

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031620\  
 Data File : BM025593.D  
 Acq On : 16 Mar 2020 22:55  
 Operator : CG/JU  
 Sample : L1840-08MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBES4MS

Quant Time: Mar 17 01:32:25 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 17 01:28:03 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.64  | 152  | 213686   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.40 | 136  | 886296   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.27 | 164  | 555884   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.02 | 188  | 1185943  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.20 | 240  | 1174467  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.38 | 264  | 1349415  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 23372   | 4.59  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 107320  | 6.36  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67  | 265922  | 27.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.17  | 132 | 319640  | 23.35 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 200514  | 14.47 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.78  | 128 | 194501  | 29.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.50  | 143 | 211263  | 30.17 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 374687  | 26.16 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 40007   | 2.41  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.69 | 166 | 1303613 | 30.86 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.96 | 160 | 1505795 | 29.75 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 53409   | 6.64  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.27 | 176 | 1124321 | 30.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 204495  | 28.26 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.11 | 188 | 1889587 | 34.11 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.41 | 212 | 2280518 | 40.43 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.24 | 264 | 2736903 | 39.62 | ng/ul | 0.00 |

## Target Compounds

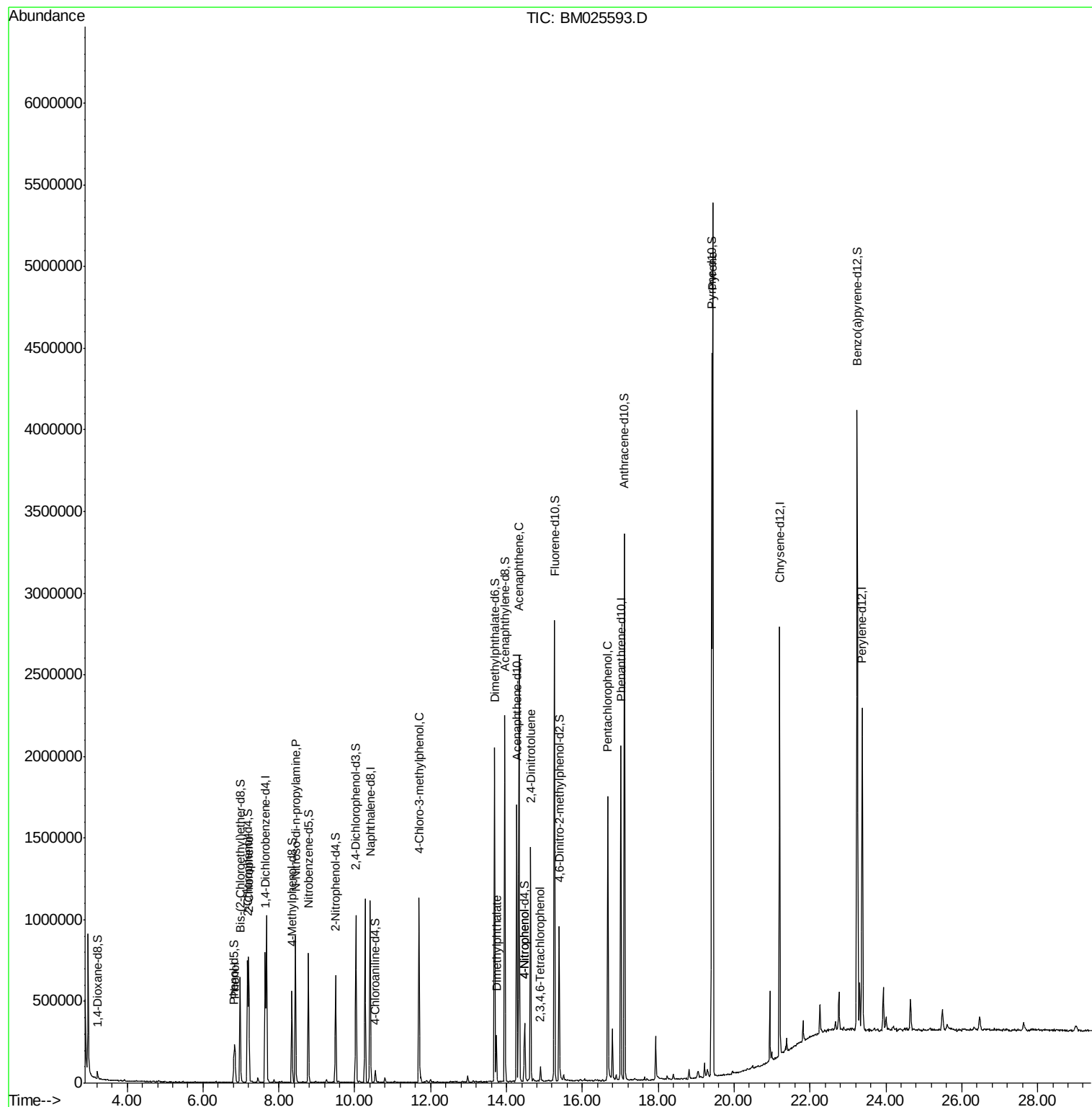
|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 6) Phenol                      | 6.85  | 94  | 121167  | 6.880  | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.21  | 128 | 330212  | 22.918 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.44  | 70  | 299699  | 27.989 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.69 | 107 | 367640  | 24.890 | ng/ul 99  |
| 45) Dimethylphthalate          | 13.73 | 163 | 177824  | 4.044  | ng/ul 99  |
| 50) Acenaphthene               | 14.33 | 153 | 1023701 | 27.470 | ng/ul 98  |
| 53) 4-Nitrophenol              | 14.49 | 109 | 45284   | 7.202  | ng/ul 99  |
| 55) 2,4-Dinitrotoluene         | 14.63 | 165 | 400598  | 31.678 | ng/ul 93  |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232 | 16178   | 1.467  | ng/ul# 97 |
| 69) Pentachlorophenol          | 16.67 | 266 | 322283  | 30.729 | ng/ul 99  |
| 80) Pyrene                     | 19.44 | 202 | 2950492 | 37.406 | ng/ul 99  |

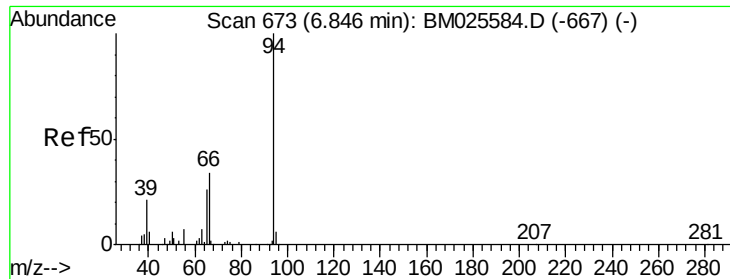
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue Mar 17 01:28:03 2020  
Response via : Initial Calibration





#6

Phenol

Concen: 6.880 ng/ul

RT: 6.85 min Scan# 673

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

Instrument :

BNA\_M

ClientSampleId :

DBES4MS

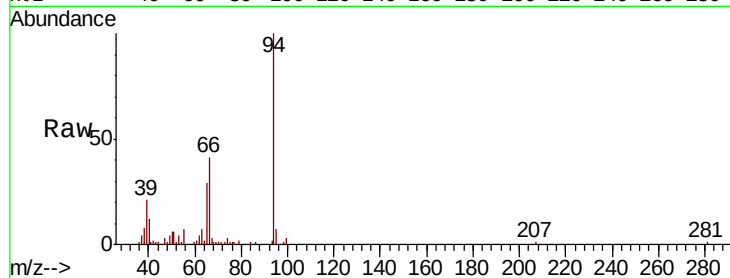
Tot Ion: 94 Resp: 121167

Ion Ratio Lower Upper

94 100

65 29.3 23.8 35.6

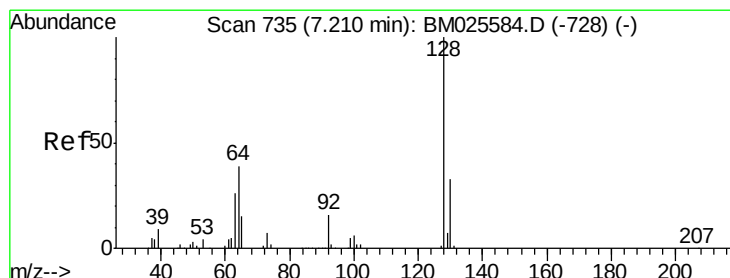
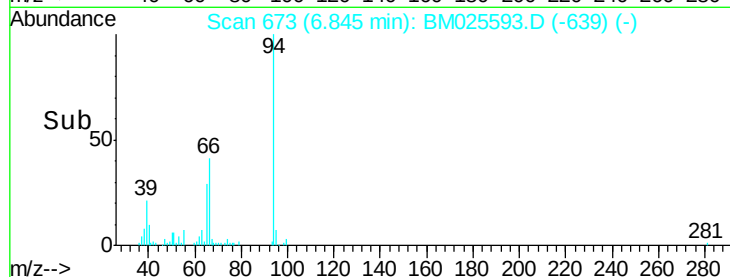
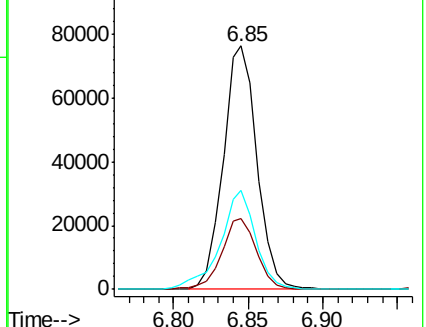
66 40.8 32.4 48.6



Abundance Ion 94.00 (93.70 to 94.70): BM025584.D (-667) (-)

Ion 65.00 (64.70 to 65.70): BM025584.D (-667) (-)

Ion 66.00 (65.70 to 66.70): BM025584.D (-667) (-)



#10

2-Chlorophenol

Concen: 22.918 ng/ul

RT: 7.21 min Scan# 735

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

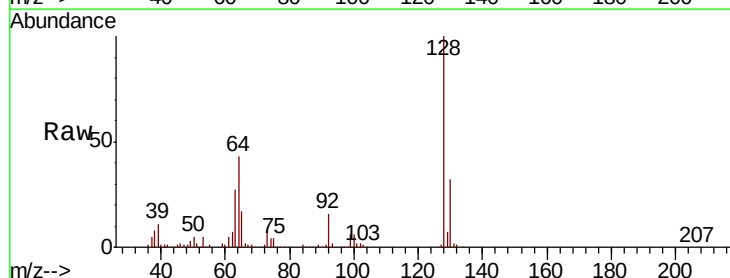
Tgt Ion:128 Resp: 330212

Ion Ratio Lower Upper

128 100

64 43.3 34.6 51.8

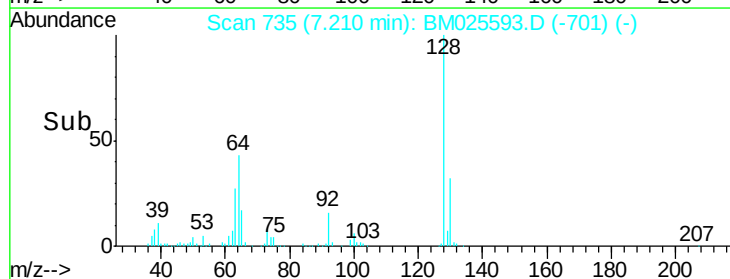
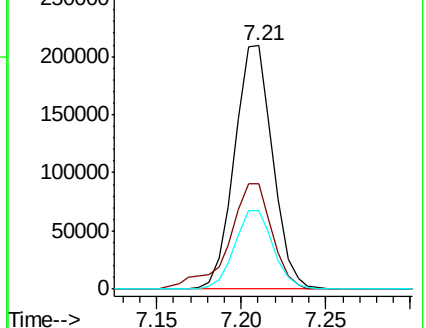
130 32.3 27.1 40.7

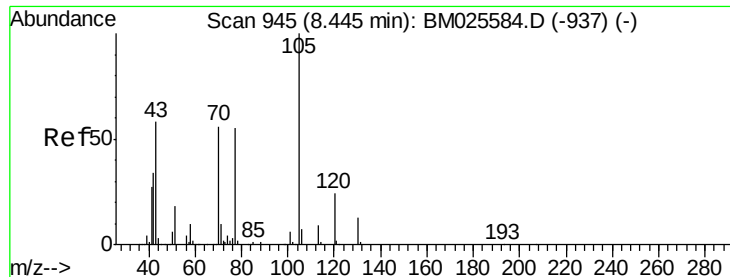


Abundance Ion 128.00 (127.70 to 128.70): BM025584.D (-728) (-)

Ion 64.00 (63.70 to 64.70): BM025584.D (-728) (-)

Ion 130.00 (129.70 to 130.70): BM025584.D (-728) (-)

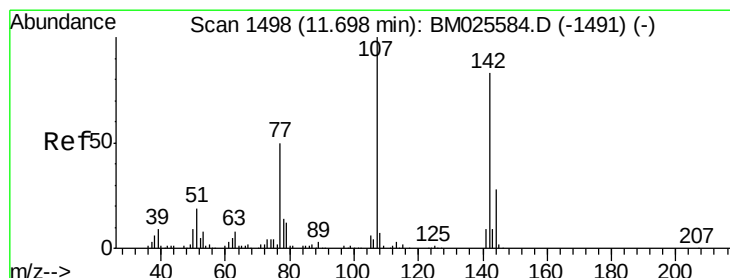
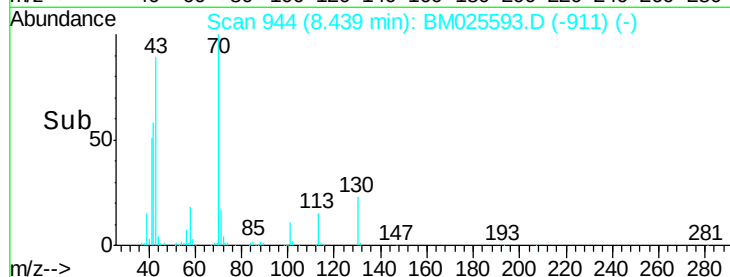
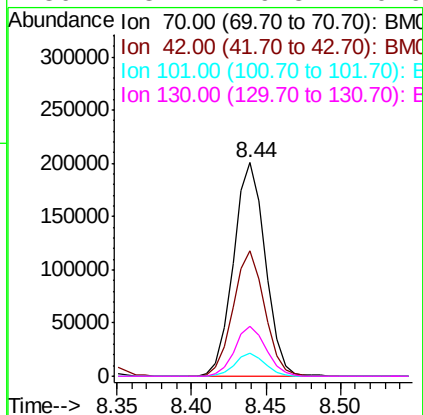
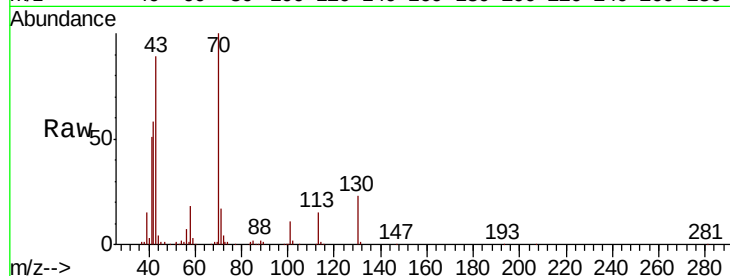




#15  
N-Nitroso-di-n-propylamine  
Concen: 27.989 ng/ul  
RT: 8.44 min Scan# 944  
Delta R.T. -0.01 min  
Lab File: BM025593.D  
Acq: 16 Mar 2020 22:55

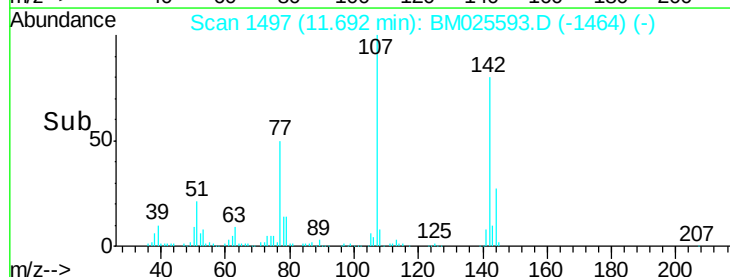
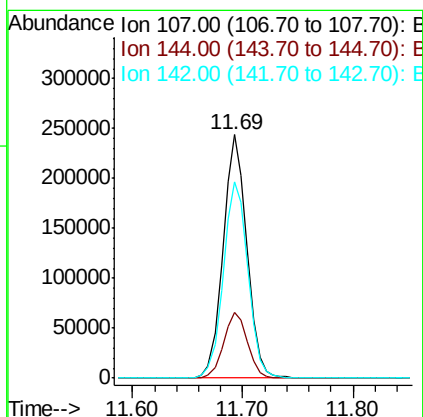
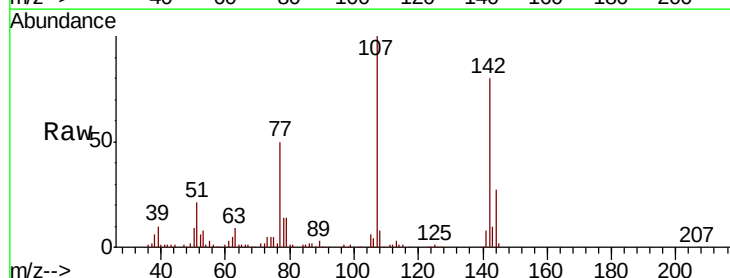
Instrument :  
BNA\_M  
ClientSampleId :  
DBES4MS

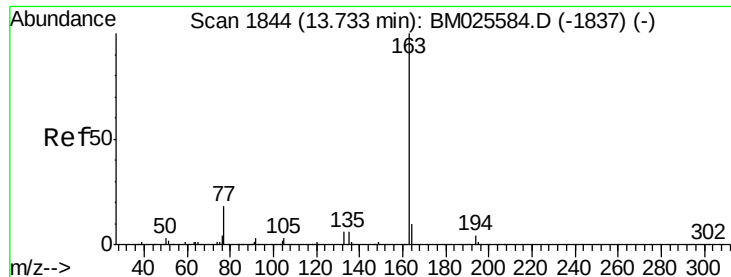
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 299699 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 58.5  | 48.2  | 72.2   |
| 101      | 10.5  | 7.6   | 11.4   |
| 130      | 23.2  | 19.8  | 29.6   |



#33  
4-Chloro-3-methylphenol  
Concen: 24.890 ng/ul  
RT: 11.69 min Scan# 1497  
Delta R.T. -0.01 min  
Lab File: BM025593.D  
Acq: 16 Mar 2020 22:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 367640 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 26.7  | 21.7  | 32.5   |
| 142      | 80.5  | 65.0  | 97.6   |





#45

Dimethylphthalate

Concen: 4.044 ng/ul

RT: 13.73 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

Instrument :

BNA\_M

ClientSampleId :

DBES4MS

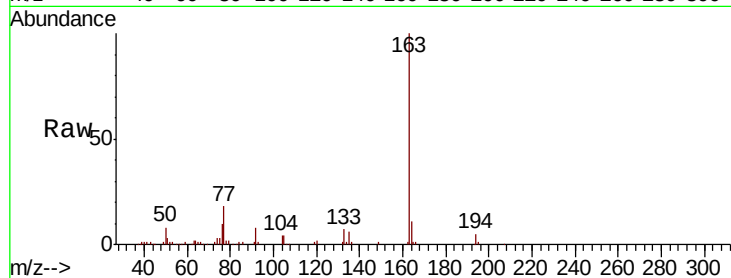
Tot Ion:163 Resp: 177824

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

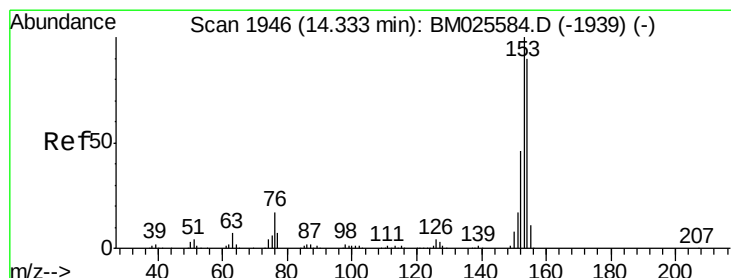
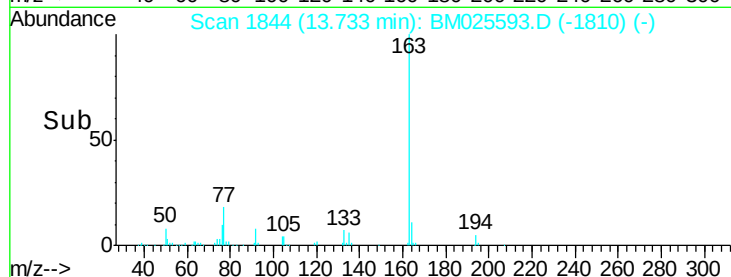
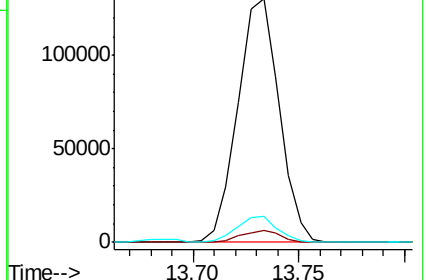
164 10.7 8.2 12.4



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: 27.470 ng/ul

RT: 14.33 min Scan# 1946

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

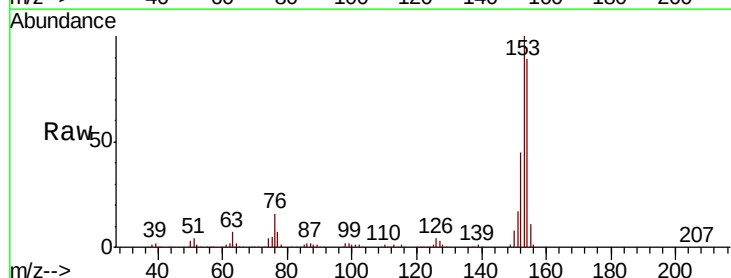
Tgt Ion:153 Resp: 1023701

Ion Ratio Lower Upper

153 100

152 45.5 37.6 56.4

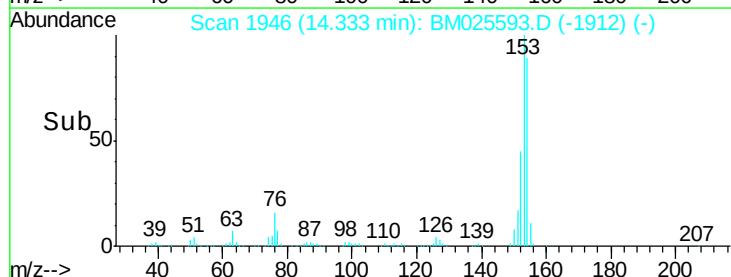
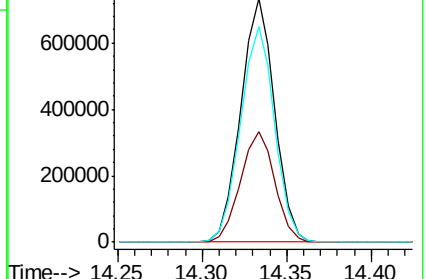
154 88.7 72.2 108.2

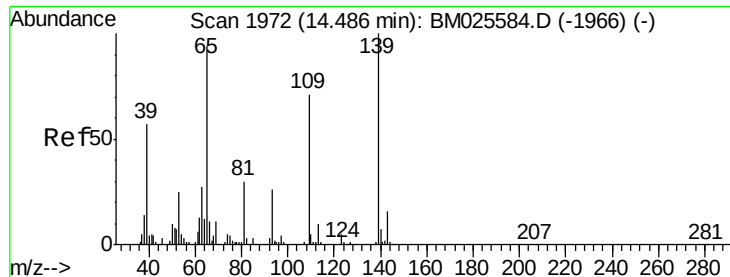


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

4-Nitrophenol

Concen: 7.202 ng/ul

RT: 14.49 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

Instrument :

BNA\_M

ClientSampleId :

DBES4MS

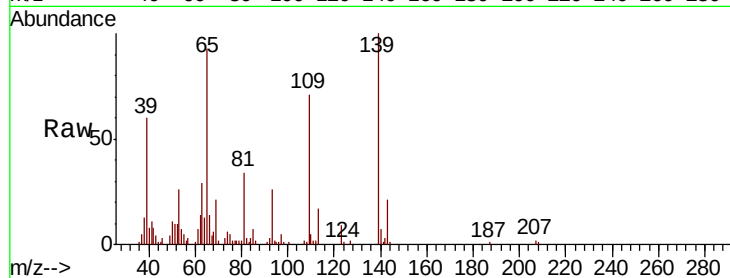
Tot Ion:109 Resp: 45284

Ion Ratio Lower Upper

109 100

139 140.4 111.0 166.4

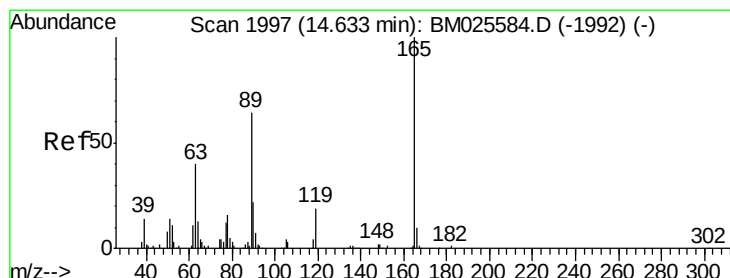
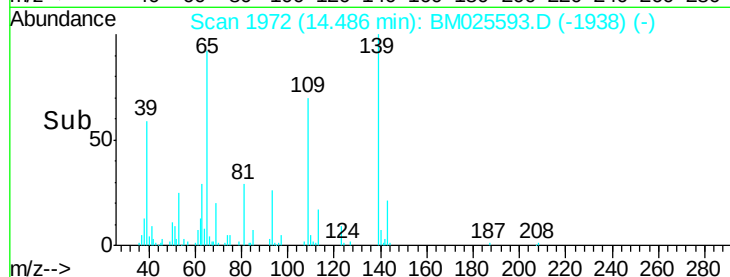
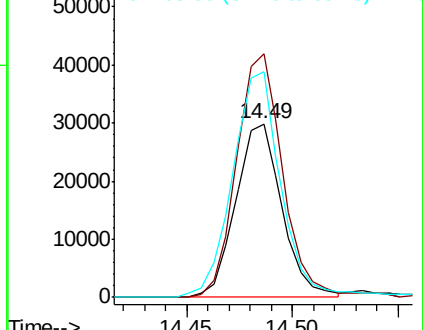
65 130.1 105.1 157.7



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: 31.678 ng/ul

RT: 14.63 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BM025593.D

Acq: 16 Mar 2020 22:55

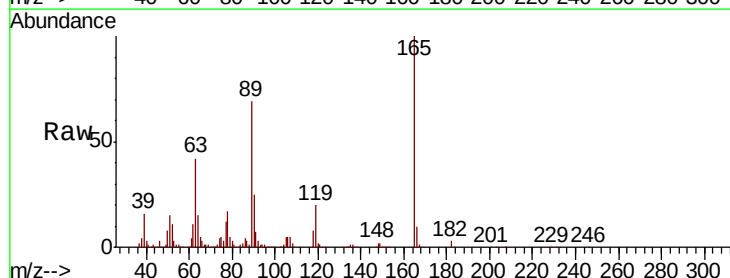
Tgt Ion:165 Resp: 400598

Ion Ratio Lower Upper

165 100

63 42.1 30.2 45.2

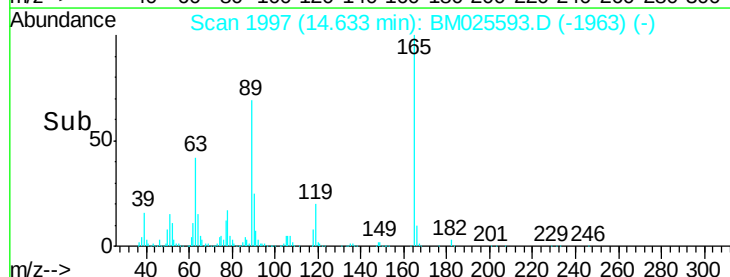
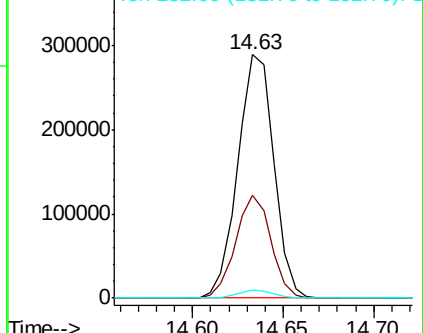
182 3.5 2.6 3.8

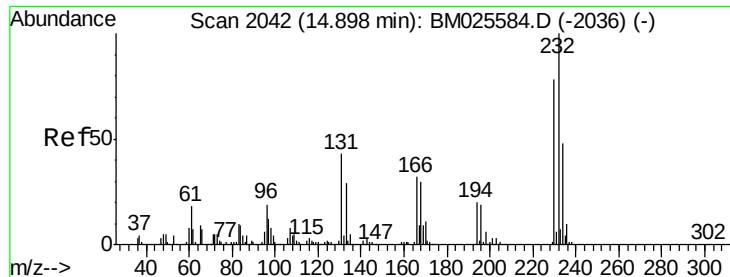


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E

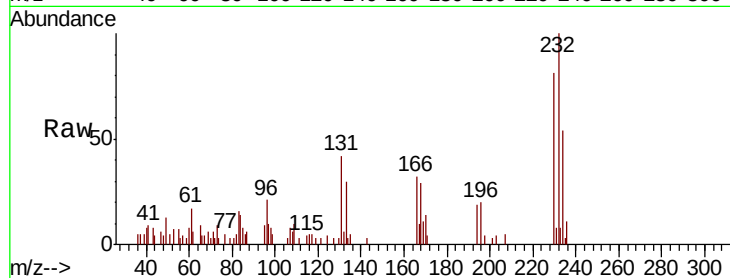




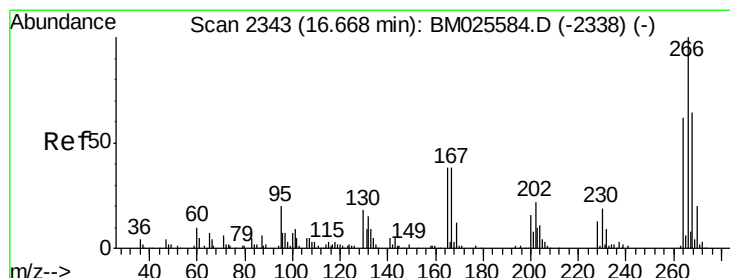
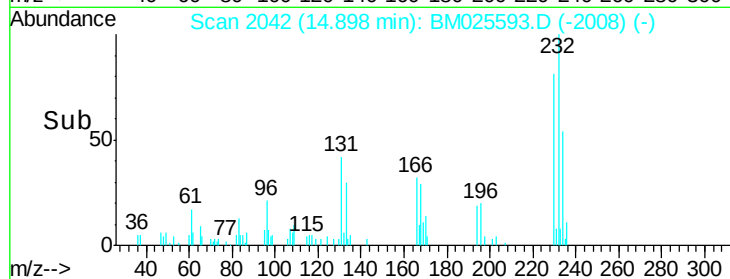
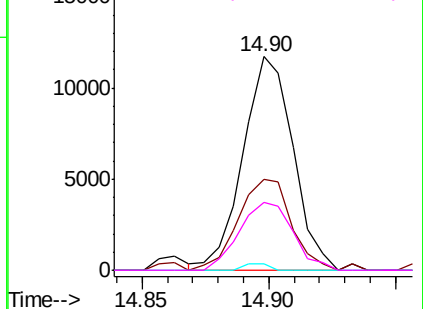
#56  
2,3,4,6-Tetrachlorophenol  
Concen: 1.467 ng/ul  
RT: 14.90 min Scan# 2042  
Delta R.T. -0.00 min  
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Instrument :  
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Tot Ion:232 Resp: 16178  
Ion Ratio Lower Upper  
232 100  
131 42.3 33.8 50.6  
130 2.9 1.9 2.9#  
166 32.0 22.9 34.3

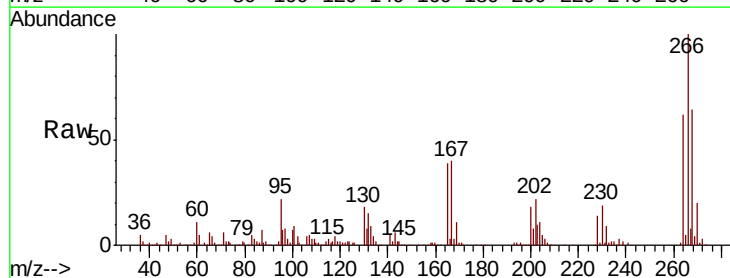


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

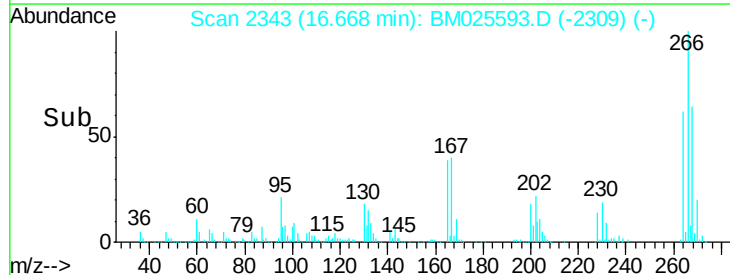
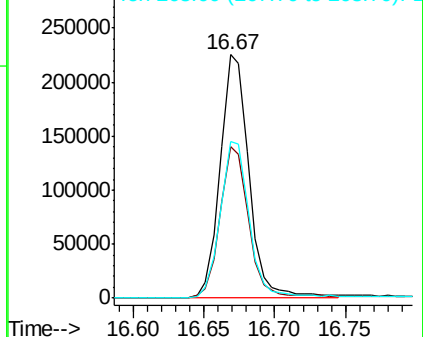


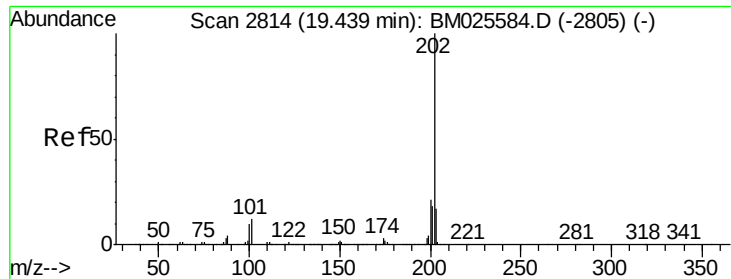
#69  
Pentachlorophenol  
Concen: 30.729 ng/ul  
RT: 16.67 min Scan# 2343  
Delta R.T. -0.00 min  
Lab File: BM025593.D  
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Tgt Ion:266 Resp: 322283  
Ion Ratio Lower Upper  
266 100  
264 62.0 50.1 75.1  
268 64.2 50.9 76.3



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 264.00 (263.70 to 264.70): E  
Ion 268.00 (267.70 to 268.70): E





#80  
 Pvrene  
 Concen: 37.406 ng/ul  
 RT: 19.44 min Scan# 2814  
 Delta R.T. -0.00 min  
 Lab File: BM025593.D  
 Acq: 16 Mar 2020 22:55

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBES4MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.4  | 8.9   | 13.3  |
| 100     | 9.8   | 7.5   | 11.3  |

