

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052019\  
 Data File : BM020442.D  
 Acq On : 20 May 2019 23:23  
 Operator : JU/SJ  
 Sample : K2853-06MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A51B0MSD

Quant Time: May 21 07:49:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM051619MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 07:44:16 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 99264    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.52 | 136  | 349930   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.38 | 164  | 198095   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.13 | 188  | 451620   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.33 | 240  | 474152   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.60 | 264  | 527028   | 20.00 | ng/ul | -0.01    |

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| System Monitoring Compounds    |       |     |        |       |       |       |
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 17870  | 6.64  | ng/uL | 0.00  |
| 5) Phenol-d5                   | 6.90  | 99  | 271034 | 34.23 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 170718 | 33.91 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 208854 | 35.96 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 192658 | 33.41 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 91016  | 39.98 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 98509  | 39.23 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 196571 | 37.02 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 225675 | 41.15 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.79 | 166 | 541449 | 37.99 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.07 | 160 | 687624 | 38.57 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.60 | 143 | 53564  | 25.88 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.38 | 176 | 475101 | 37.48 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 35321  | 13.73 | ng/ul | -0.01 |
| 70) Anthracene-d10             | 17.23 | 188 | 742810 | 38.35 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.53 | 212 | 870070 | 38.10 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 907682 | 37.90 | ng/ul | -0.01 |

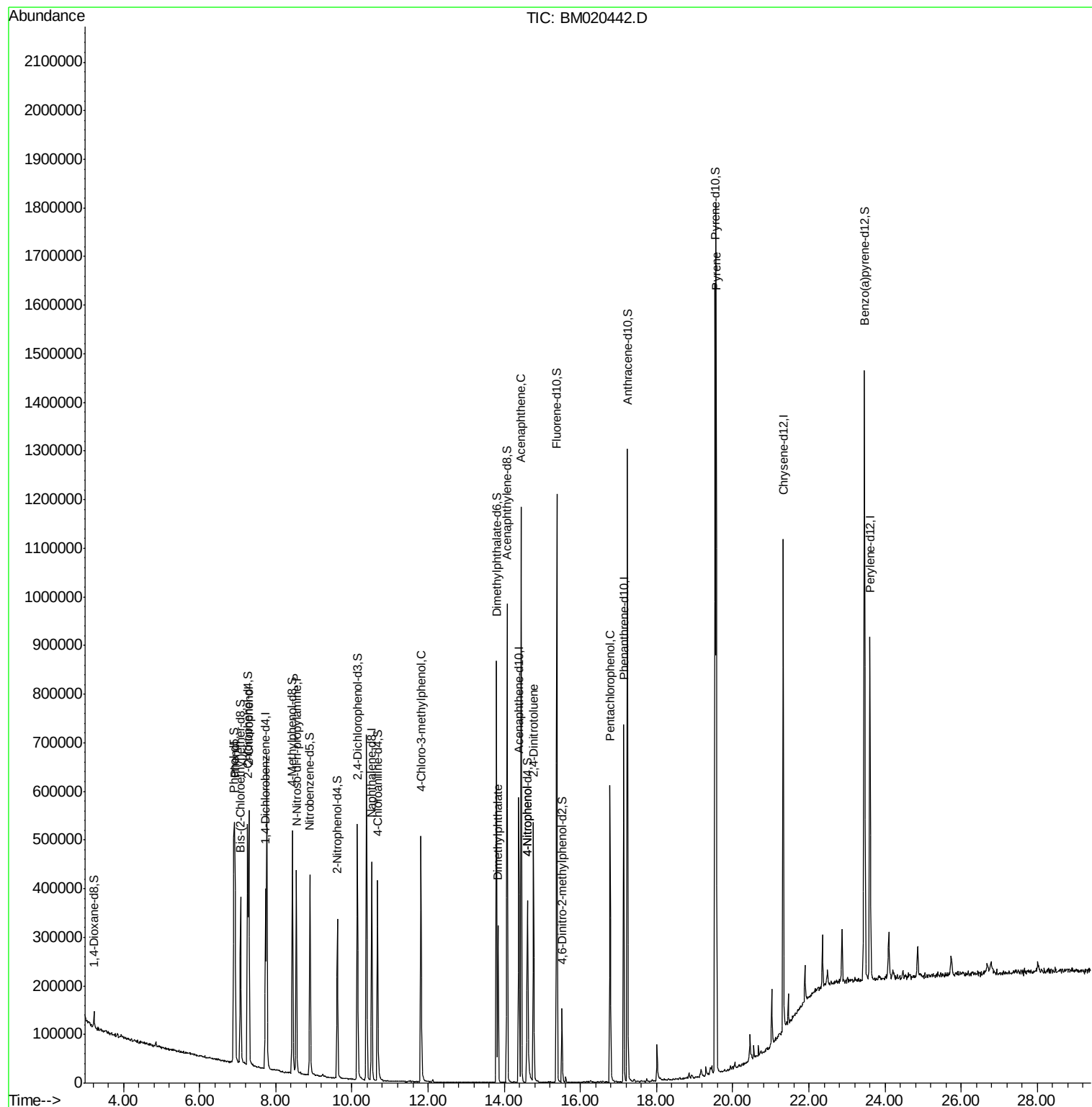
|                                |       |     |         |        |       |    |
|--------------------------------|-------|-----|---------|--------|-------|----|
| Target Compounds               |       |     |         | Ovalue |       |    |
| 6) Phenol                      | 6.93  | 94  | 284192  | 34.116 | ng/ul | 96 |
| 10) 2-Chlorophenol             | 7.29  | 128 | 207483  | 35.007 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.54  | 70  | 192731  | 34.302 | ng/ul | 99 |
| 33) 4-Chloro-3-methylphenol    | 11.82 | 107 | 193317  | 37.026 | ng/ul | 97 |
| 44) Dimethylphthalate          | 13.84 | 163 | 189223  | 13.421 | ng/ul | 99 |
| 49) Acenaphthene               | 14.45 | 153 | 439134  | 37.996 | ng/ul | 99 |
| 52) 4-Nitrophenol              | 14.62 | 109 | 61428   | 28.394 | ng/ul | 97 |
| 54) 2,4-Dinitrotoluene         | 14.77 | 165 | 141046  | 37.451 | ng/ul | 97 |
| 68) Pentachlorophenol          | 16.78 | 266 | 119992  | 35.708 | ng/ul | 96 |
| 79) Pyrene                     | 19.57 | 202 | 1094431 | 38.456 | ng/ul | 99 |

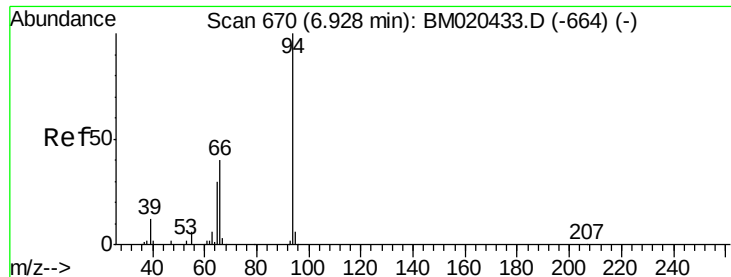
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION  
QLast Update : Tue May 21 07:44:16 2019  
Response via : Initial Calibration





#6

Phenol

Concen: 34.116 ng/ul

RT: 6.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: BM020442.D

Acq: 20 May 2019 23:23

Instrument :

BNA\_M

ClientSampleId :

A51B0MSD

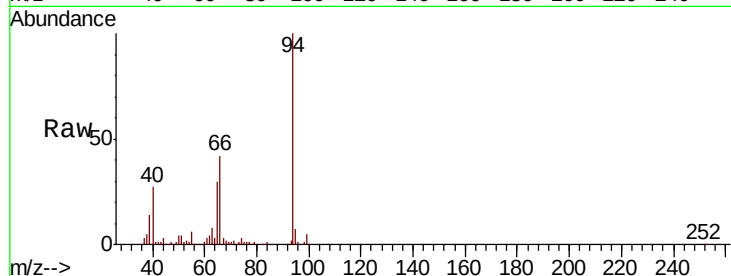
Tot Ion: 94 Resp: 284192

Ion Ratio Lower Upper

94 100

65 30.5 25.4 38.0

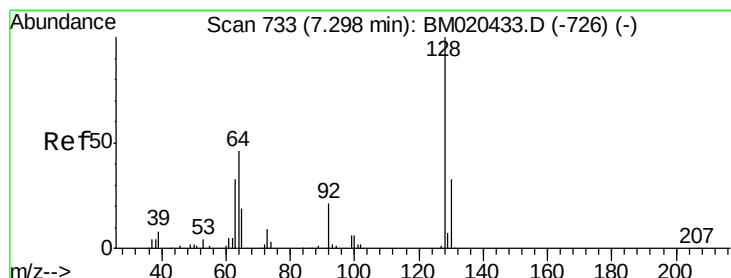
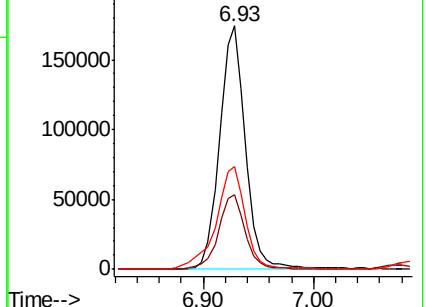
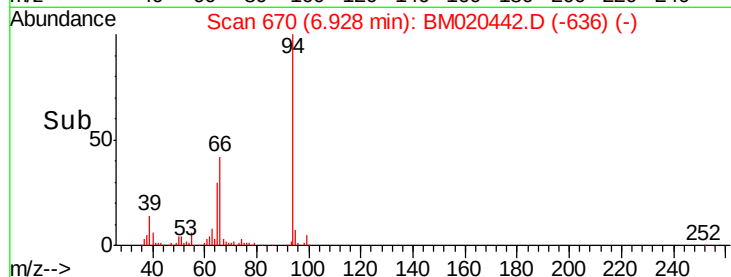
66 42.2 36.5 54.7



Abundance Ion 94.00 (93.70 to 94.70): BM020433.D (-664) (-)

Ion 65.00 (64.70 to 65.70): BM020433.D (-664) (-)

Ion 66.00 (65.70 to 66.70): BM020433.D (-664) (-)



#10

2-Chlorophenol

Concen: 35.007 ng/ul

RT: 7.29 min Scan# 732

Delta R.T. -0.01 min

Lab File: BM020442.D

Acq: 20 May 2019 23:23

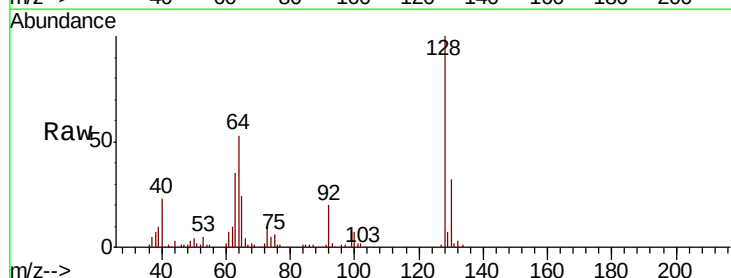
Tgt Ion: 128 Resp: 207483

Ion Ratio Lower Upper

128 100

64 53.4 40.6 60.8

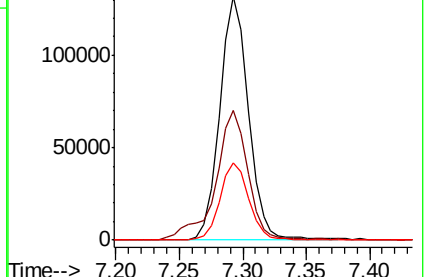
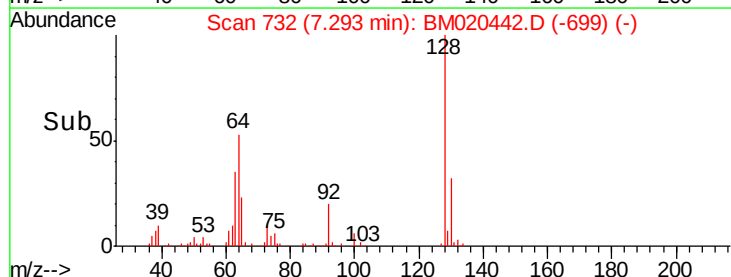
130 31.7 25.1 37.7

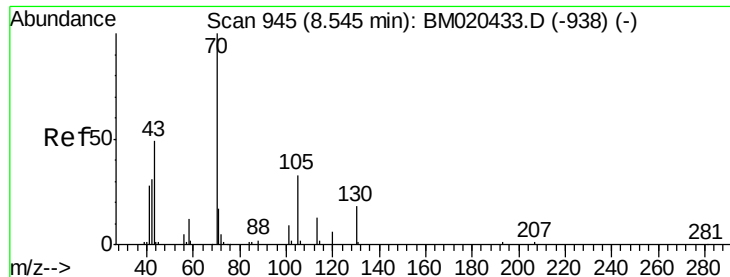


Abundance Ion 128.00 (127.70 to 128.70): BM020433.D (-726) (-)

Ion 64.00 (63.70 to 64.70): BM020433.D (-726) (-)

Ion 130.00 (129.70 to 130.70): BM020433.D (-726) (-)

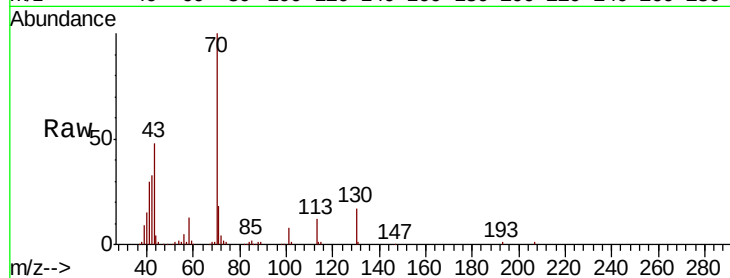




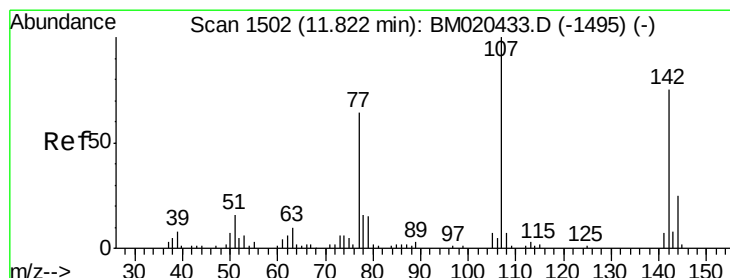
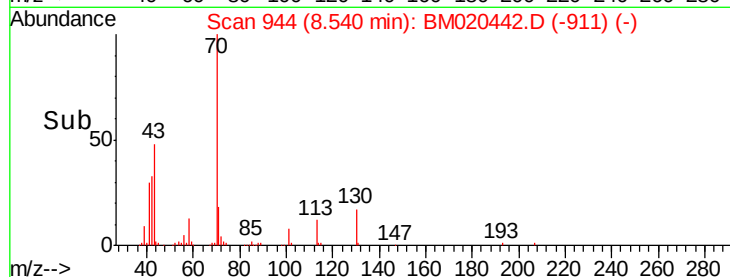
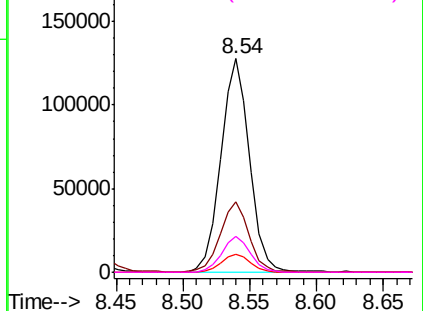
#15  
N-Nitroso-di-n-propylamine  
Concen: 34.302 ng/ul  
RT: 8.54 min Scan# 944  
Delta R.T. -0.01 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

Instrument :  
BNA\_M  
ClientSampleId :  
A51B0MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 192731 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 32.8  | 26.5  | 39.7   |
| 101      | 8.4   | 7.2   | 10.8   |
| 130      | 16.8  | 12.9  | 19.3   |

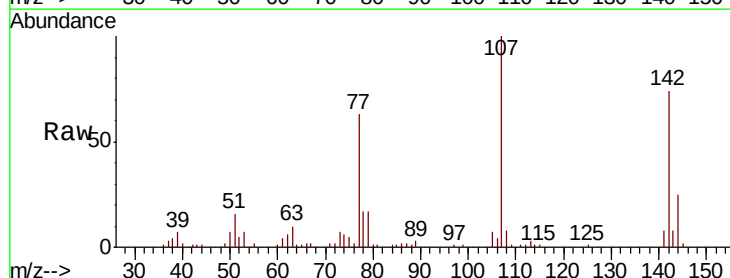


Abundance Ion 70.00 (69.70 to 70.70): BM020433.D (-938) (-)  
Ion 42.00 (41.70 to 42.70): BM020433.D (-938) (-)  
Ion 101.00 (100.70 to 101.70): BM020433.D (-938) (-)  
Ion 130.00 (129.70 to 130.70): BM020433.D (-938) (-)

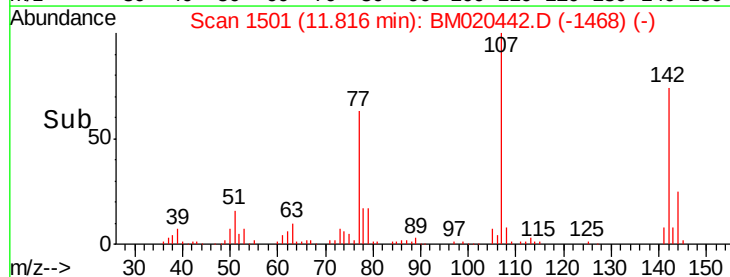
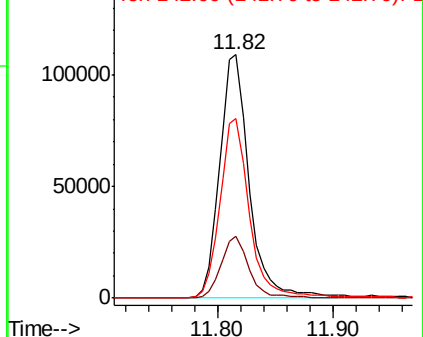


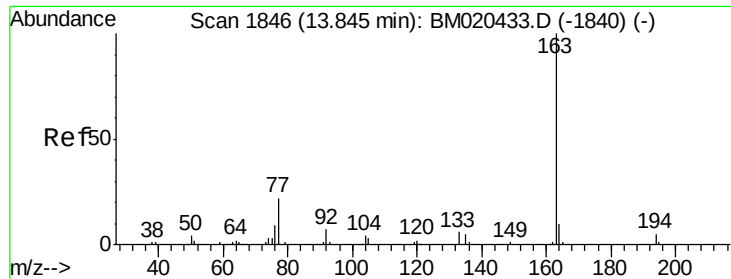
#33  
4-Chloro-3-methylphenol  
Concen: 37.026 ng/ul  
RT: 11.82 min Scan# 1501  
Delta R.T. -0.01 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 193317 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 25.3  | 21.2  | 31.8   |
| 142      | 74.0  | 61.3  | 91.9   |



Abundance Ion 107.00 (106.70 to 107.70): BM020433.D (-1495) (-)  
Ion 144.00 (143.70 to 144.70): BM020433.D (-1495) (-)  
Ion 142.00 (141.70 to 142.70): BM020433.D (-1495) (-)

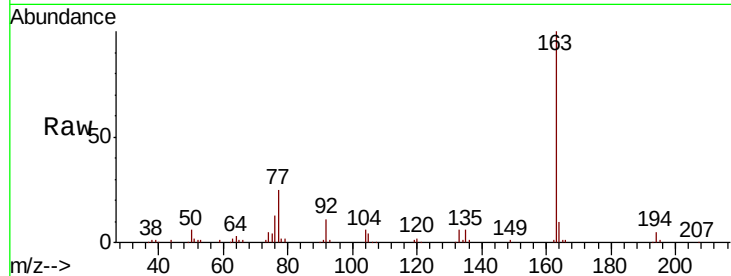




#44  
Dimethylphthalate  
Concen: 13.421 ng/ul  
RT: 13.84 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

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BNA\_M  
ClientSampleId :  
A51B0MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.3   | 4.9   |
| 164     | 10.4  | 8.0   | 12.0  |

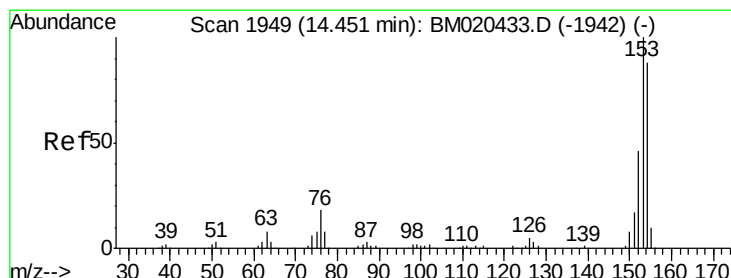
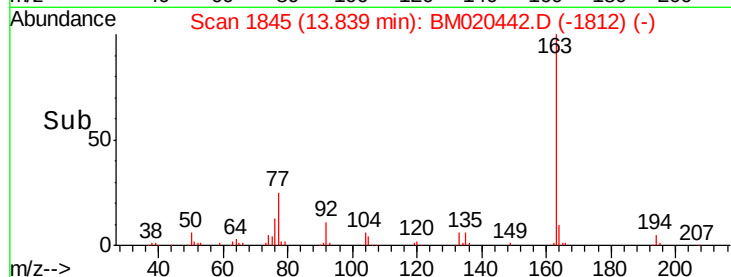
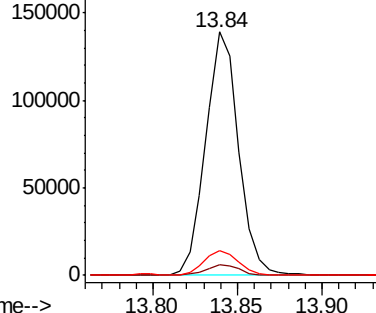


Abundance

Ion 163.00 (162.70 to 163.70): E

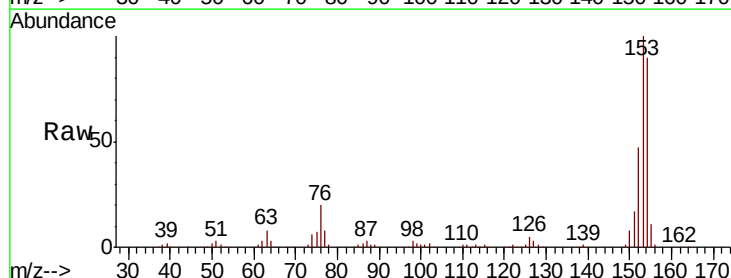
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49  
Acenaphthene  
Concen: 37.996 ng/ul  
RT: 14.45 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 153     | 100   |       |       |
| 152     | 47.2  | 37.9  | 56.9  |
| 154     | 90.2  | 71.2  | 106.8 |

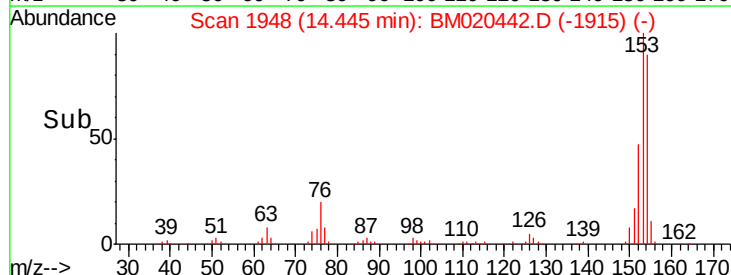
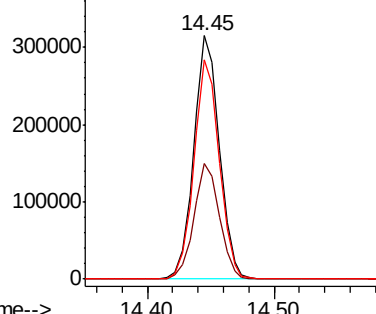


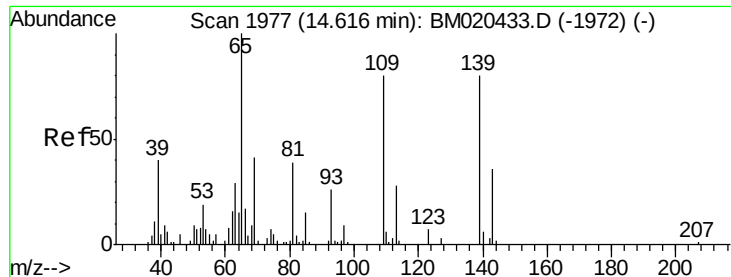
Abundance

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

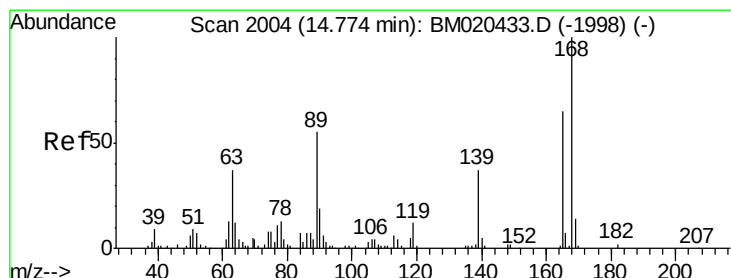
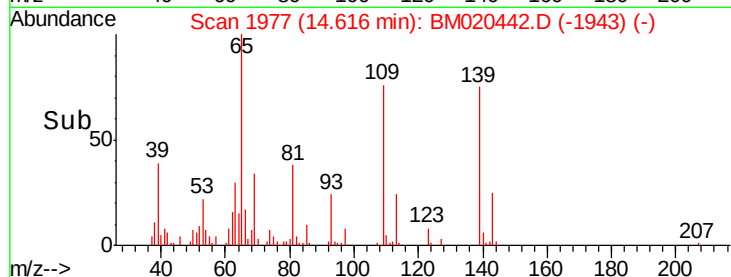
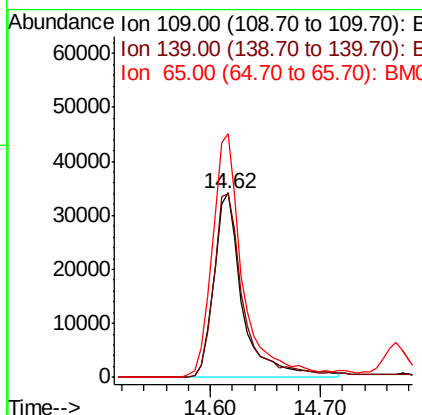
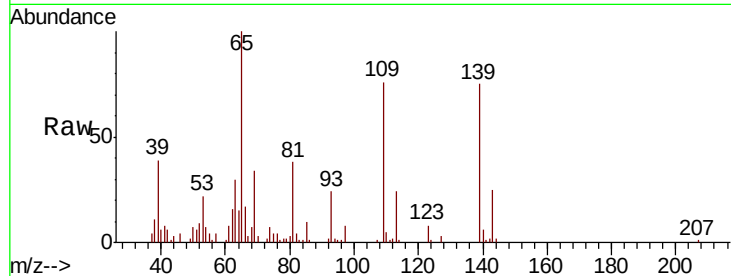




#52  
4-Nitrophenol  
Concen: 28.394 ng/ul  
RT: 14.62 min Scan# 1977  
Delta R.T. 0.00 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

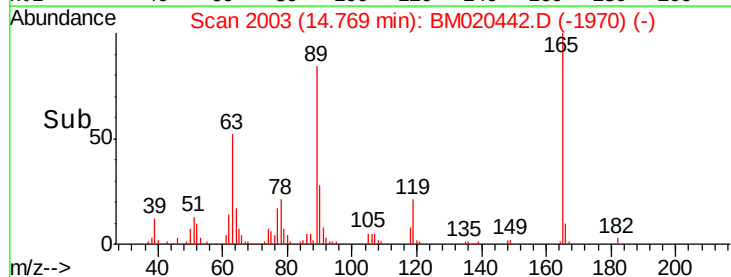
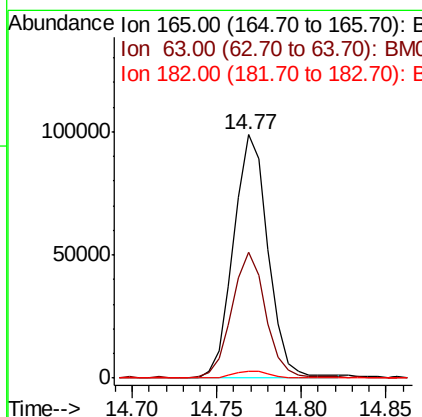
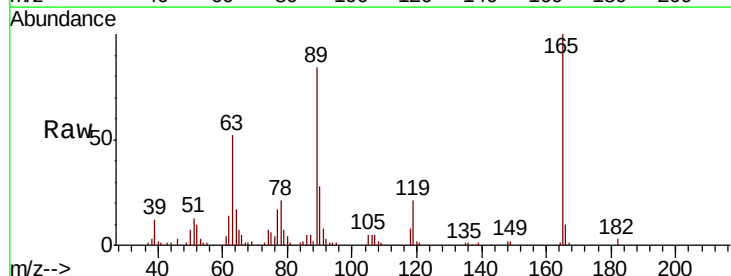
Instrument :  
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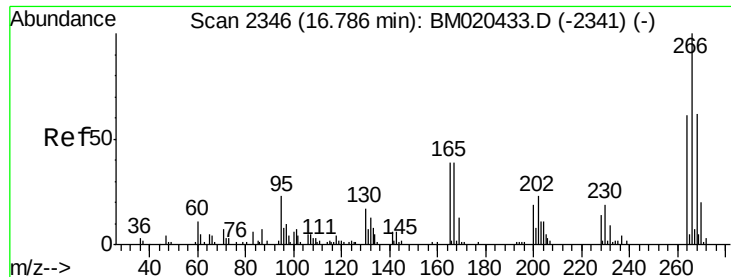
Tot Ion:109 Resp: 61428  
Ion Ratio Lower Upper  
109 100  
139 99.2 78.2 117.2  
65 131.9 109.4 164.0



#54  
2,4-Dinitrotoluene  
Concen: 37.451 ng/ul  
RT: 14.77 min Scan# 2003  
Delta R.T. -0.01 min  
Lab File: BM020442.D  
Acq: 20 May 2019 23:23

Tgt Ion:165 Resp: 141046  
Ion Ratio Lower Upper  
165 100  
63 51.6 43.2 64.8  
182 3.0 2.6 4.0

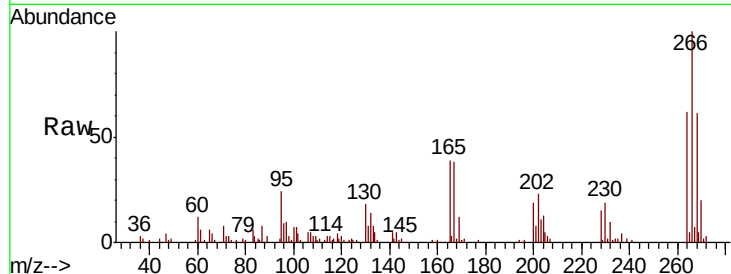




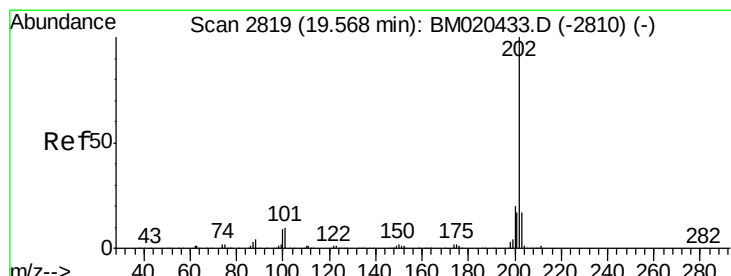
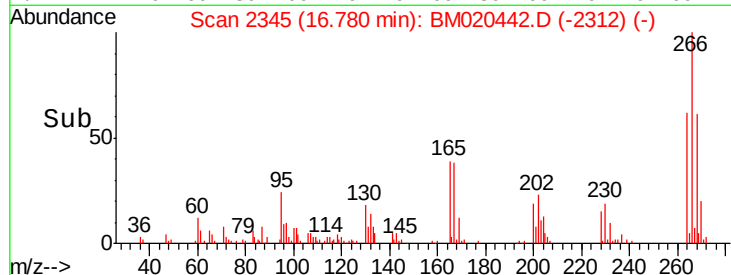
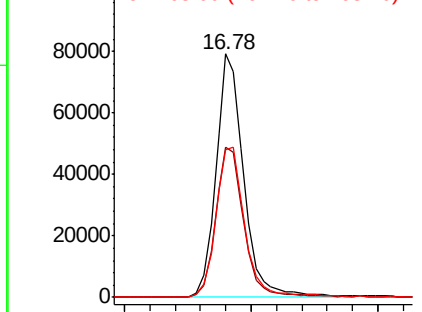
#68  
 Pentachlorophenol  
 Concen: 35.708 ng/ul  
 RT: 16.78 min Scan# 2345  
 Delta R.T. -0.01 min  
 Lab File: BM020442.D  
 Acq: 20 May 2019 23:23

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A51B0MSD

Tot Ion:266 Resp: 119992  
 Ion Ratio Lower Upper  
 266 100  
 264 61.6 47.4 71.2  
 268 60.8 51.2 76.8

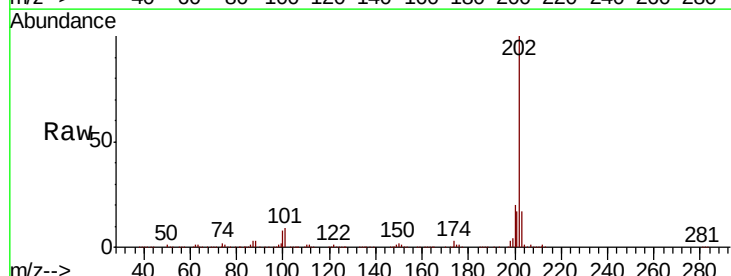


Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 264.00 (263.70 to 264.70): E  
 Ion 268.00 (267.70 to 268.70): E



#79  
 Pyrene  
 Concen: 38.456 ng/ul  
 RT: 19.57 min Scan# 2819  
 Delta R.T. 0.00 min  
 Lab File: BM020442.D  
 Acq: 20 May 2019 23:23

Tgt Ion:202 Resp: 1094431  
 Ion Ratio Lower Upper  
 202 100  
 101 9.1 7.1 10.7  
 100 7.7 5.9 8.9



Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 100.00 (99.70 to 100.70): B

