

Data File : BM021902.D  
Acq On : 07 Aug 2019 18:53  
Operator : HP/JU  
Sample : k4029-08  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
BENX9

Quant Time: Aug 08 04:42:15 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-SIM-BM080319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 08 04:39:13 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.63  | 152  | 797      | 0.40 | ng/ul | 0.00     |
| 2) Naphthalene-d8         | 10.40 | 136  | 3439     | 0.40 | ng/ul | -0.01    |
| 6) Acenaphthene-d10       | 14.28 | 164  | 1924     | 0.40 | ng/ul | 0.00     |
| 10) Phenanthrene-d10      | 17.13 | 188  | 395318   | 0.40 | ng/ul | 0.09     |
| 16) Chrysene-d12          | 0.00  | 240  | 0        | 0.00 | ng/ul | -21.24   |
| 20) Perylene-d12          | 23.31 | 264  | 466275   | 0.40 | ng/ul | -0.15    |

|                             |       |     |      |      |       |      |
|-----------------------------|-------|-----|------|------|-------|------|
| System Monitoring Compounds |       |     |      |      |       |      |
| 4) 2-Methylnaphthalene-d10  | 12.01 | 152 | 1994 | 0.35 | ng/ul | 0.00 |
| 14) Fluoranthene-d10        | 0.00  | 212 | 0    | 0.00 | ng/ul |      |

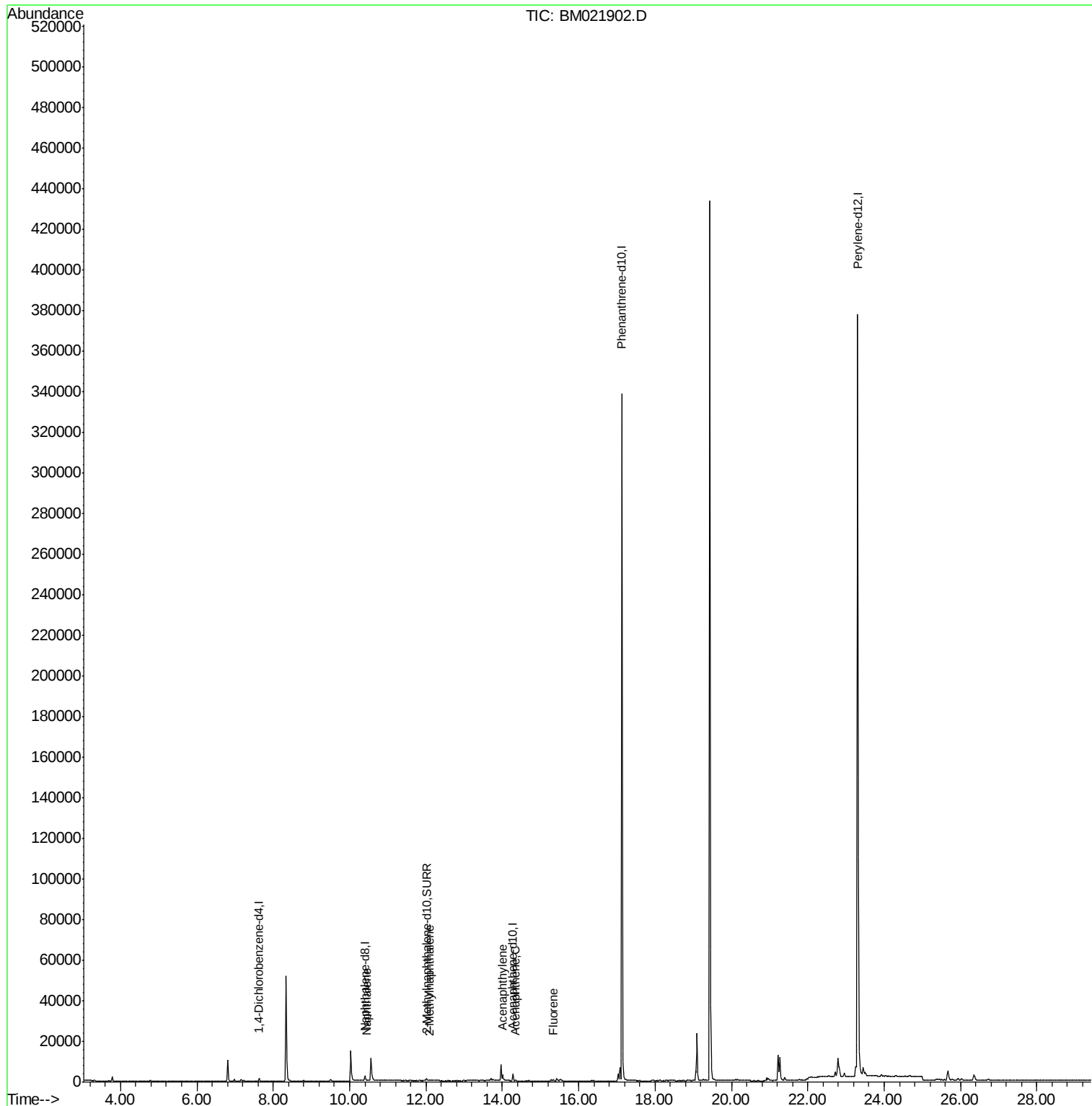
|                        |       |     |      |        |        |    |
|------------------------|-------|-----|------|--------|--------|----|
| Target Compounds       |       |     |      | Qvalue |        |    |
| 3) Naphthalene         | 10.45 | 128 | 387  | 0.040  | ng/ul# | 65 |
| 5) 2-Methylnaphthalene | 12.09 | 142 | 190  | 0.029  | ng/ul  | 91 |
| 7) Acenaphthylene      | 14.00 | 152 | 1187 | 0.132  | ng/ul# | 82 |
| 8) Acenaphthene        | 14.34 | 153 | 264  | 0.036  | ng/ul# | 93 |
| 9) Fluorene            | 15.34 | 166 | 366  | 0.045  | ng/ul# | 94 |

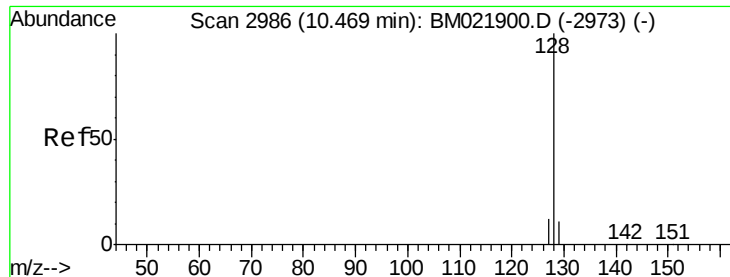
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.040 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.02 min

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Instrument :

BNA\_M

ClientSampleId :

BENX9

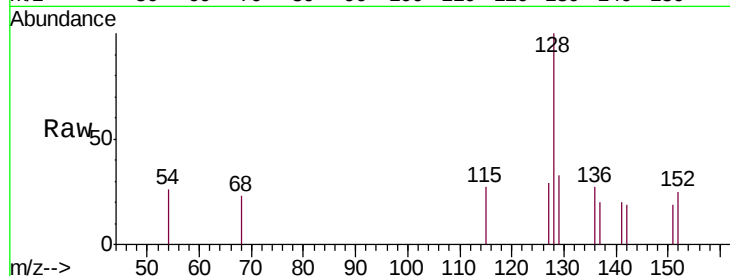
Tgt Ion:128 Resp: 387

Ion Ratio Lower Upper

128 100

129 32.7 12.3 18.5#

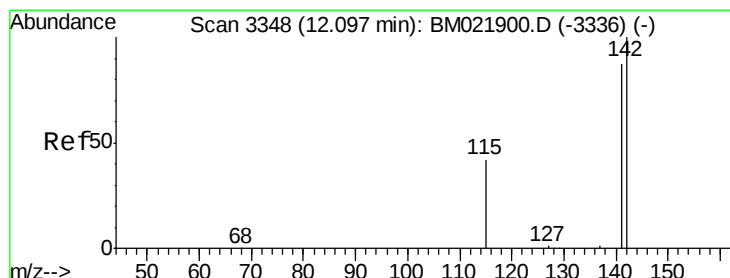
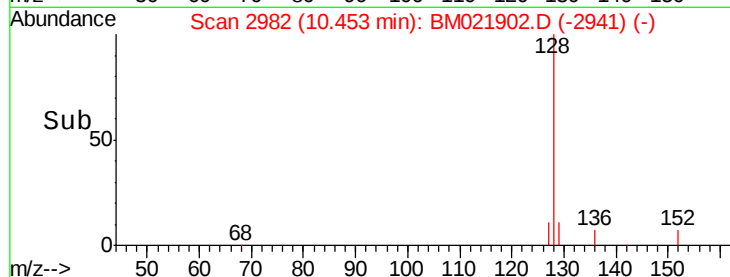
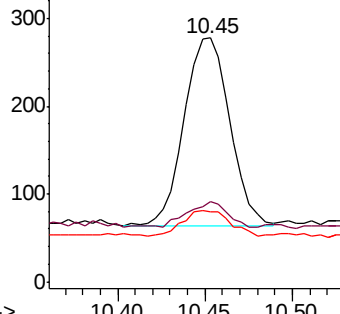
127 28.8 13.0 19.6#



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

2-Methylnaphthalene

Concen: 0.029 ng/ul

RT: 12.09 min Scan# 3346

Delta R.T. -0.01 min

Lab File: BM021902.D

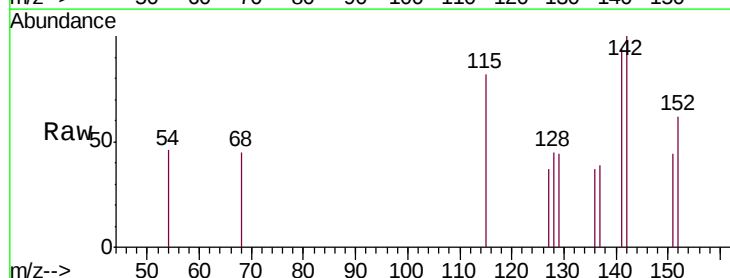
Acq: 07 Aug 2019 18:53

Tgt Ion:142 Resp: 190

Ion Ratio Lower Upper

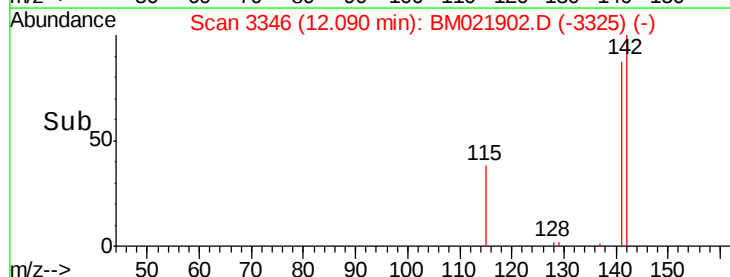
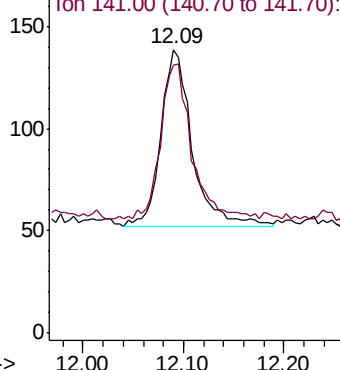
142 100

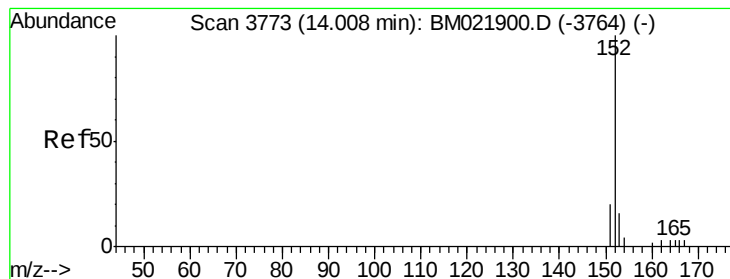
141 84.2 74.3 111.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.132 ng/ul

RT: 14.00 min Scan# 3771

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

BENX9

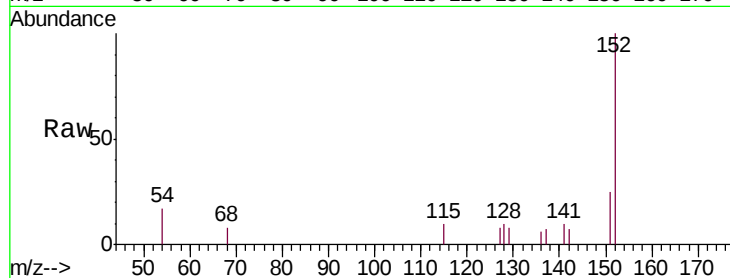
Tgt Ion:152 Resp: 1187

Ion Ratio Lower Upper

152 100

151 25.0 18.3 27.5

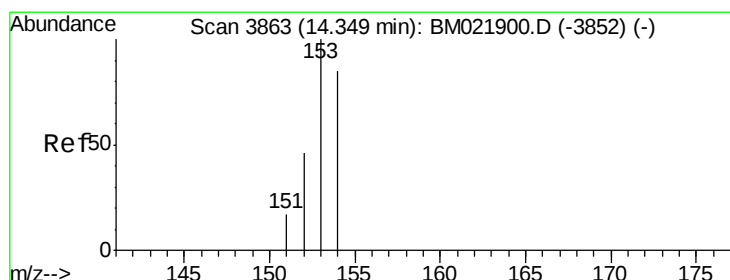
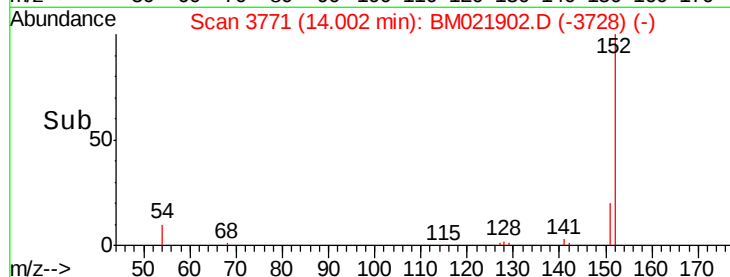
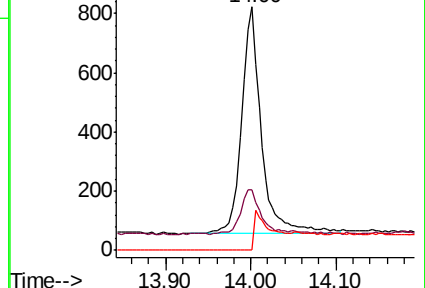
153 0.0 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.036 ng/ul

RT: 14.34 min Scan# 3860

Delta R.T. -0.01 min

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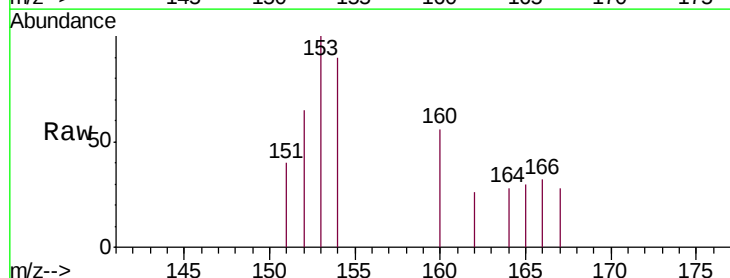
Tgt Ion:153 Resp: 264

Ion Ratio Lower Upper

153 100

152 65.0 41.3 61.9#

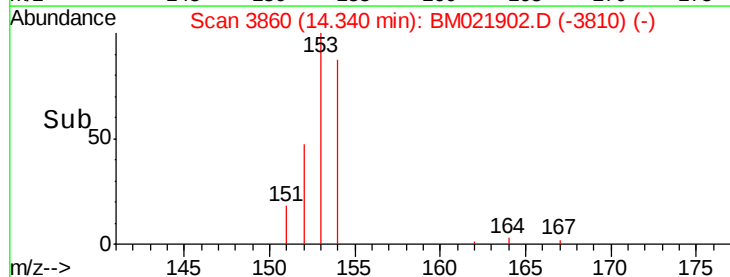
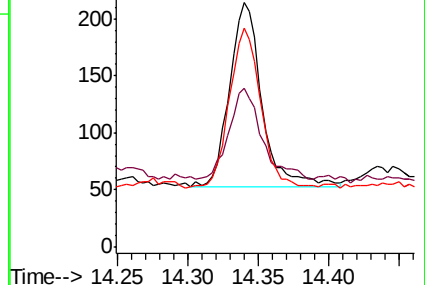
154 89.7 72.3 108.5

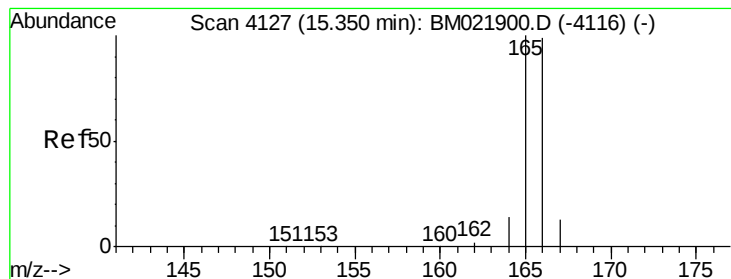


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.045 ng/ul

RT: 15.34 min Scan# 4123

Delta R.T. -0.01 min

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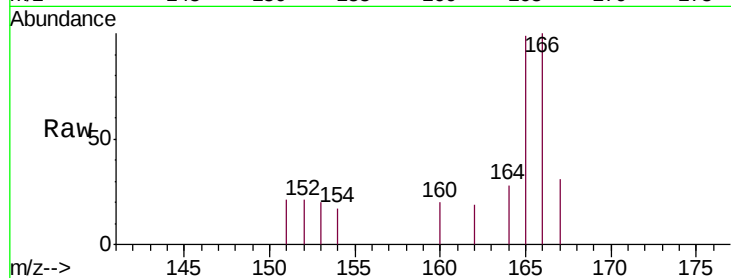
Tgt Ion:166 Resp: 366

Ion Ratio Lower Upper

166 100

165 99.3 81.4 122.0

167 30.6 13.7 20.5#



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

