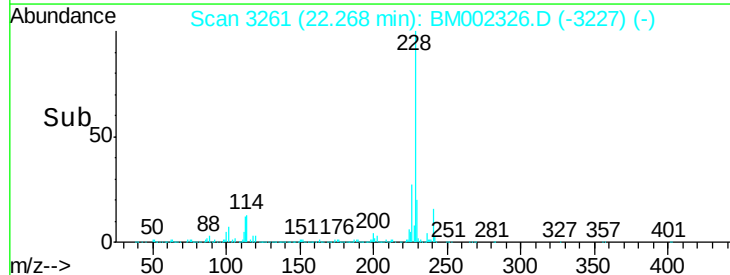
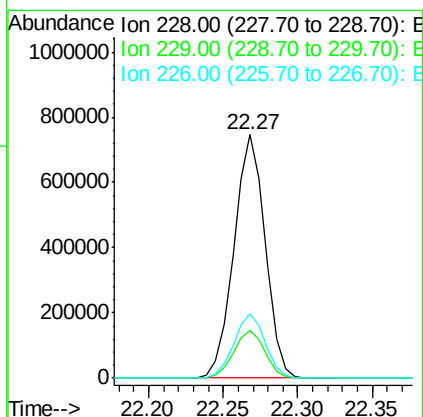
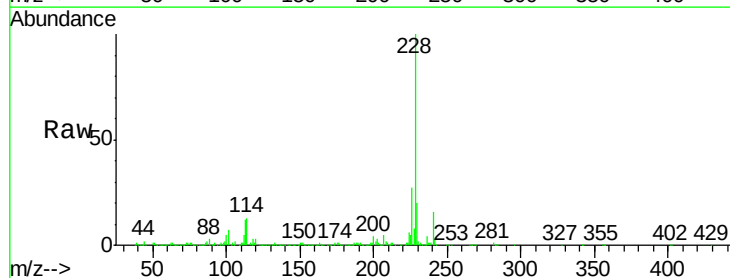
Instrument :  
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 D9C45

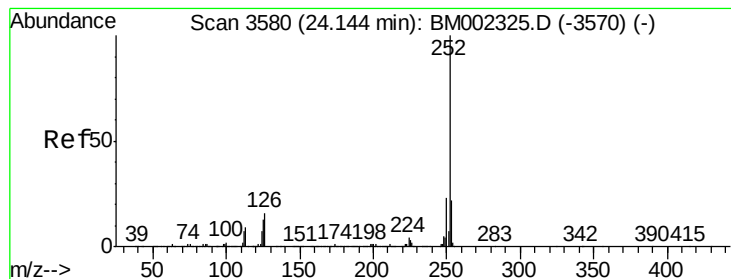
Tot Ion:178 Resp: 553568  
 Ion Ratio Lower Upper  
 178 100  
 179 15.3 12.3 18.5  
 176 18.4 14.5 21.7



#20  
 Benzo(a)anthracene  
 Concen: 18.29 ng/ul  
 RT: 22.27 min Scan# 3261  
 Delta R.T. 0.00 min  
 Lab File: BM002326.D  
 Acq: 11 Aug 2015 17:19

Tgt Ion:228 Resp: 1086913  
 Ion Ratio Lower Upper  
 228 100  
 229 19.6 15.7 23.5  
 226 26.7 21.4 32.0





#23

Benzo(b)fluoranthene

Concen: 20.85 ng/ul

RT: 24.14 min Scan# 3580

Delta R.T. 0.00 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

Instrument :

BNA\_M

ClientSampleId :

D9C45

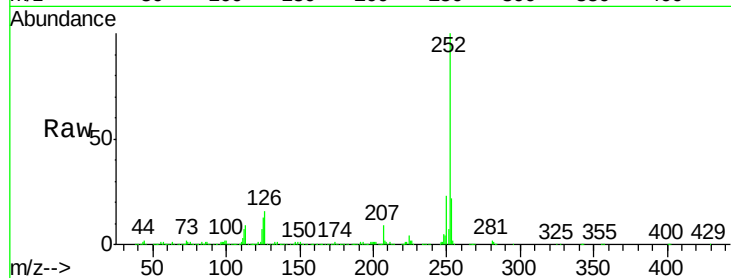
Tot Ion:252 Resp: 1230192

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

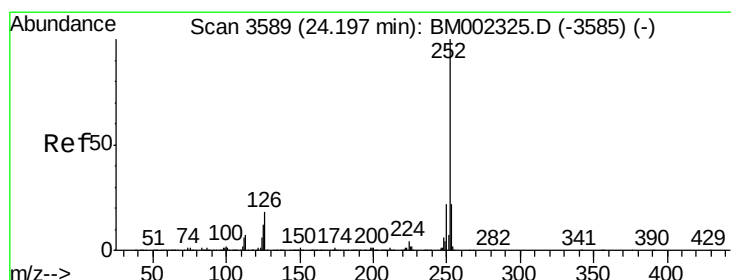
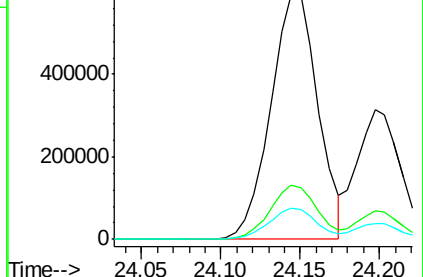
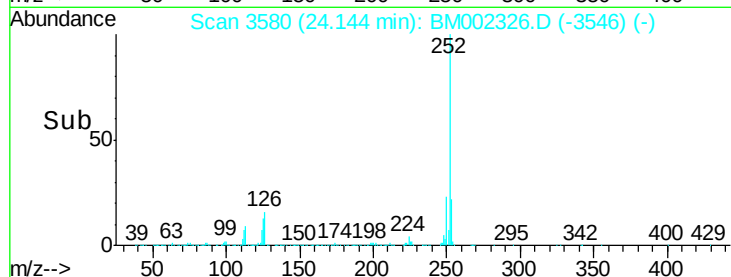
125 13.0 10.3 15.5



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



#24

Benzo(k)fluoranthene

Concen: 10.45 ng/ul

RT: 24.20 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BM002326.D

Acq: 11 Aug 2015 17:19

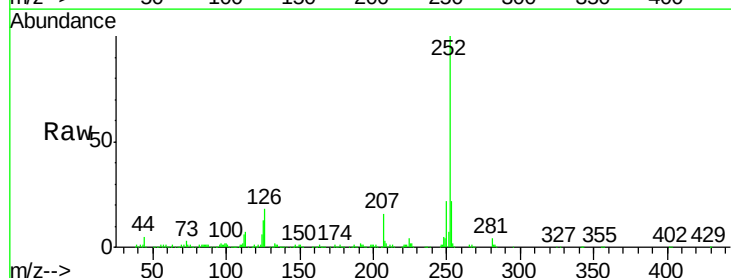
Tgt Ion:252 Resp: 592313

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 12.5 10.2 15.4



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

