

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\  
 Data File : BM022924.D  
 Acq On : 03 Oct 2019 17:24  
 Operator : JU  
 Sample : K4983-13  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFDM8

Manual Integrations  
 APPROVED

mohammad  
 10/4/2019 10:13:39 AM

Quant Time: Oct 04 03:07:07 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Oct 04 02:36:53 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 219992   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.59 | 136  | 973517   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.43 | 164  | 581456   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.17 | 188  | 1015373  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.35 | 240  | 777080   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.61 | 264  | 879399   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 6928    | 1.36  | ng/uL | 0.01 |
| 5) Phenol-d5                   | 6.96  | 99  | 132259  | 6.80  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.13  | 67  | 254086  | 23.88 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.33  | 132 | 328400  | 20.98 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 233669  | 14.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.95  | 128 | 193596  | 25.77 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 214893  | 26.19 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 396975  | 24.30 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 302012  | 15.22 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.84 | 166 | 1255767 | 27.83 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.12 | 160 | 1378537 | 26.46 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.63 | 143 | 51812   | 5.81  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.42 | 176 | 1012379 | 26.32 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 157899  | 23.90 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.27 | 188 | 1461163 | 29.47 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.56 | 212 | 1430698 | 34.21 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.47 | 264 | 1398050 | 30.73 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |         |       | Ovalue    |
|-------------------------|-------|-----|---------|-------|-----------|
| 4) Benzaldehyd          | 6.94  | 77  | 29491   | 3.348 | ng/ul# 57 |
| 6) Phenol               | 6.99  | 94  | 49940   | 2.451 | ng/ul 98  |
| 16) 4-Methylphenol      | 8.56  | 108 | 40472   | 2.331 | ng/ul 99  |
| 24) 2,4-Dimethylphenol  | 9.76  | 107 | 136199m | 7.455 | ng/ul     |
| 28) Naphthalene         | 10.63 | 128 | 454836  | 8.651 | ng/ul 99  |
| 34) 2-Methylnaphthalene | 12.25 | 142 | 215974  | 5.479 | ng/ul 99  |
| 45) Dimethylphthalate   | 13.89 | 163 | 192705  | 4.157 | ng/ul 100 |
| 50) Acenaphthene        | 14.49 | 153 | 61240   | 1.563 | ng/ul 97  |
| 70) Phenanthrene        | 17.21 | 178 | 86738   | 1.431 | ng/ul 100 |

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

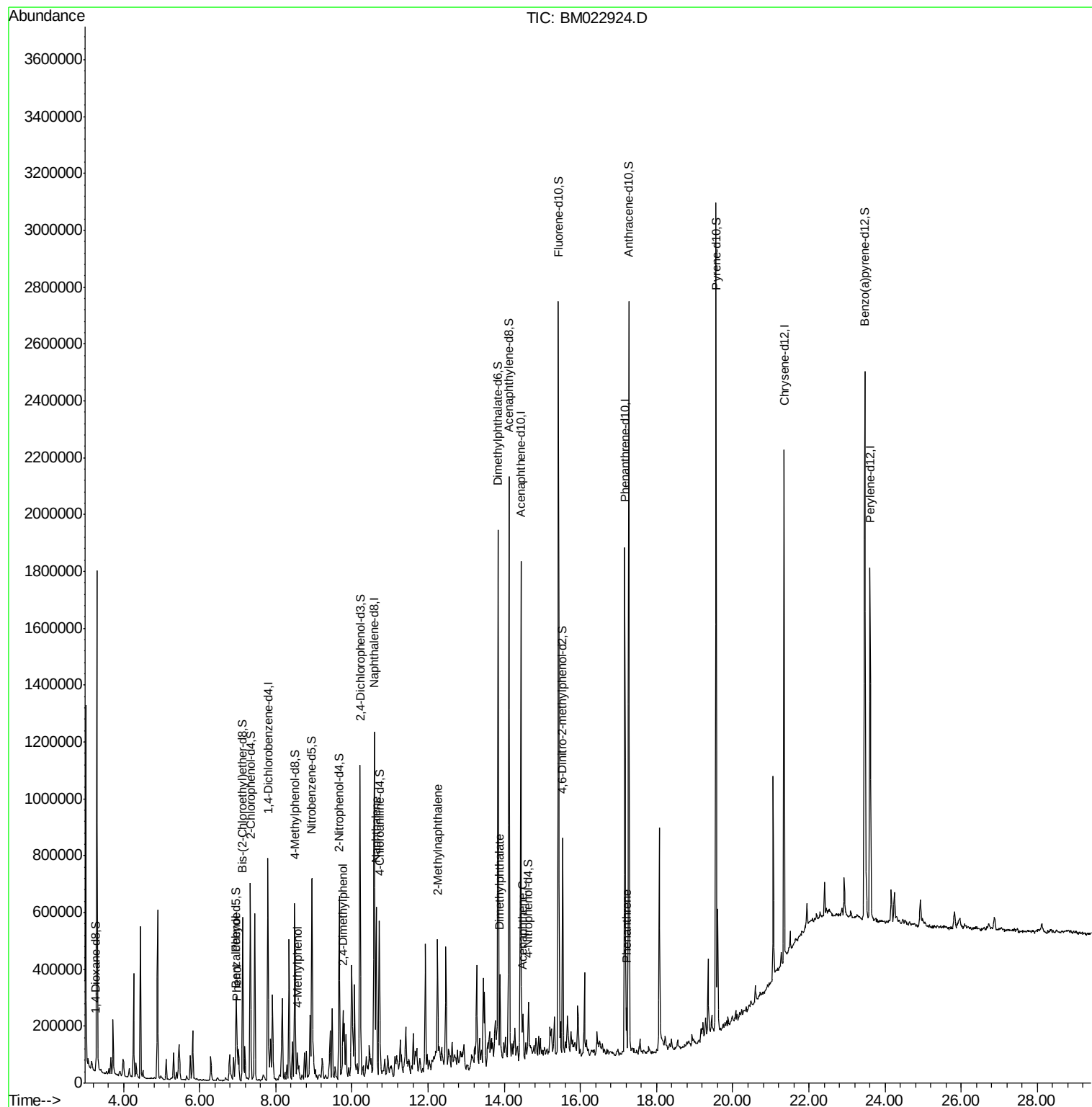
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\  
Data File : BM022924.D  
Acq On : 03 Oct 2019 17:24  
Operator : JU  
Sample : K4983-13  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

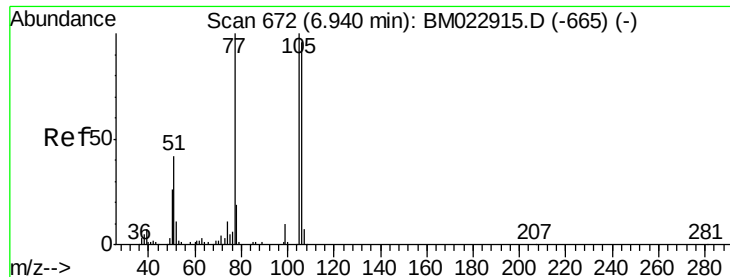
Instrument :  
BNA\_M  
ClientSampleId :  
BFDM8

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Quant Time: Oct 04 03:07:07 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM092719MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Fri Oct 04 02:36:53 2019  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 3.348 ng/ul

RT: 6.94 min Scan# 672

Delta R.T. -0.00 min

Lab File: BM022924.D

Acq: 03 Oct 2019 17:24

Instrument :

BNA\_M

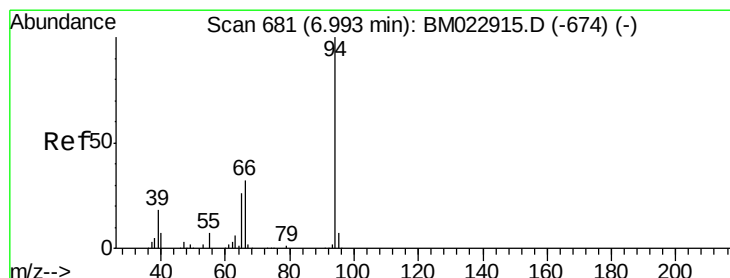
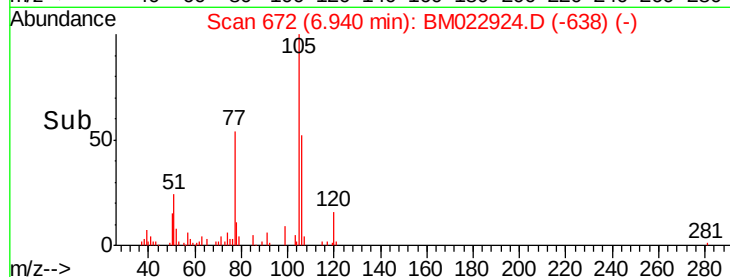
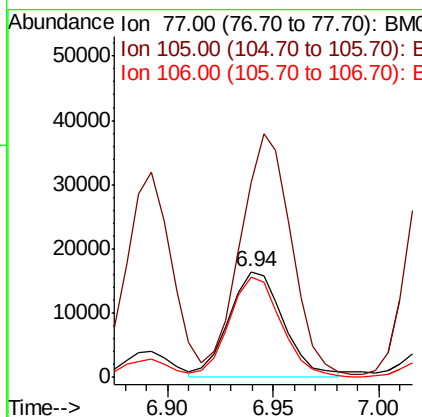
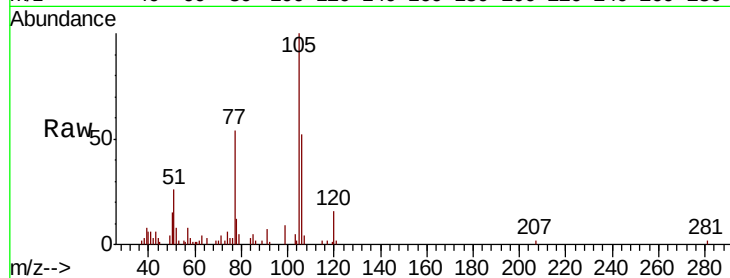
ClientSampled :

BFDM8

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 77      | 100   |       |        |
| 105     | 183.9 | 80.6  | 120.8# |
| 106     | 94.8  | 77.0  | 115.6  |

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#6

Phenol

Concen: 2.451 ng/ul

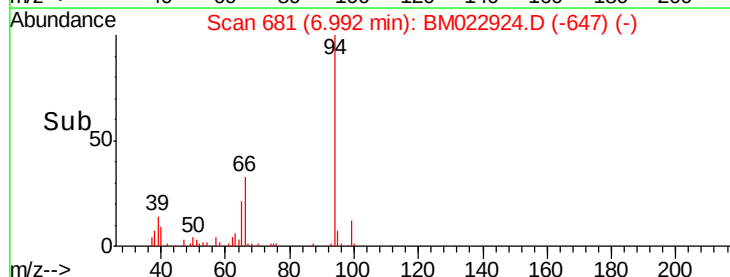
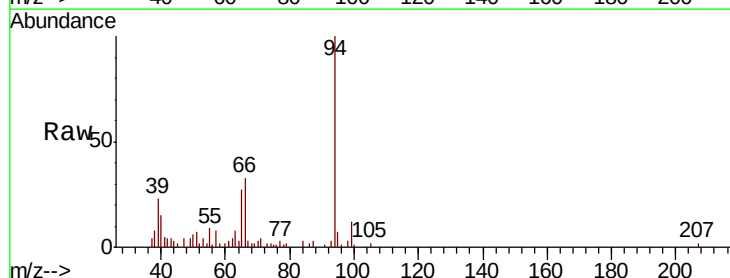
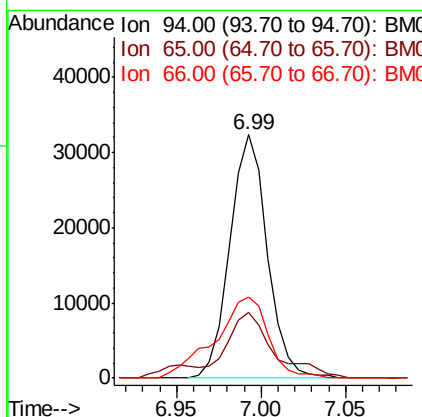
RT: 6.99 min Scan# 681

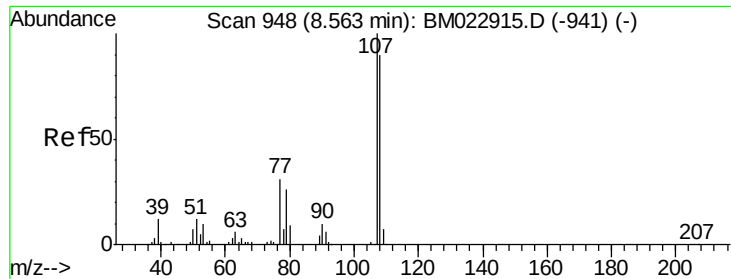
Delta R.T. -0.00 min

Lab File: BM022924.D

Acq: 03 Oct 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 27.2  | 20.9  | 31.3  |
| 66      | 33.2  | 27.2  | 40.8  |





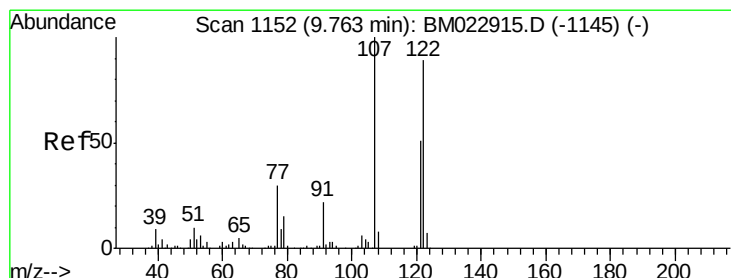
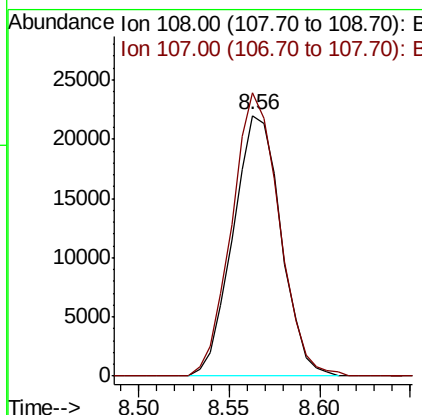
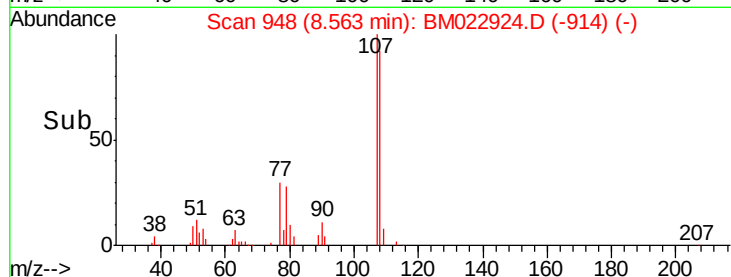
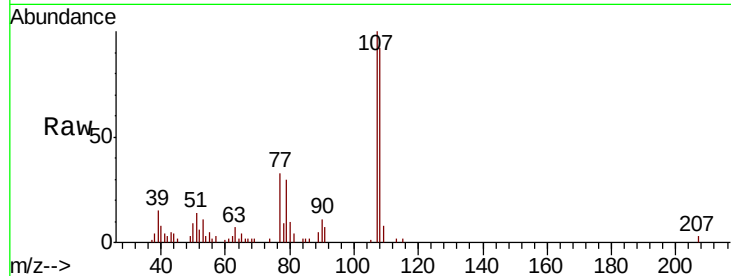
#16  
4-Methylphenol  
Concen: 2.331 ng/ul  
RT: 8.56 min Scan# 948  
Delta R.T. -0.00 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

Instrument :  
BNA\_M  
ClientSampled :  
BFDM8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 108     | 100   |       |       |
| 107     | 108.5 | 87.9  | 131.9 |

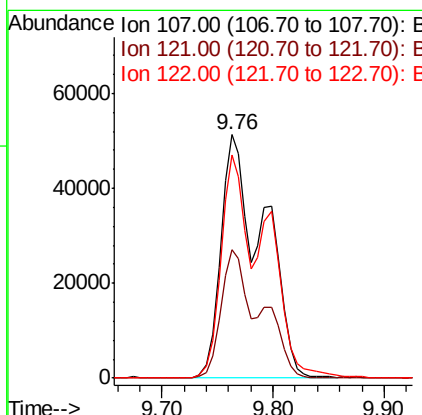
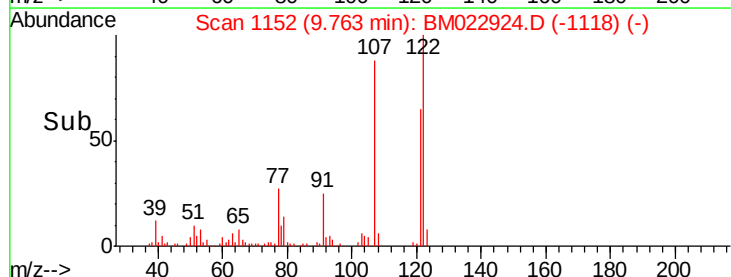
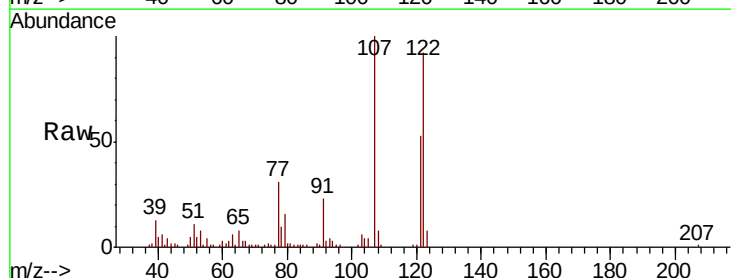
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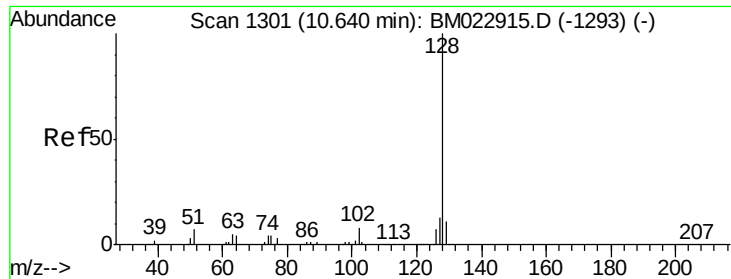
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#24  
2,4-Dimethylphenol  
Concen: 7.455 ng/ul m  
RT: 9.76 min Scan# 1152  
Delta R.T. -0.00 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 121     | 52.7  | 43.0  | 64.4  |
| 122     | 91.7  | 71.4  | 107.0 |





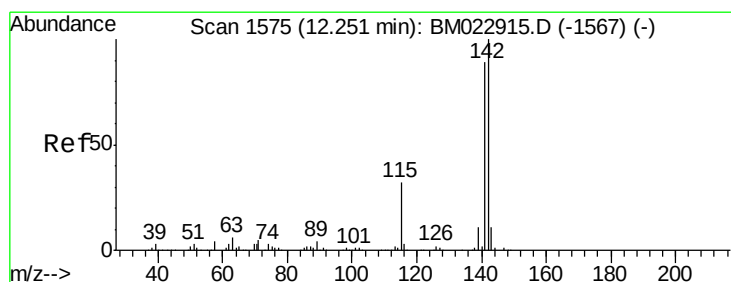
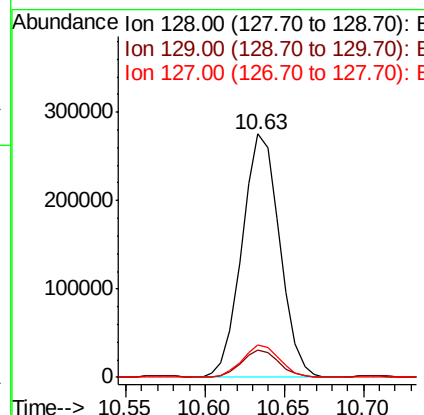
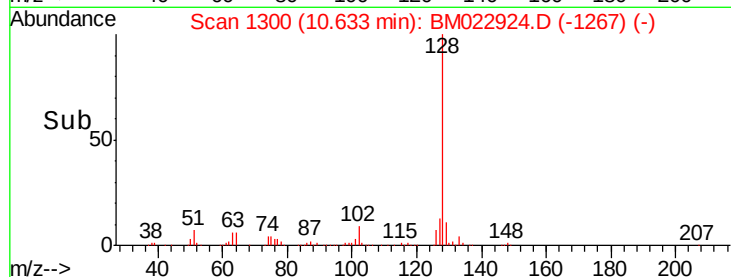
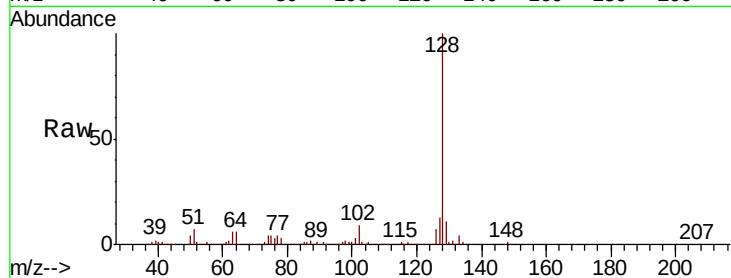
#28  
Naphthalene  
Concen: 8.651 ng/ul  
RT: 10.63 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

Instrument :  
BNA\_M  
ClientSampleId :  
BFDMS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.2  | 8.6   | 13.0  |
| 127     | 13.1  | 10.2  | 15.4  |

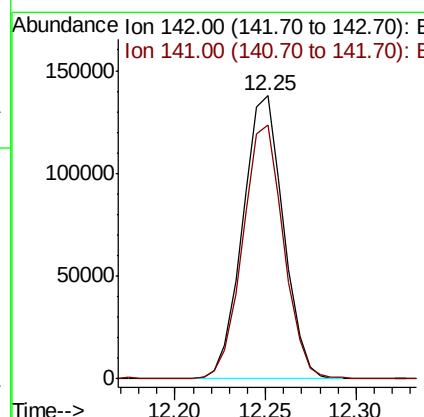
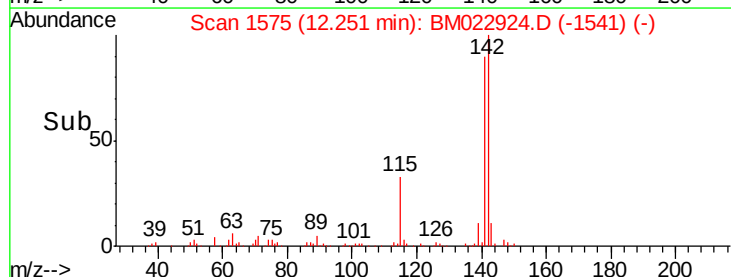
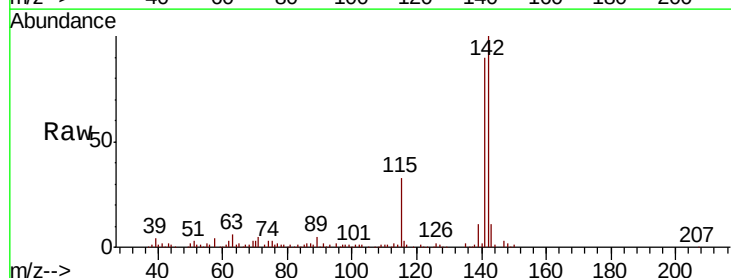
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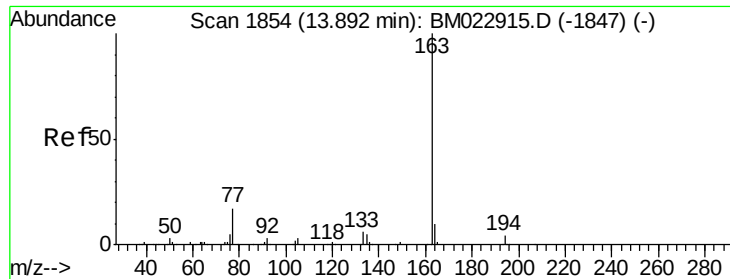
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#34  
2-Methylnaphthalene  
Concen: 5.479 ng/ul  
RT: 12.25 min Scan# 1575  
Delta R.T. -0.00 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.7  | 71.2  | 106.8 |





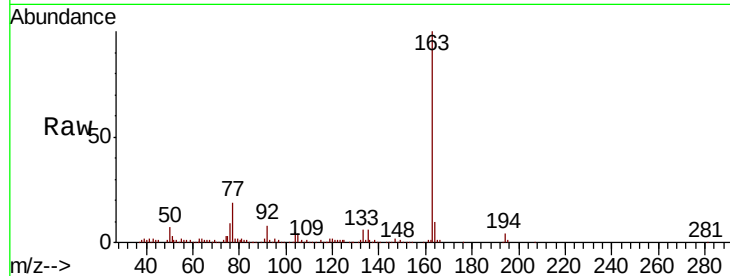
#45  
Dimethylphthalate  
Concen: 4.157 ng/ul  
RT: 13.89 min Scan# 1853  
Delta R.T. -0.01 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

Instrument :  
BNA\_M  
ClientSampleId :  
BFDM8

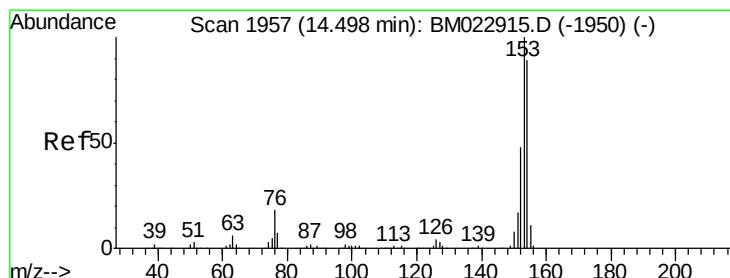
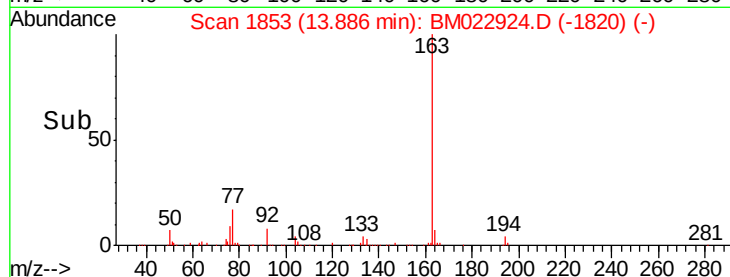
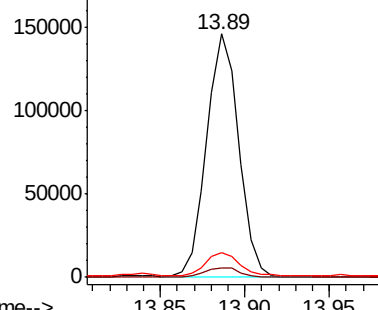
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 163   | Resp: | 192705 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.1   | 3.4   | 5.0    |
| 164       | 10.1  | 8.1   | 12.1   |

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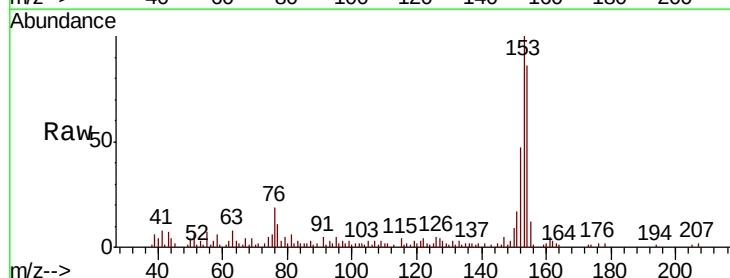


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

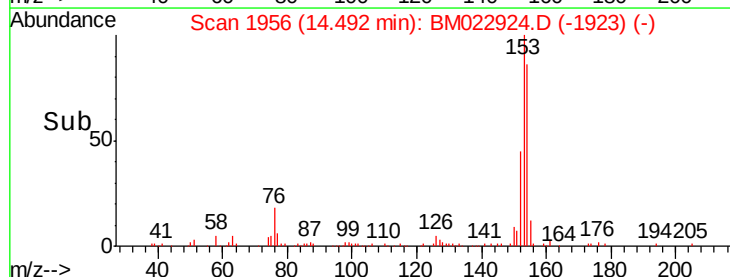
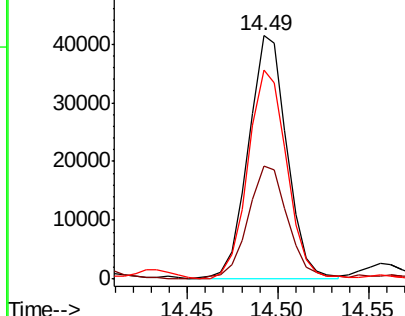


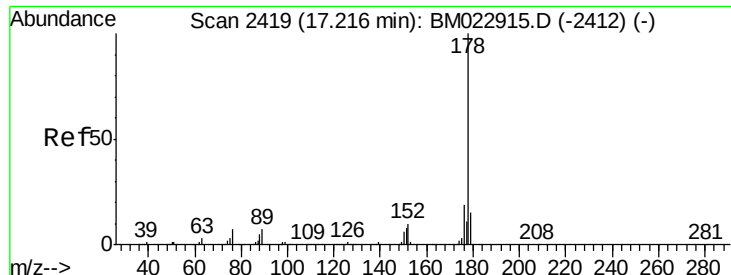
#50  
Acenaphthene  
Concen: 1.563 ng/ul  
RT: 14.49 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BM022924.D  
Acq: 03 Oct 2019 17:24

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 61240 |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 46.7  | 38.1  | 57.1  |
| 154       | 85.8  | 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





#70  
 Phenanthrene  
 Concen: 1.431 ng/ul  
 RT: 17.21 min Scan# 2418  
 Delta R.T. -0.01 min  
 Lab File: BM022924.D  
 Acq: 03 Oct 2019 17:24

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BFDM8

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 15.4  | 12.4  | 18.6  |
| 176     | 18.8  | 15.3  | 22.9  |

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