

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\  
 Data File : BM023044.D  
 Acq On : 08 Oct 2019 14:23  
 Operator : JU  
 Sample : K5056-12MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBAE9MS

Quant Time: Oct 08 15:09:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 08 15:02:34 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 159973   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 665200   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.41 | 164  | 384243   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.15 | 188  | 778515   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 793036   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.59 | 264  | 932933   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 22863   | 6.18  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 416376  | 29.46 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.11  | 67  | 249282  | 32.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.31  | 132 | 352605  | 30.98 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.48  | 113 | 331832  | 28.67 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 169264  | 32.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 166961  | 29.78 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 325873  | 29.20 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 395791  | 29.19 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.82 | 166 | 882707  | 29.60 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.10 | 160 | 1140672 | 33.13 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.61 | 143 | 142862  | 24.25 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.40 | 176 | 819635  | 32.25 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 105269  | 20.78 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.25 | 188 | 1232998 | 32.43 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.54 | 212 | 1386075 | 32.47 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.44 | 264 | 1589794 | 32.94 | ng/ul | 0.00 |

## Target Compounds

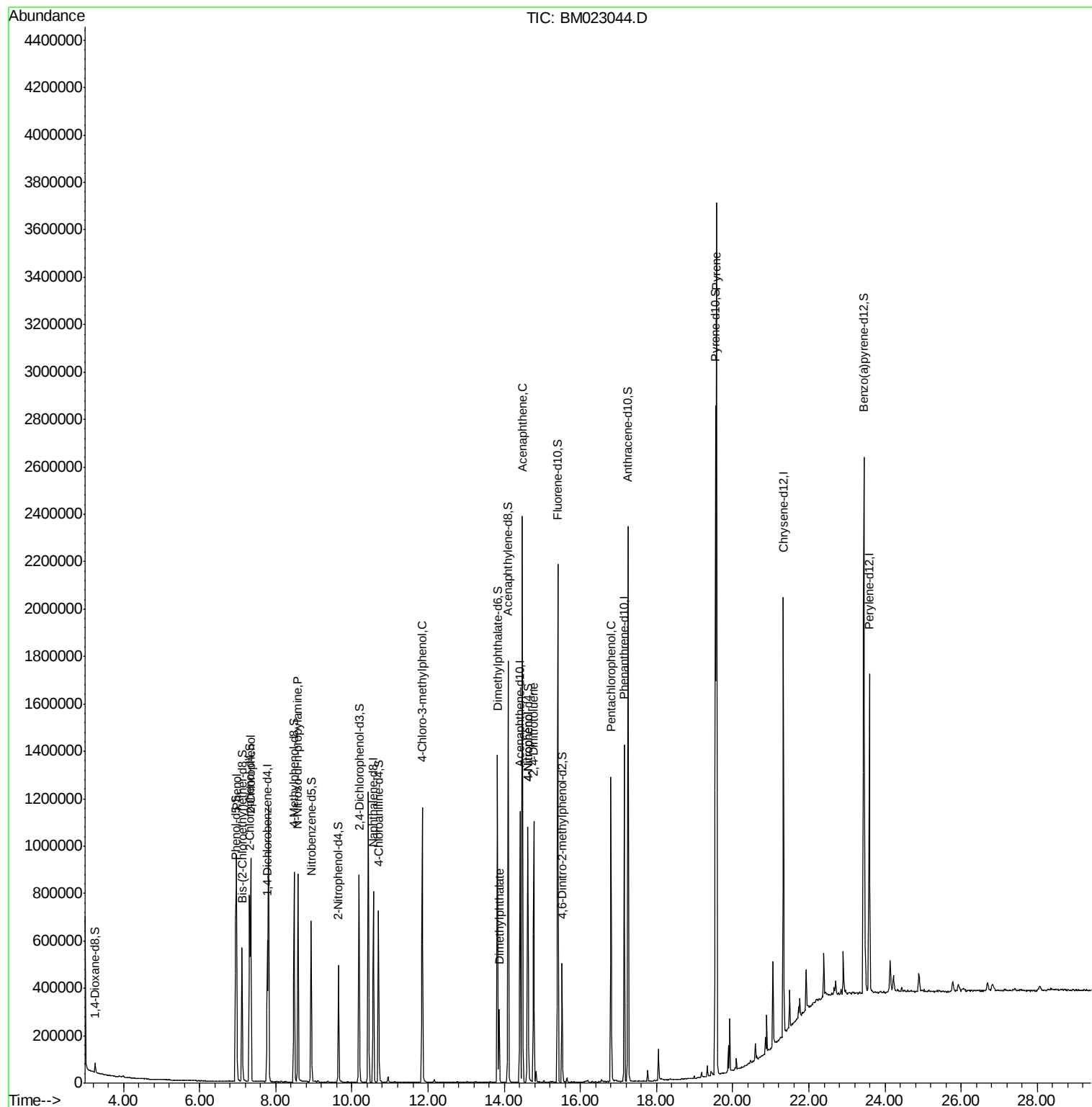
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.97  | 94  | 513039  | 34.624 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.34  | 128 | 419145  | 34.329 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.58  | 70  | 311418  | 34.273 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.85 | 107 | 388954  | 33.441 | ng/ul 99  |
| 45) Dimethylphthalate          | 13.87 | 163 | 196391  | 6.411  | ng/ul 99  |
| 50) Acenaphthene               | 14.47 | 153 | 966279  | 37.318 | ng/ul 99  |
| 53) 4-Nitrophenol              | 14.62 | 109 | 149942  | 34.819 | ng/ul 98  |
| 55) 2,4-Dinitrotoluene         | 14.77 | 165 | 317046  | 35.180 | ng/ul 100 |
| 69) Pentachlorophenol          | 16.80 | 266 | 219899  | 32.370 | ng/ul 97  |
| 80) Pyrene                     | 19.57 | 202 | 2133243 | 37.947 | ng/ul 97  |

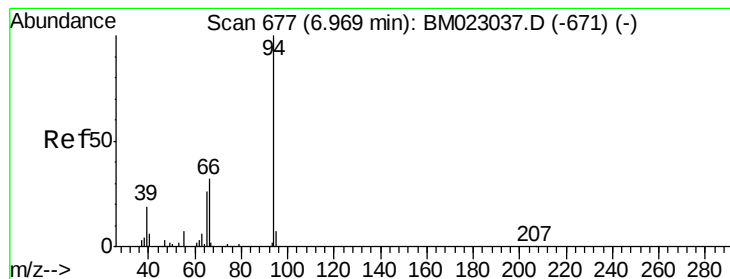
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 34.624 ng/ul

RT: 6.97 min Scan# 677

Delta R.T. 0.00 min

Lab File: BM023044.D

Acq: 08 Oct 2019 14:23

Instrument :

BNA\_M

ClientSampleId :

DBAE9MS

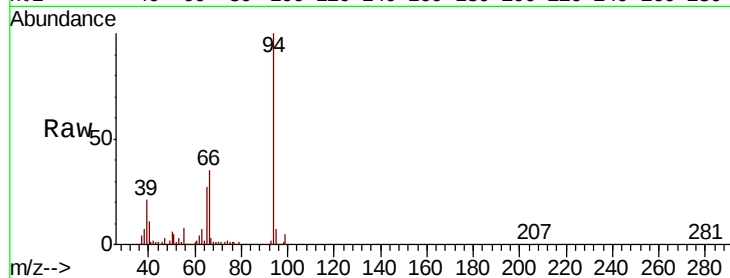
Tot Ion: 94 Resp: 513039

Ion Ratio Lower Upper

94 100

65 26.8 20.9 31.3

66 34.5 27.2 40.8



Abundance Ion 94.00 (93.70 to 94.70): BM023037.D (-671) (-)

Ion 65.00 (64.70 to 65.70): BM023037.D (-671) (-)

Ion 66.00 (65.70 to 66.70): BM023037.D (-671) (-)

6.97

400000

300000

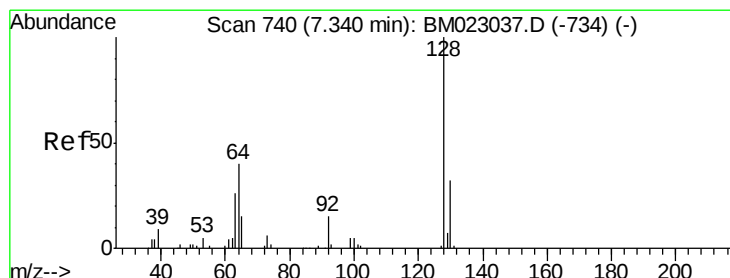
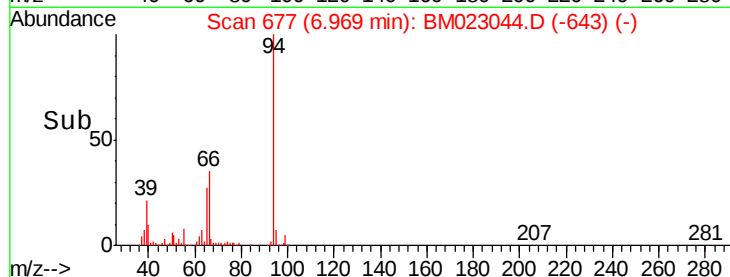
200000

100000

0

6.90 7.00 7.10

Time-->



#10

2-Chlorophenol

Concen: 34.329 ng/ul

RT: 7.34 min Scan# 740

Delta R.T. 0.00 min

Lab File: BM023044.D

Acq: 08 Oct 2019 14:23

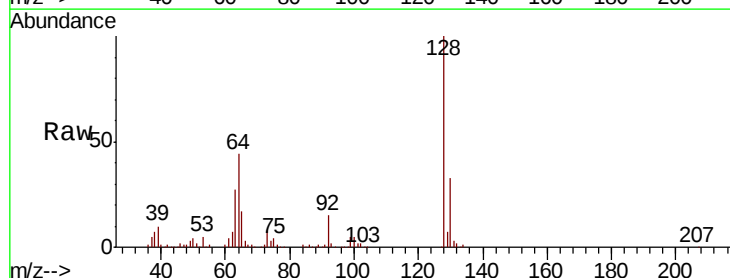
Tgt Ion:128 Resp: 419145

Ion Ratio Lower Upper

128 100

64 43.8 34.1 51.1

130 32.5 26.0 39.0



Abundance Ion 128.00 (127.70 to 128.70): BM023037.D (-734) (-)

Ion 64.00 (63.70 to 64.70): BM023037.D (-734) (-)

Ion 130.00 (129.70 to 130.70): BM023037.D (-734) (-)

7.34

300000

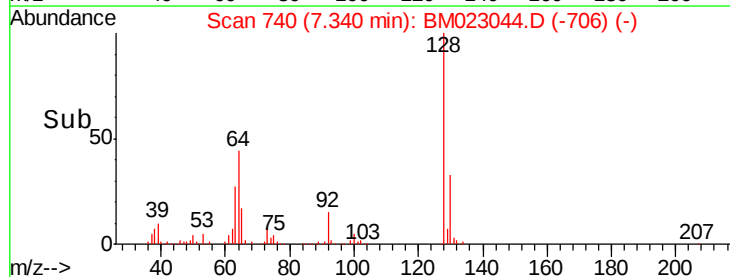
200000

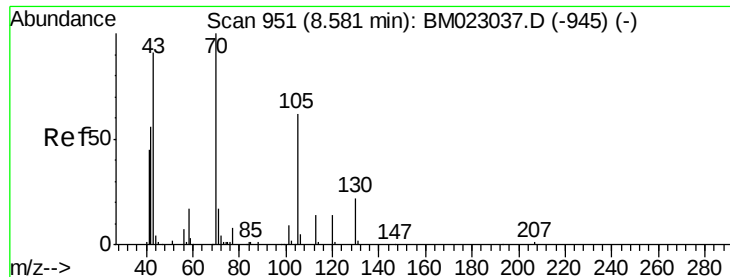
100000

0

7.25 7.30 7.35 7.40 7.45

Time-->

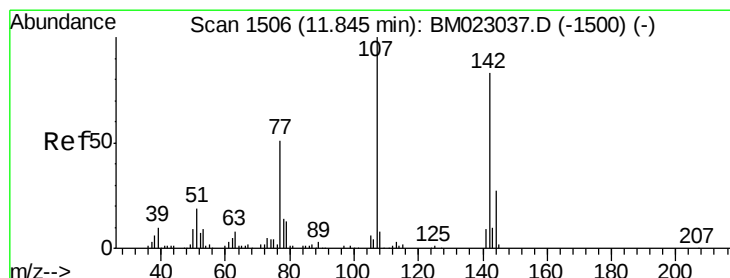
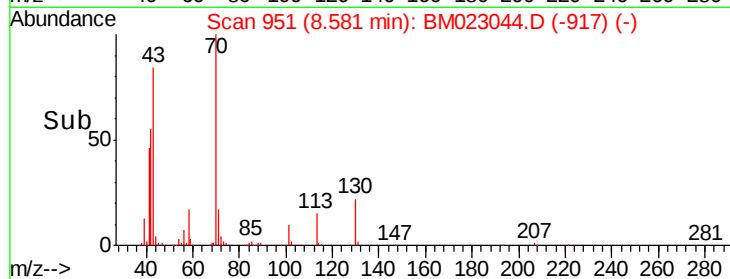
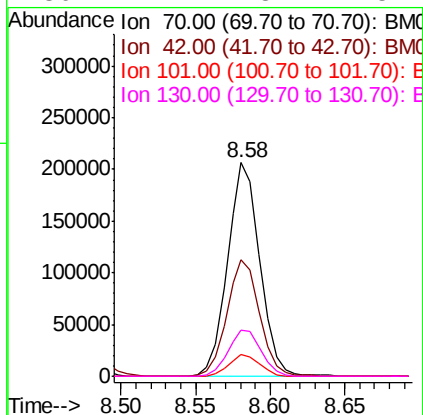
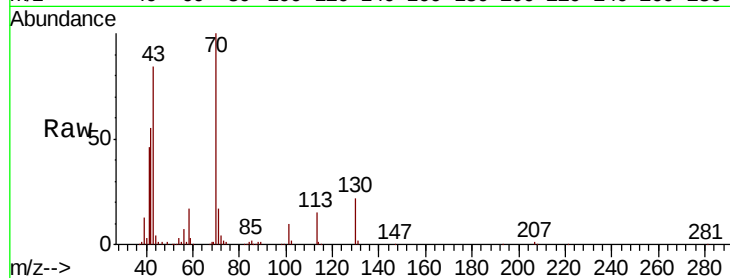




#15  
N-Nitroso-di-n-propylamine  
Concen: 34.273 ng/ul  
RT: 8.58 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: BM023044.D  
Acq: 08 Oct 2019 14:23

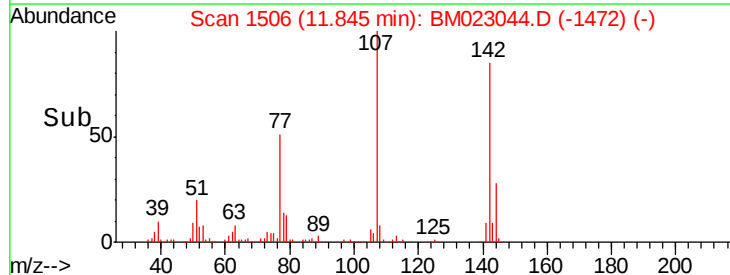
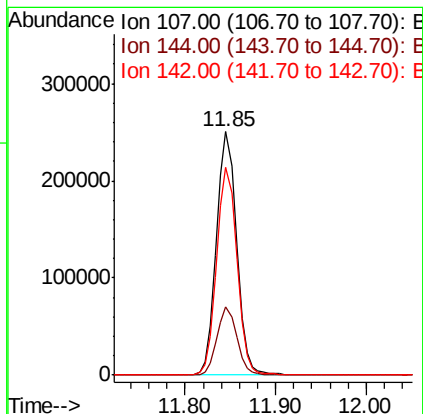
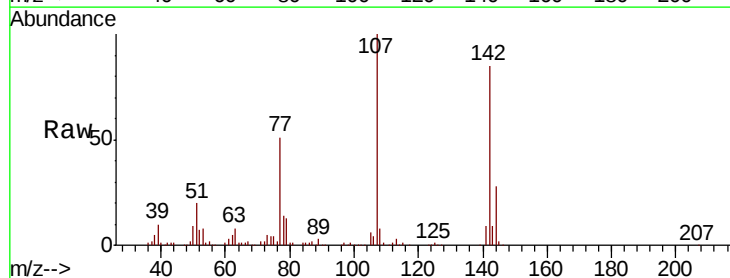
Instrument :  
BNA\_M  
ClientSampleId :  
DBAE9MS

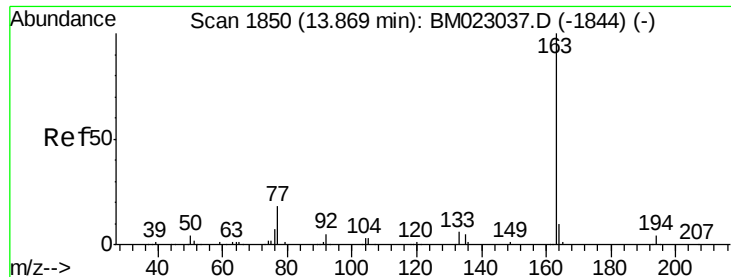
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 311418 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.8  | 44.6  | 66.8   |
| 101      | 10.0  | 8.2   | 12.2   |
| 130      | 21.7  | 18.7  | 28.1   |



#33  
4-Chloro-3-methylphenol  
Concen: 33.441 ng/ul  
RT: 11.85 min Scan# 1506  
Delta R.T. 0.00 min  
Lab File: BM023044.D  
Acq: 08 Oct 2019 14:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 388954 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 27.9  | 22.5  | 33.7   |
| 142      | 85.3  | 68.9  | 103.3  |





#45

Dimethylphthalate

Concen: 6.411 ng/ul

RT: 13.87 min Scan# 1850

Delta R.T. 0.00 min

Lab File: BM023044.D

Acq: 08 Oct 2019 14:23

Instrument :

BNA\_M

ClientSampleId :

DBAE9MS

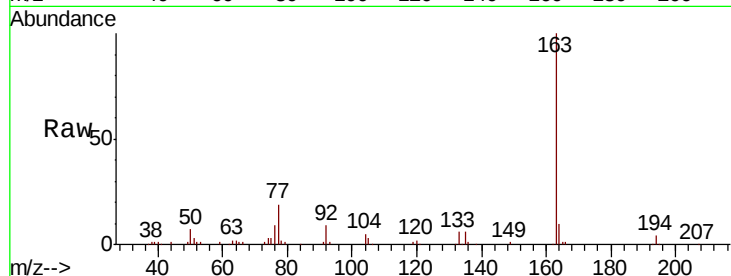
Tot Ion:163 Resp: 196391

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

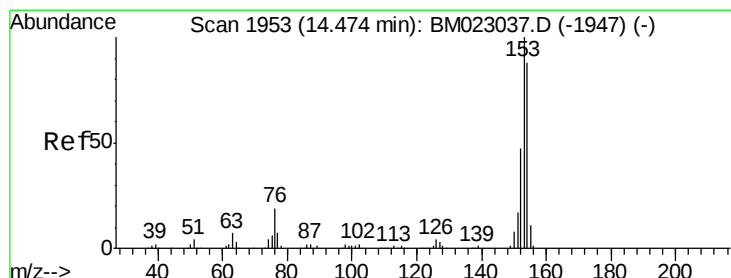
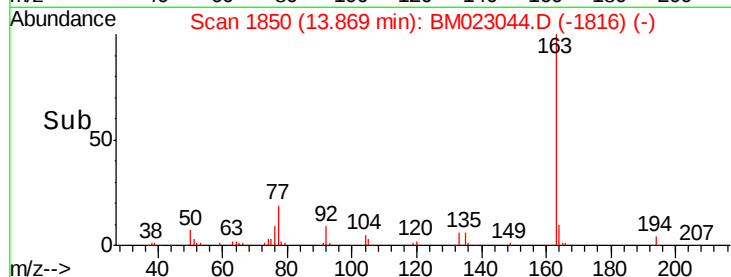
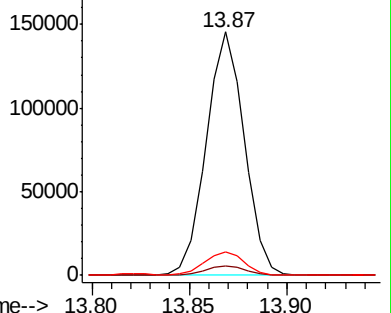
164 9.7 8.1 12.1



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



#50

Acenaphthene

Concen: 37.318 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BM023044.D

Acq: 08 Oct 2019 14:23

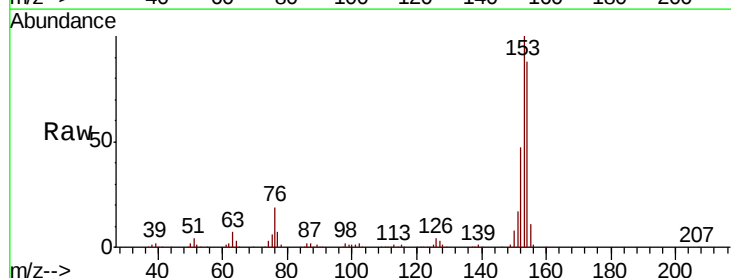
Tgt Ion:153 Resp: 966279

Ion Ratio Lower Upper

153 100

152 47.2 38.1 57.1

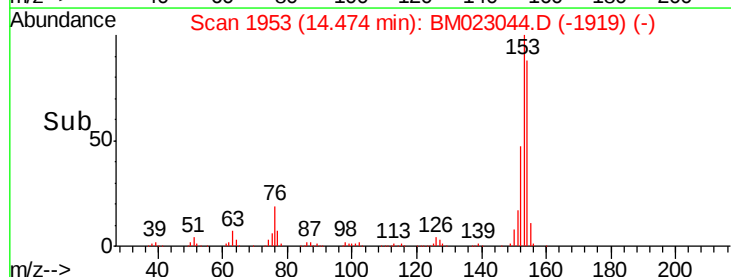
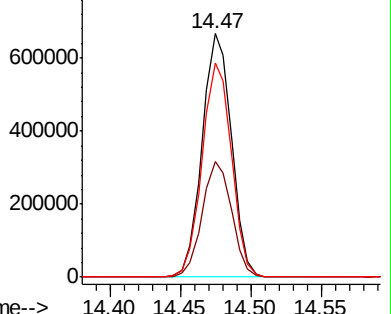
154 88.0 71.1 106.7

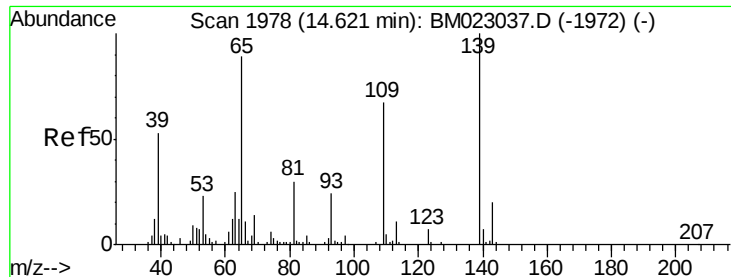


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

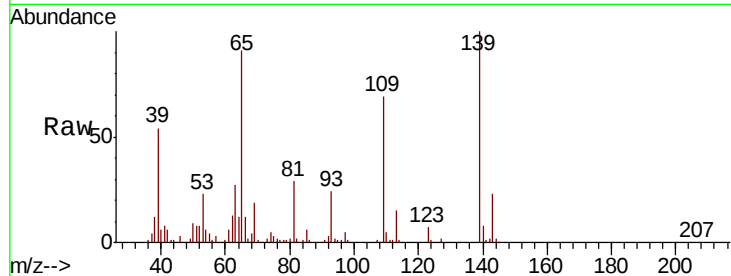




#53  
4-Nitrophenol  
Concen: 34.819 ng/ul  
RT: 14.62 min Scan# 1978  
Delta R.T. 0.00 min  
Lab File: BM023044.D  
Acq: 08 Oct 2019 14:23

Instrument :  
BNA\_M  
ClientSampleId :  
DBAE9MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 109     | 100   |       |       |
| 139     | 145.7 | 119.5 | 179.3 |
| 65      | 131.9 | 105.0 | 157.4 |

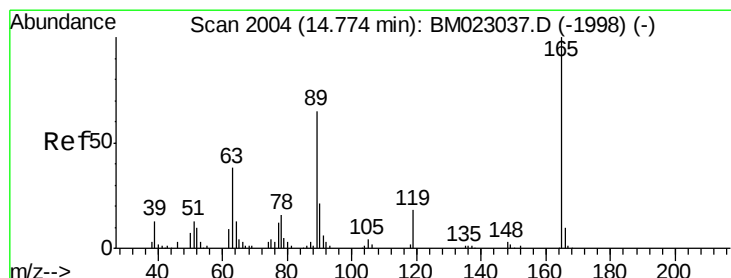
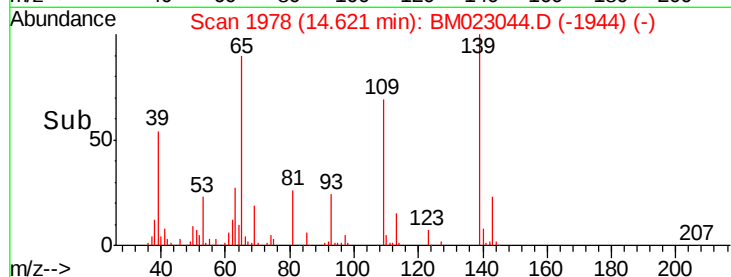
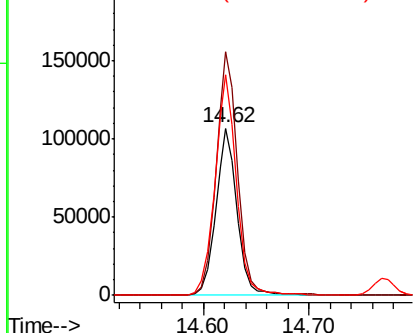


Abundance

Ion 109.00 (108.70 to 109.70): E

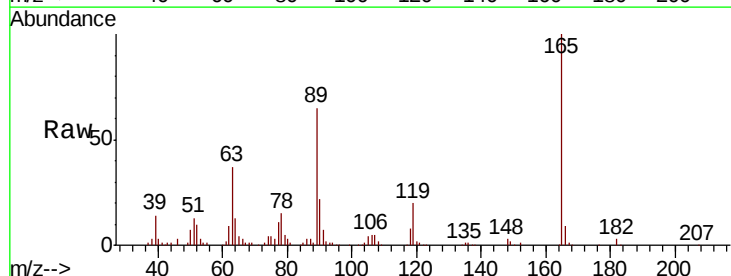
Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM



#55  
2,4-Dinitrotoluene  
Concen: 35.180 ng/ul  
RT: 14.77 min Scan# 2004  
Delta R.T. 0.00 min  
Lab File: BM023044.D  
Acq: 08 Oct 2019 14:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 37.4  | 29.8  | 44.6  |
| 182     | 2.7   | 2.2   | 3.4   |

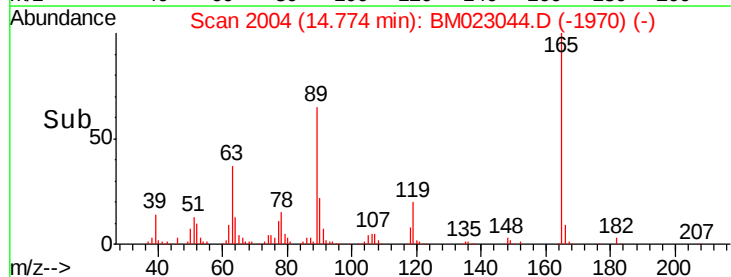
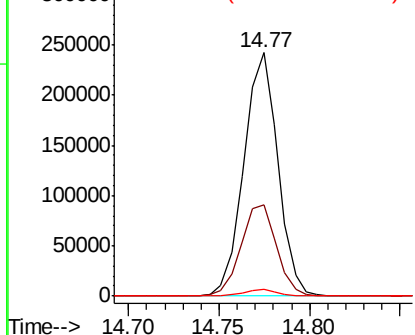


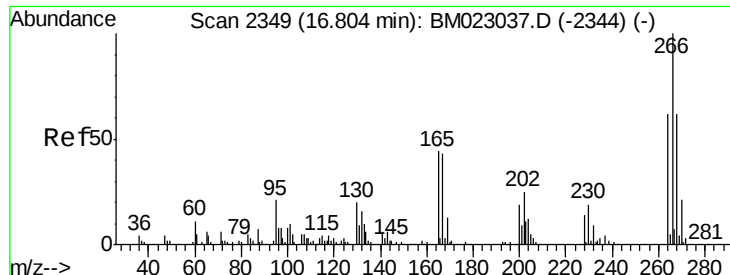
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

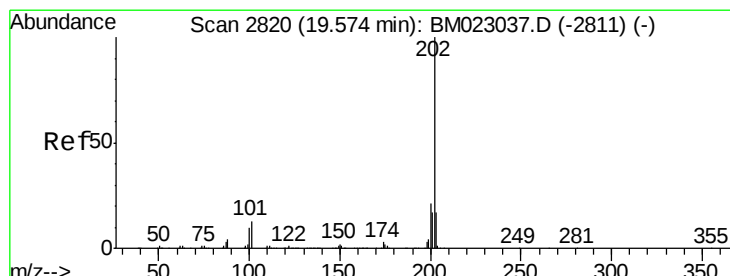
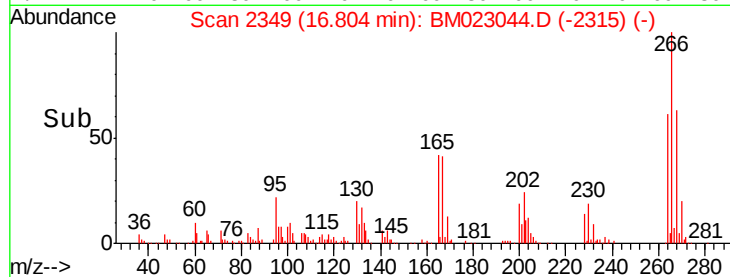
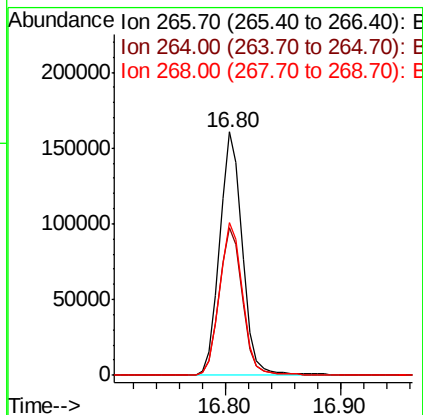
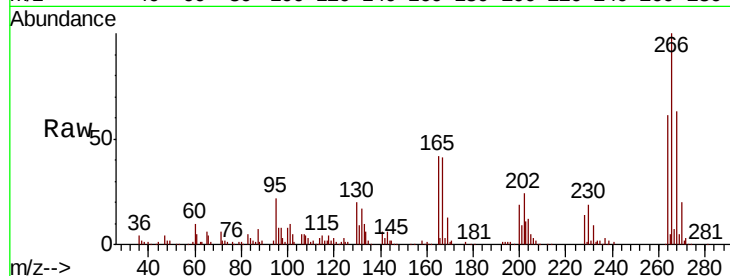




#69  
 Pentachlorophenol  
 Concen: 32.370 ng/ul  
 RT: 16.80 min Scan# 2349  
 Delta R.T. 0.00 min  
 Lab File: BM023044.D  
 Acq: 08 Oct 2019 14:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBAE9MS

Tot Ion:266 Resp: 219899  
 Ion Ratio Lower Upper  
 266 100  
 264 60.6 50.8 76.2  
 268 63.0 51.4 77.0



#80  
 Pyrene  
 Concen: 37.947 ng/ul  
 RT: 19.57 min Scan# 2820  
 Delta R.T. 0.00 min  
 Lab File: BM023044.D  
 Acq: 08 Oct 2019 14:23

Tgt Ion:202 Resp: 2133243  
 Ion Ratio Lower Upper  
 202 100  
 101 13.2 9.7 14.5  
 100 10.6 7.8 11.8

