

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090819\  
 Data File : BM022598.D  
 Acq On : 09 Sep 2019 11:11  
 Operator : HP/JU  
 Sample : K4706-08  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BF574

Quant Time: Sep 09 13:22:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM090519MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Sep 09 07:45:00 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 359754   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.65 | 136  | 1621779  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.49 | 164  | 1055351  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.22 | 188  | 2204065  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.40 | 240  | 2373817  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.69 | 264  | 2762019  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 46164   | 5.35  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.01  | 99  | 247661  | 7.46  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.18  | 67  | 500310  | 26.31 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.39  | 132 | 608806  | 23.23 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.55  | 113 | 436550  | 16.18 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 353618  | 30.22 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.73  | 143 | 360363  | 33.40 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.26 | 165 | 707102  | 25.81 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 66331   | 1.83  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.89 | 166 | 2522135 | 29.49 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.18 | 160 | 2809660 | 27.44 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.66 | 143 | 119633  | 8.19  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.47 | 176 | 2157903 | 30.14 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 309775  | 30.92 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.32 | 188 | 3539132 | 31.35 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.61 | 212 | 4147818 | 31.49 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.54 | 264 | 4837939 | 32.59 | ng/ul | 0.00 |

## Target Compounds

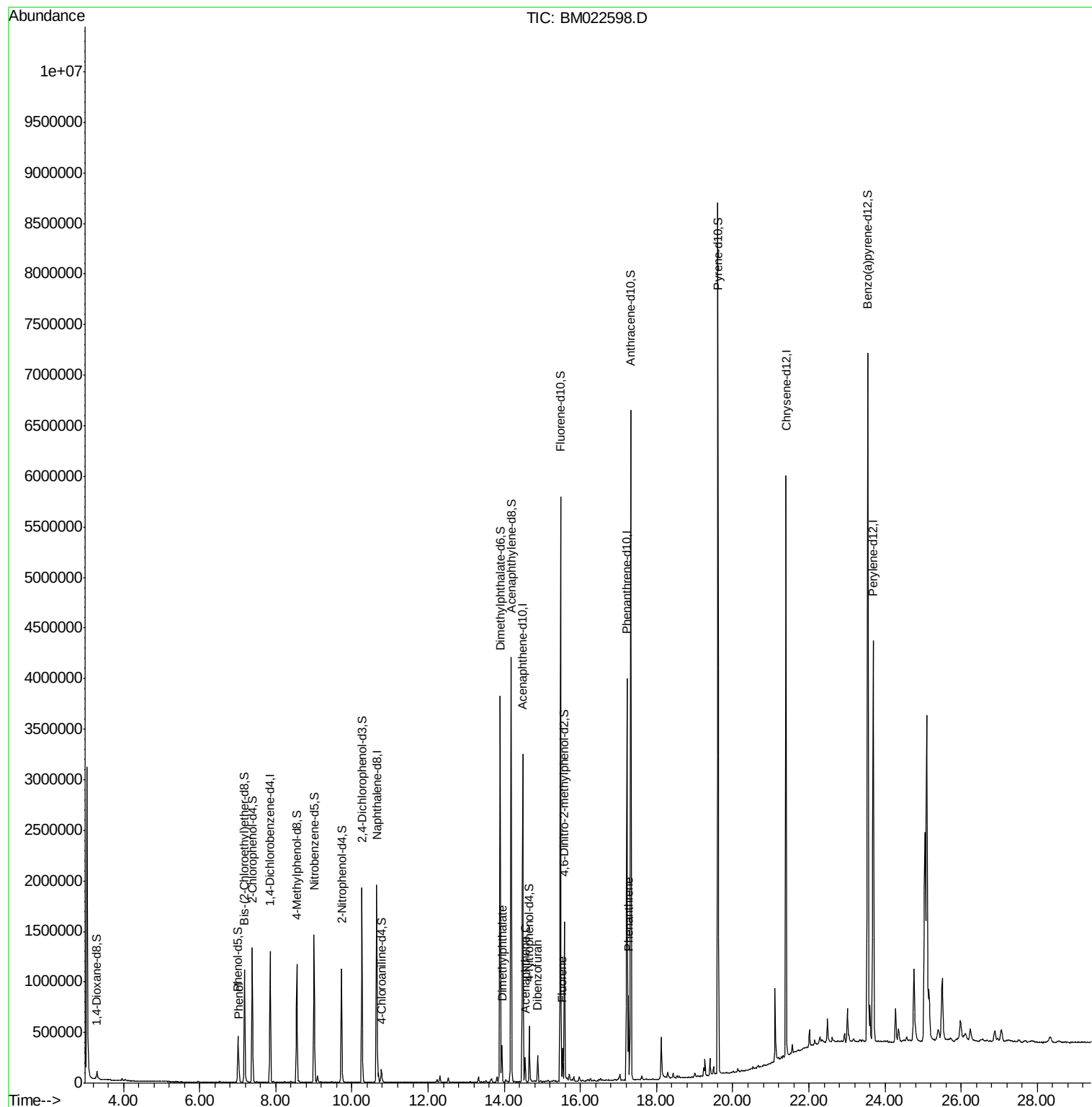
|                       |       |     |        |       | Ovalue    |
|-----------------------|-------|-----|--------|-------|-----------|
| 6) Phenol             | 7.03  | 94  | 65182  | 1.880 | ng/ul 99  |
| 45) Dimethylphthalate | 13.94 | 163 | 222691 | 2.565 | ng/ul 100 |
| 50) Acenaphthene      | 14.55 | 153 | 98990  | 1.345 | ng/ul 99  |
| 54) Dibenzofuran      | 14.88 | 168 | 154341 | 1.511 | ng/ul 99  |
| 59) Fluorene          | 15.53 | 166 | 140487 | 1.672 | ng/ul 100 |
| 70) Phenanthrene      | 17.26 | 178 | 470396 | 3.486 | ng/ul 99  |

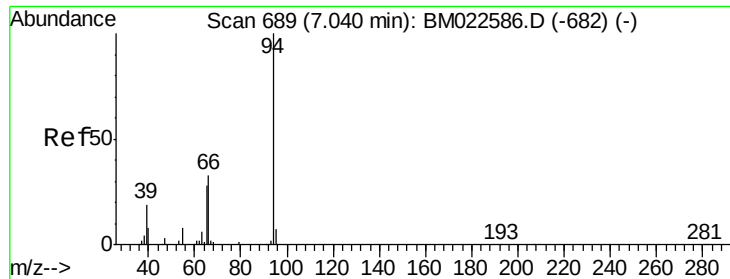
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 1.880 ng/ul

RT: 7.03 min Scan# 688

Delta R.T. -0.01 min

Lab File: BM022598.D

Acq: 09 Sep 2019 11:11

Instrument :

BNA\_M

ClientSampled :

BF574

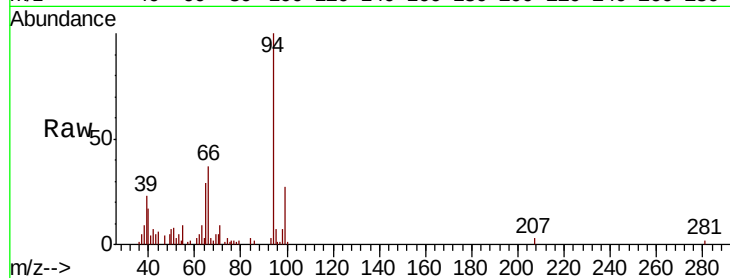
Tot Ion: 94 Resp: 65182

Ion Ratio Lower Upper

94 100

65 28.5 22.8 34.2

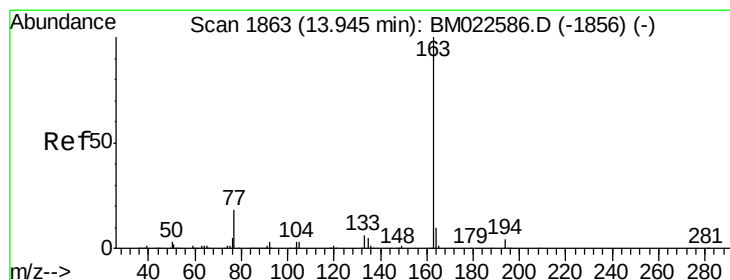
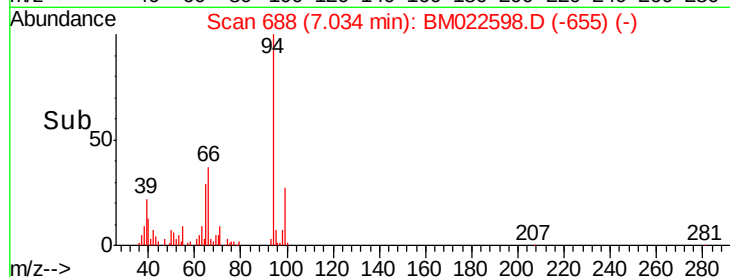
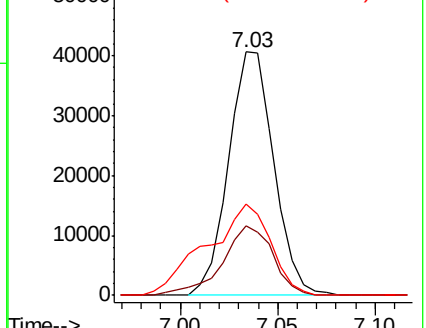
66 37.4 29.1 43.7



Abundance Ion 94.00 (93.70 to 94.70): BM022586.D (-682) (-)

Ion 65.00 (64.70 to 65.70): BM022586.D (-682) (-)

Ion 66.00 (65.70 to 66.70): BM022586.D (-682) (-)



#45

Dimethylphthalate

Concen: 2.565 ng/ul

RT: 13.94 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BM022598.D

Acq: 09 Sep 2019 11:11

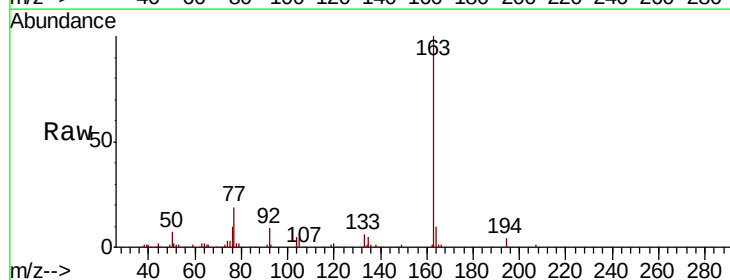
Tgt Ion: 163 Resp: 222691

Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

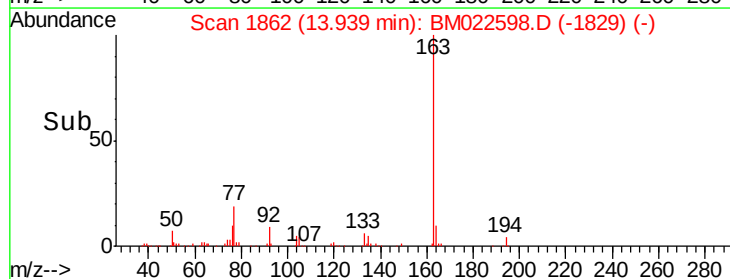
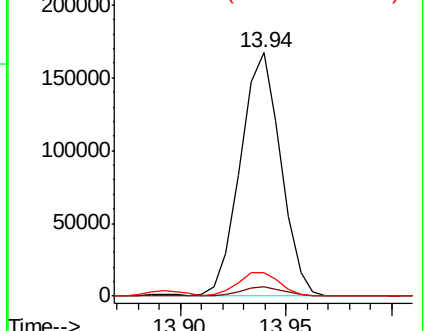
164 9.8 7.8 11.8

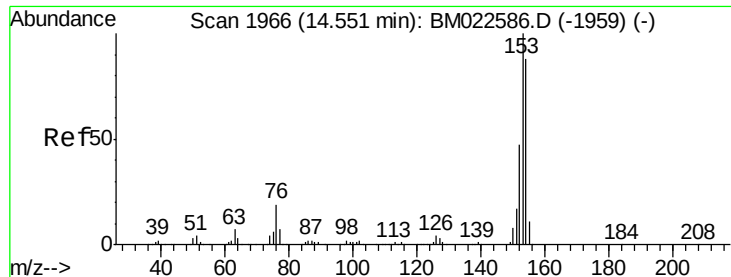


Abundance Ion 163.00 (162.70 to 163.70): BM022586.D (-1856) (-)

Ion 194.00 (193.70 to 194.70): BM022586.D (-1856) (-)

Ion 164.00 (163.70 to 164.70): BM022586.D (-1856) (-)





#50

Acenaphthene

Concen: 1.345 ng/ul

RT: 14.55 min Scan# 1965

Delta R.T. -0.01 min

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ClientSampleId :

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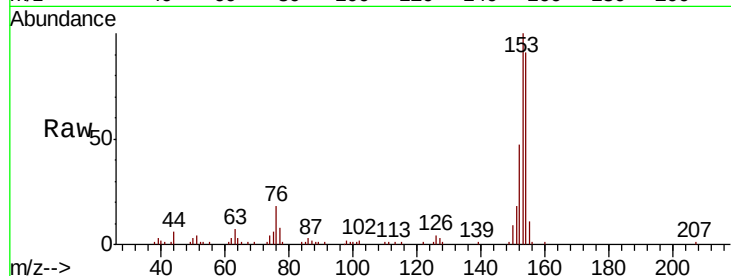
Tot Ion:153 Resp: 98990

Ion Ratio Lower Upper

153 100

152 47.5 37.5 56.3

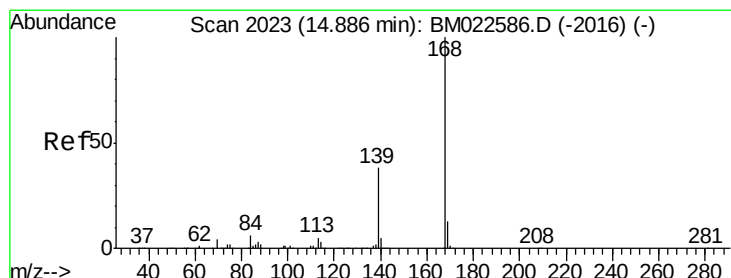
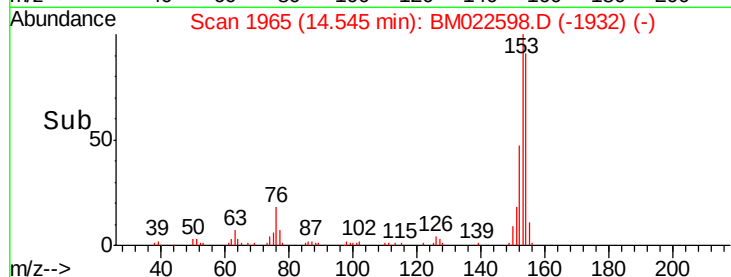
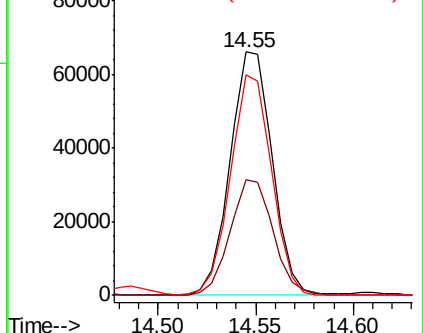
154 90.7 71.4 107.0



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



#54

Dibenzofuran

Concen: 1.511 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BM022598.D

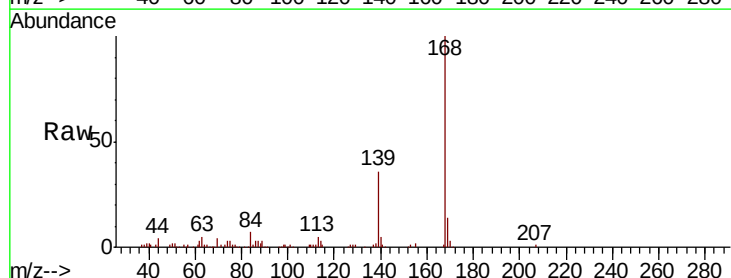
Acq: 09 Sep 2019 11:11

Tgt Ion:168 Resp: 154341

Ion Ratio Lower Upper

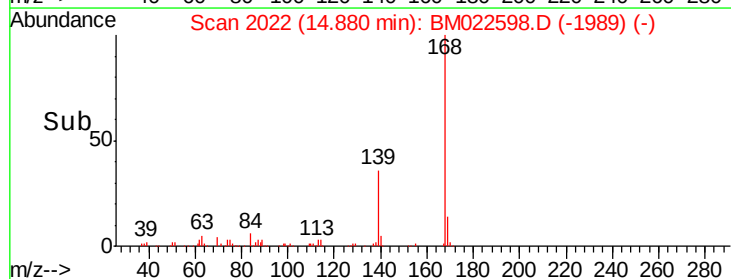
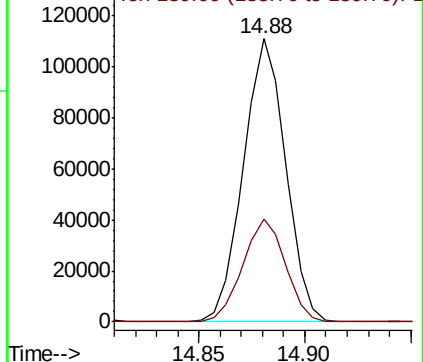
168 100

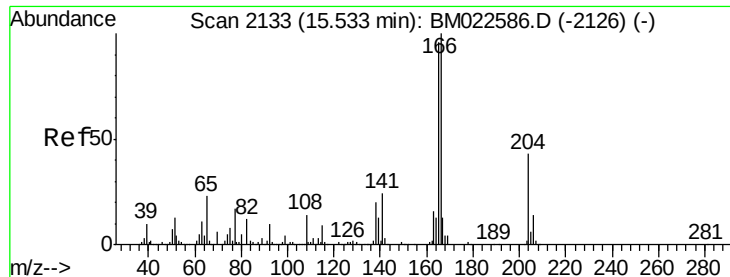
139 36.3 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 1.672 ng/ul

RT: 15.53 min Scan# 2132

Delta R.T. -0.01 min

Lab File: BM022598.D

Acq: 09 Sep 2019 11:11

Instrument :

BNA\_M

ClientSampleId :

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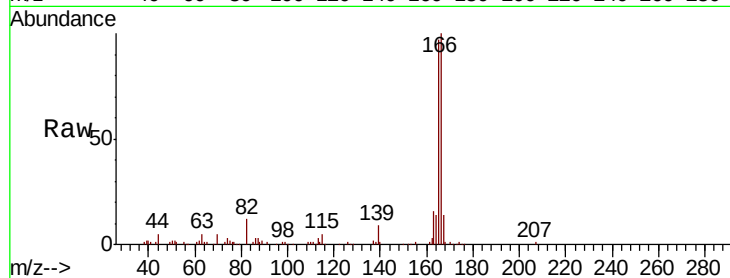
Tot Ion:166 Resp: 140487

Ion Ratio Lower Upper

166 100

165 97.5 77.8 116.8

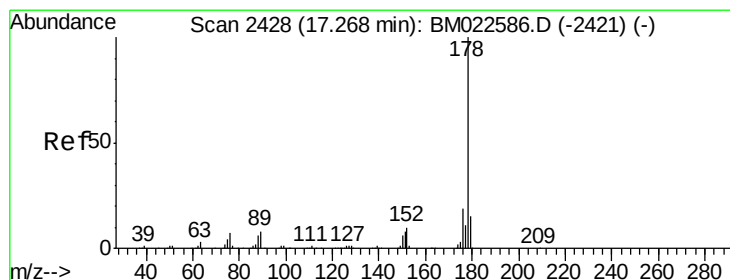
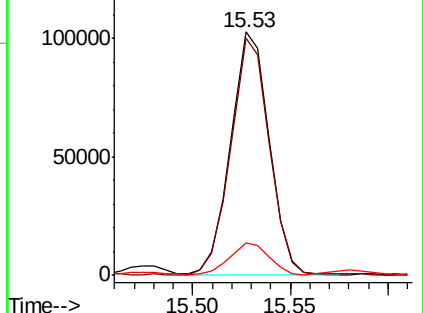
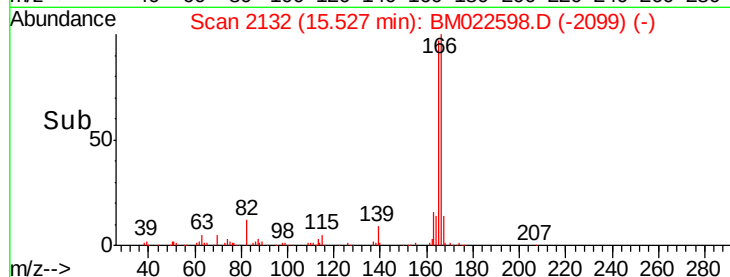
167 13.6 10.9 16.3



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



#70

Phenanthrene

Concen: 3.486 ng/ul

RT: 17.26 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BM022598.D

Acq: 09 Sep 2019 11:11

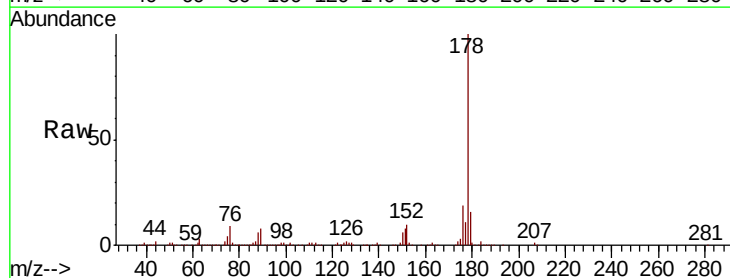
Tgt Ion:178 Resp: 470396

Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

176 19.1 15.4 23.0



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

