

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM103119\  
 Data File : BM023539.D  
 Acq On : 01 Nov 2019 02:52  
 Operator : JU  
 Sample : K5433-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLNFI

Quant Time: Nov 01 15:11:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM102319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Nov 01 08:19:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 465909   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 1905670  | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.26 | 164  | 1136289  | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.01 | 188  | 2358161  | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.20 | 240  | 2251941  | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.40 | 264  | 2698652  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.15  | 96  | 36937   | 3.77  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.79  | 99  | 784319  | 20.04 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 482307  | 21.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 643268  | 21.03 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.32  | 113 | 602242  | 18.95 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.76  | 128 | 329107  | 22.94 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.47  | 143 | 346431  | 21.76 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 637211  | 20.37 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 347517  | 9.66  | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.67 | 166 | 1986294 | 23.02 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.95 | 160 | 2378632 | 24.06 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.47 | 143 | 175150  | 11.72 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.26 | 176 | 1723182 | 23.58 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 137460  | 9.36  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.10 | 188 | 2589002 | 23.23 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.40 | 212 | 2767167 | 22.34 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.26 | 264 | 3222188 | 23.44 | ng/ul | 0.00 |

## Target Compounds

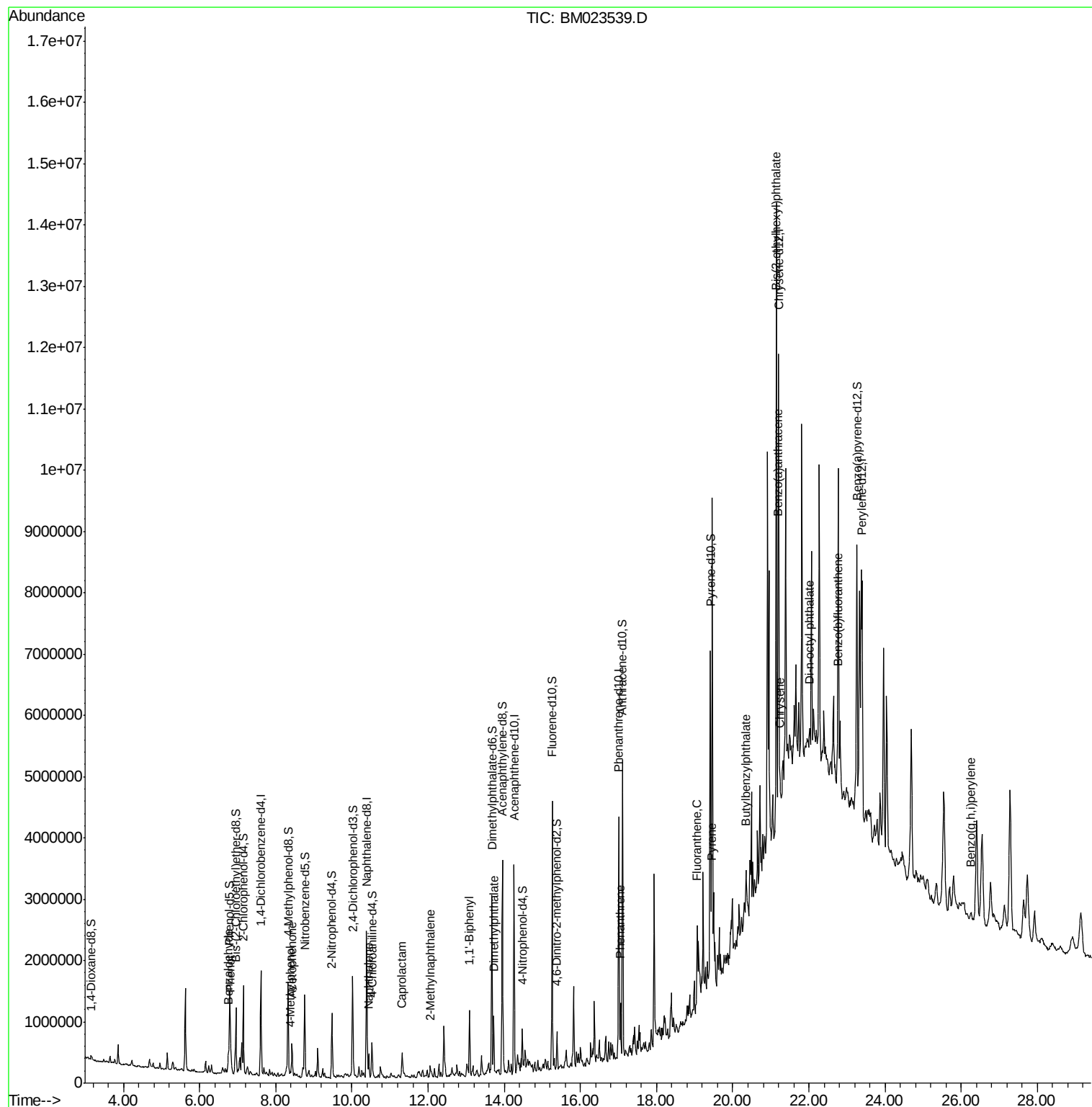
|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 4) Benzaldehyde                | 6.76  | 77  | 125841  | 5.586  | ng/ul  | 94  |
| 6) Phenol                      | 6.82  | 94  | 231347  | 5.741  | ng/ul  | 99  |
| 14) Acetophenone               | 8.43  | 105 | 270956  | 5.457  | ng/ul  | 97  |
| 16) 4-Methylphenol             | 8.38  | 108 | 36560   | 1.082  | ng/ul  | 97  |
| 28) Naphthalene                | 10.44 | 128 | 309352  | 3.167  | ng/ul  | 99  |
| 32) Caprolactam                | 11.32 | 113 | 84942   | 8.967  | ng/ul  | 100 |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 97427   | 1.306  | ng/ul  | 96  |
| 41) 1,1'-Biophenyl             | 13.09 | 154 | 554057  | 6.288  | ng/ul  | 99  |
| 45) Dimethylphthalate          | 13.72 | 163 | 593261  | 6.848  | ng/ul  | 97  |
| 70) Phenanthrene               | 17.04 | 178 | 512958  | 3.892  | ng/ul  | 98  |
| 77) Fluoranthene               | 19.07 | 202 | 492550  | 3.583  | ng/ul  | 99  |
| 80) Pyrene                     | 19.43 | 202 | 456308  | 2.870  | ng/ul  | 98  |
| 81) Butylbenzylphthalate       | 20.36 | 149 | 97039   | 1.490  | ng/ul  | 92  |
| 83) Benzo(a)anthracene         | 21.19 | 228 | 185269  | 1.230  | ng/ul# | 89  |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 3617865 | 39.638 | ng/ul  | 100 |
| 85) Chrysene                   | 21.24 | 228 | 245034  | 1.763  | ng/ul# | 95  |
| 87) Di-n-octyl phthalate       | 22.02 | 149 | 183852  | 1.158  | ng/ul  | 100 |
| 88) Benzo(b)fluoranthene       | 22.74 | 252 | 208900  | 1.205  | ng/ul# | 43  |
| 94) Benzo(g,h,i)perylene       | 26.26 | 276 | 143530  | 1.038  | ng/ul# | 94  |

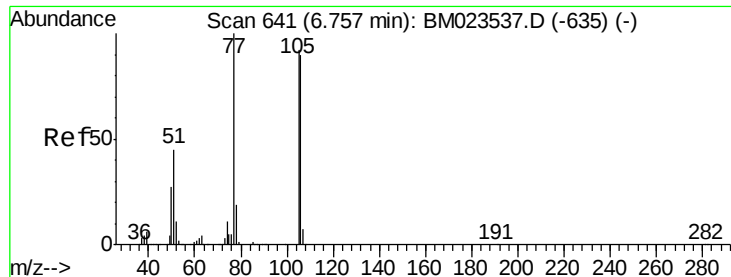
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
JLNF1

Quant Time: Nov 01 15:11:11 2019  
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Quant Title : SVOA CALIBRATION  
QLast Update : Fri Nov 01 08:19:37 2019  
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 5.586 ng/ul

RT: 6.76 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

BNA\_M

ClientSampled :

JLNF1

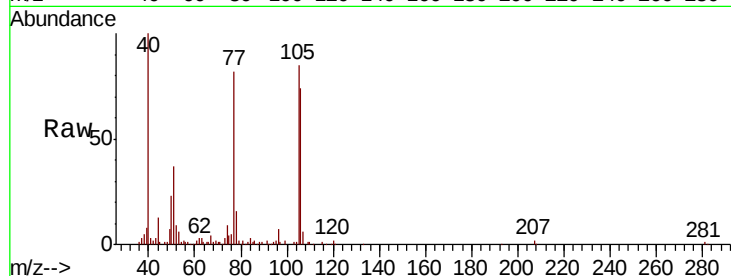
Tot Ion: 77 Resp: 125841

Ion Ratio Lower Upper

77 100

105 104.1 75.4 113.2

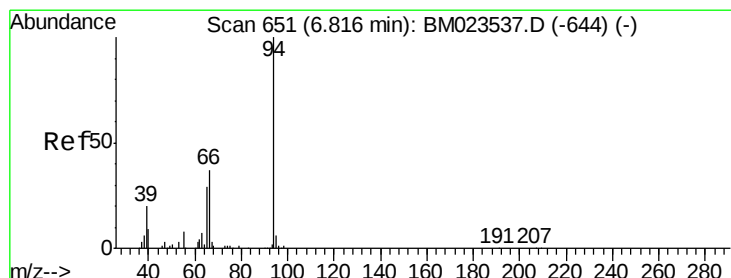
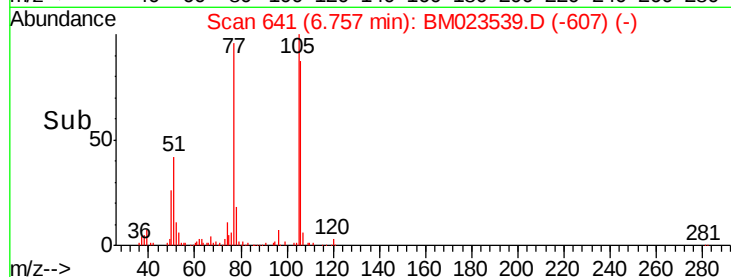
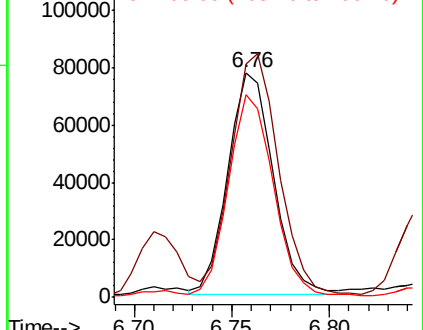
106 90.2 71.3 106.9



Abundance Ion 77.00 (76.70 to 77.70): BM023539.D (-607) (-)

Ion 105.00 (104.70 to 105.70): BM023539.D (-607) (-)

Ion 106.00 (105.70 to 106.70): BM023539.D (-607) (-)



#6

Phenol

Concen: 5.741 ng/ul

RT: 6.82 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

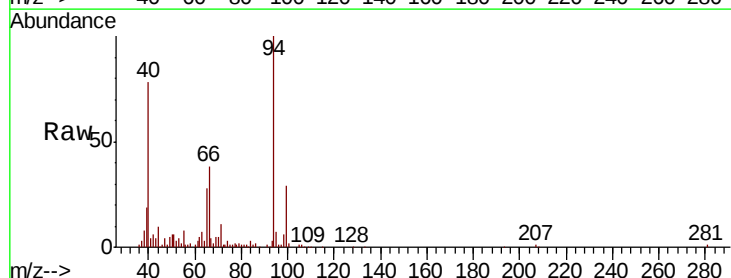
Tgt Ion: 94 Resp: 231347

Ion Ratio Lower Upper

94 100

65 28.2 22.9 34.3

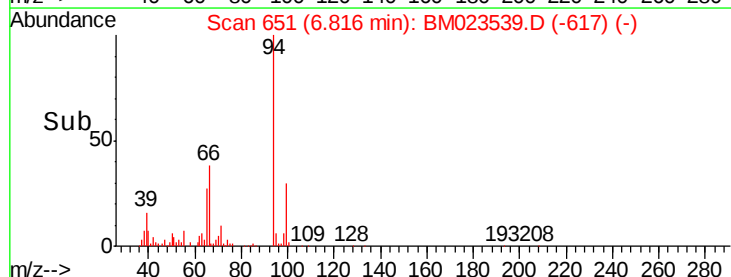
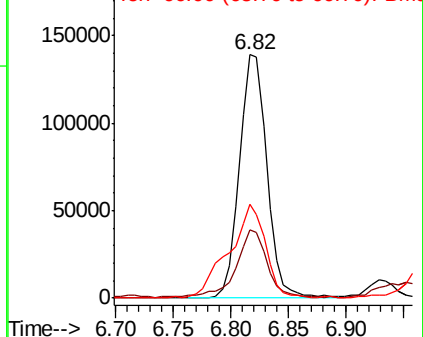
66 38.3 31.4 47.2

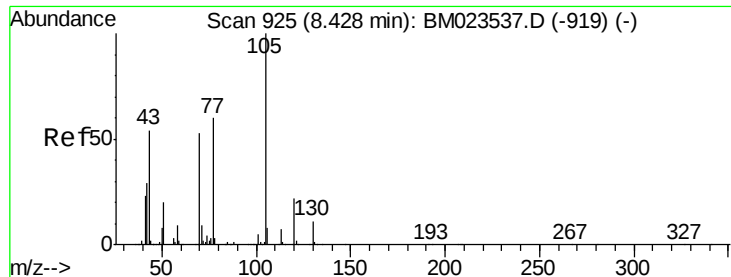


Abundance Ion 94.00 (93.70 to 94.70): BM023539.D (-617) (-)

Ion 65.00 (64.70 to 65.70): BM023539.D (-617) (-)

Ion 66.00 (65.70 to 66.70): BM023539.D (-617) (-)





#14

Acetophenone

Concen: 5.457 ng/ul

RT: 8.43 min Scan# 925

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

BNA\_M

ClientSampleId :

JLNF1

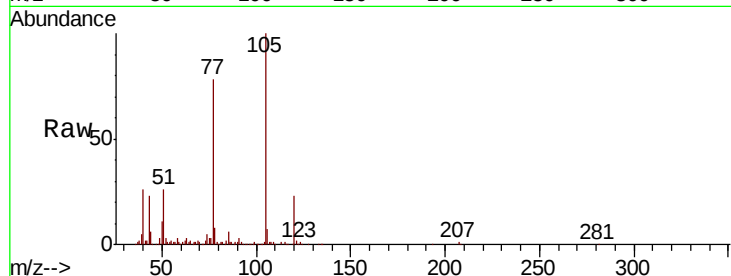
Tot Ion:105 Resp: 270956

Ion Ratio Lower Upper

105 100

77 77.7 64.8 97.2

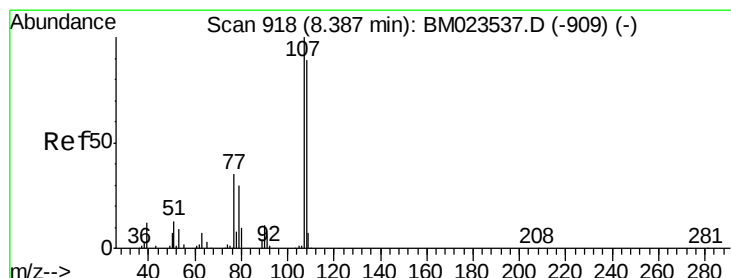
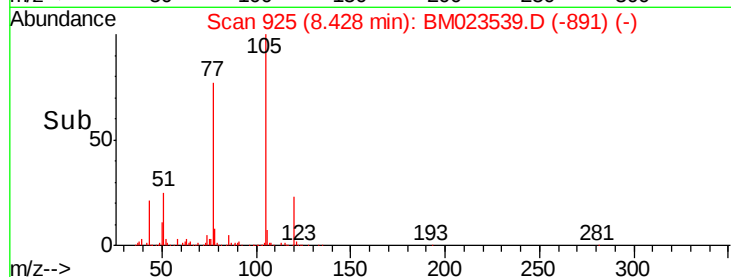
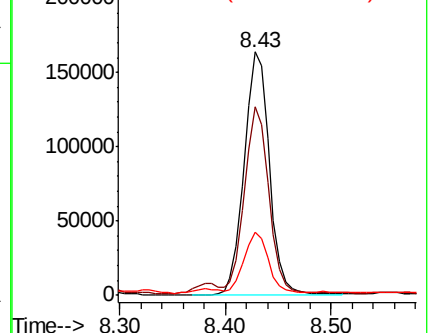
51 25.8 21.3 31.9



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#16

4-Methylphenol

Concen: 1.082 ng/ul

RT: 8.38 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM023539.D

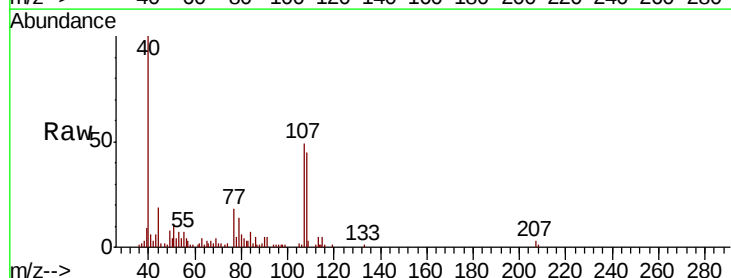
Acq: 01 Nov 2019 02:52

Tgt Ion:108 Resp: 36560

Ion Ratio Lower Upper

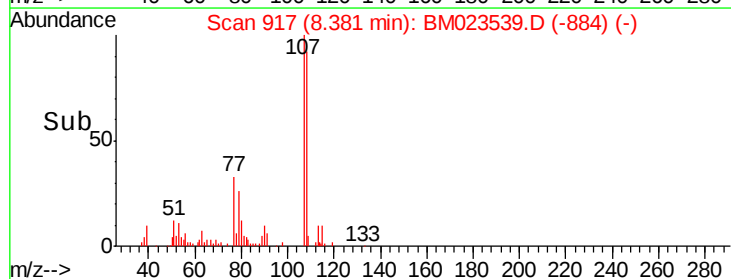
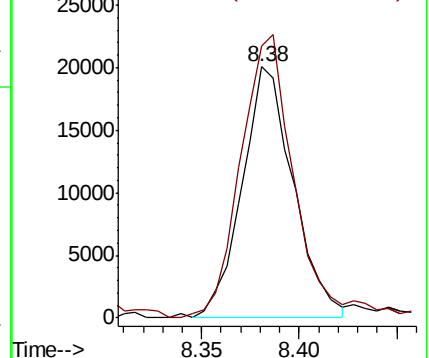
108 100

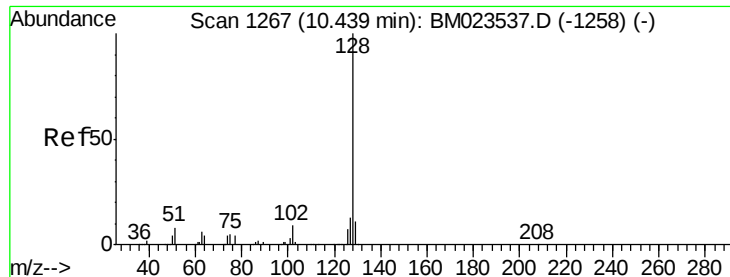
107 108.4 89.7 134.5



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E





#28

Naphthalene

Concen: 3.167 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

BNA\_M

ClientSampleId :

JLNF1

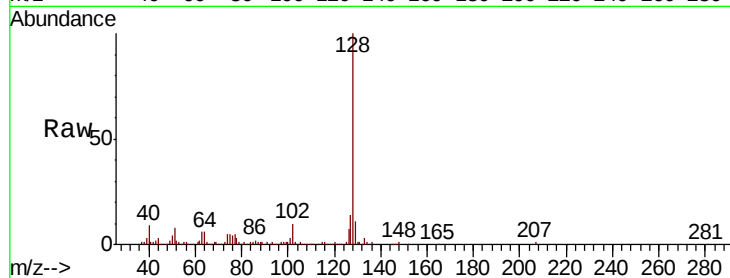
Tot Ion:128 Resp: 309352

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

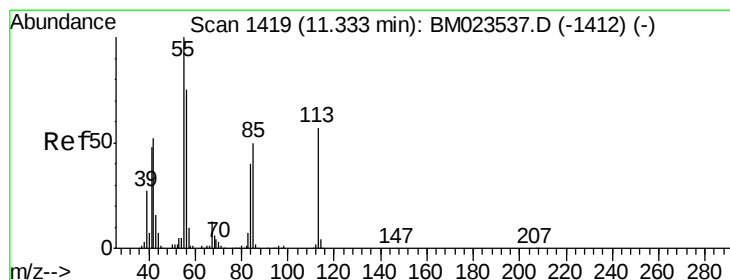
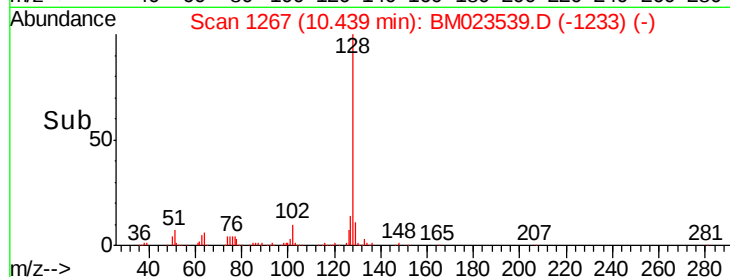
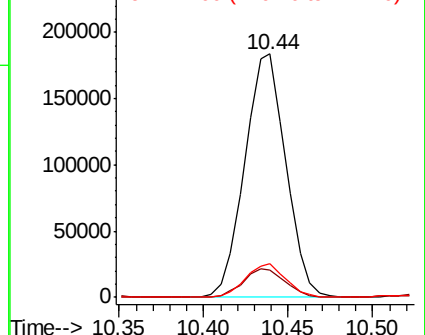
127 13.7 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Caprolactam

Concen: 8.967 ng/ul

RT: 11.32 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

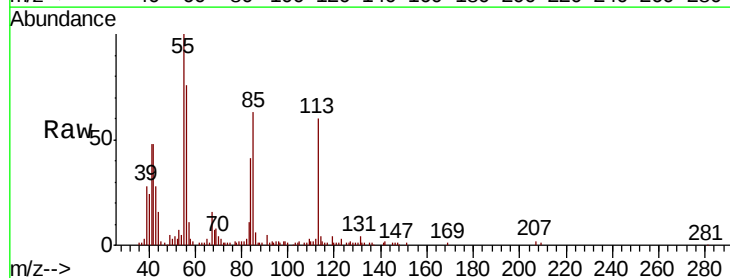
Tgt Ion:113 Resp: 84942

Ion Ratio Lower Upper

113 100

55 166.5 132.8 199.2

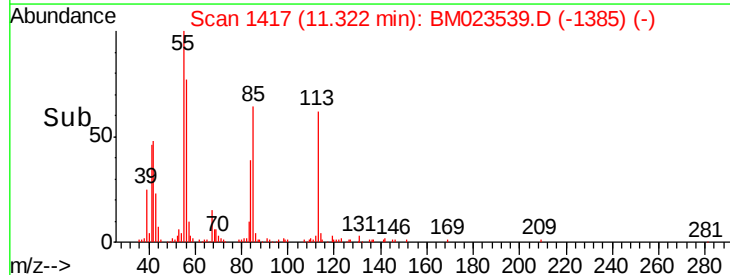
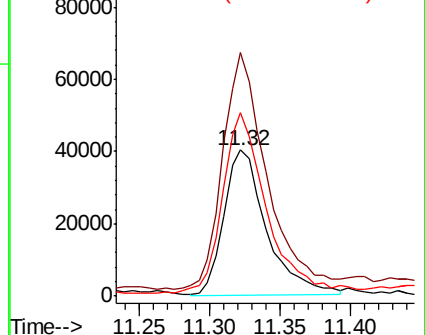
56 125.8 100.6 150.8

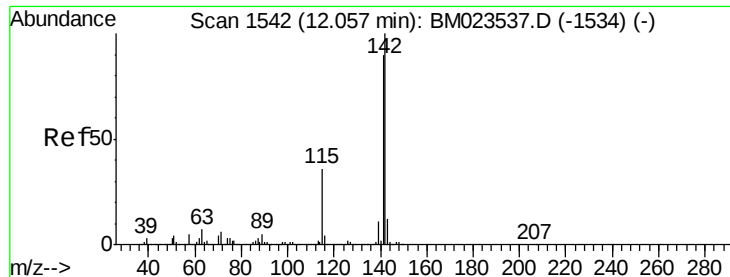


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM

Ion 56.00 (55.70 to 56.70): BM

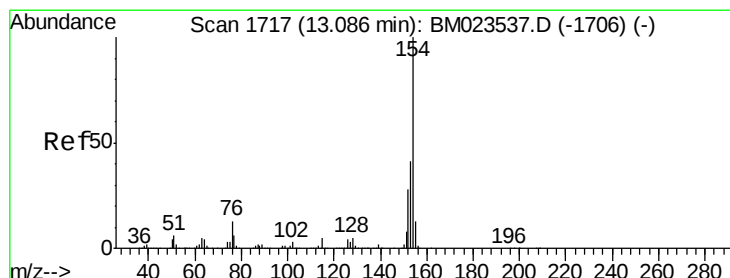
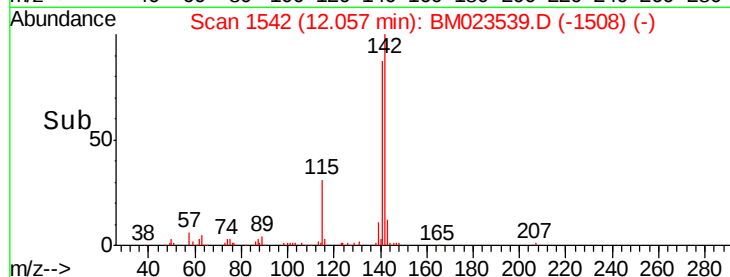
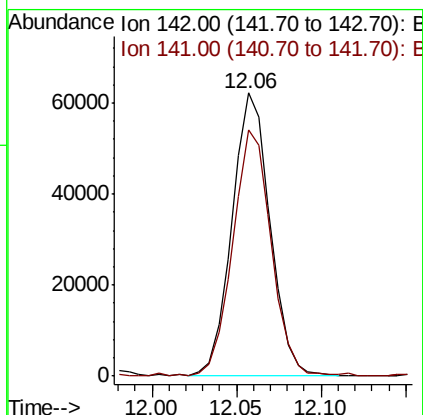
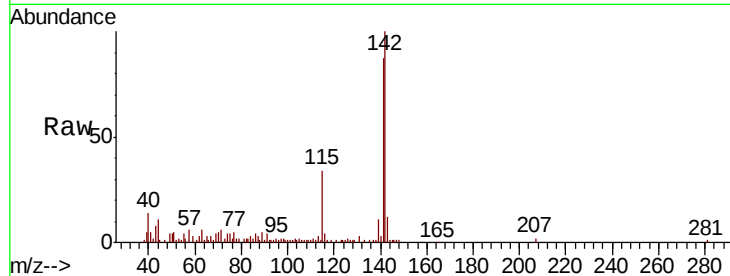




#34  
 2-Methylnaphthalene  
 Concen: 1.306 ng/ul  
 RT: 12.06 min Scan# 1542  
 Delta R.T. 0.00 min  
 Lab File: BM023539.D  
 Acq: 01 Nov 2019 02:52

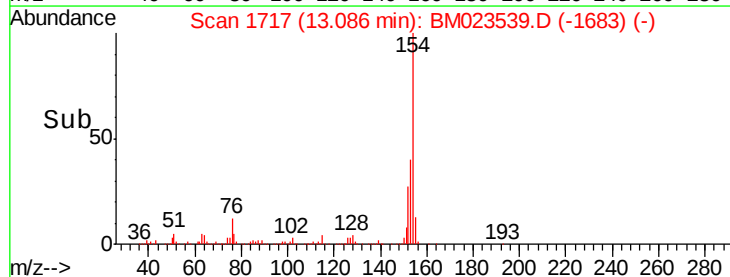
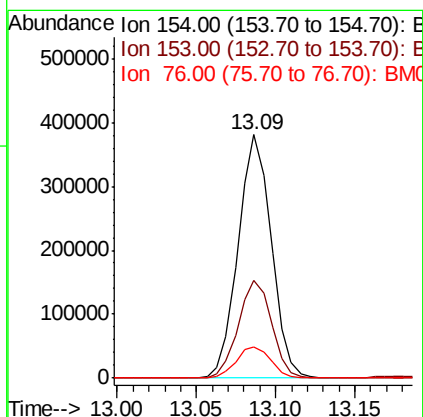
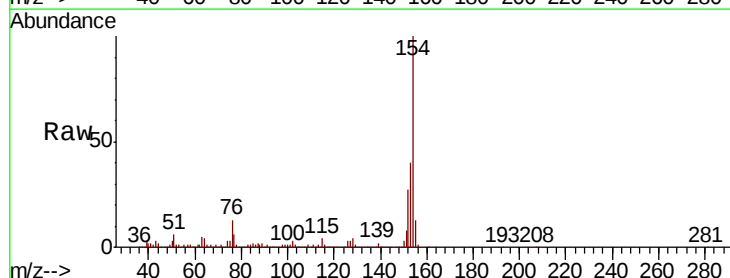
Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLN1

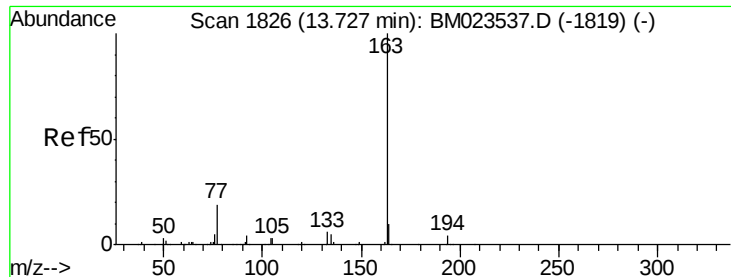
Tot Ion:142 Resp: 97427  
 Ion Ratio Lower Upper  
 142 100  
 141 87.1 72.4 108.6



#41  
 1,1'-Biphenyl  
 Concen: 6.288 ng/ul  
 RT: 13.09 min Scan# 1717  
 Delta R.T. 0.00 min  
 Lab File: BM023539.D  
 Acq: 01 Nov 2019 02:52

Tgt Ion:154 Resp: 554057  
 Ion Ratio Lower Upper  
 154 100  
 153 40.1 32.6 49.0  
 76 12.6 10.2 15.2

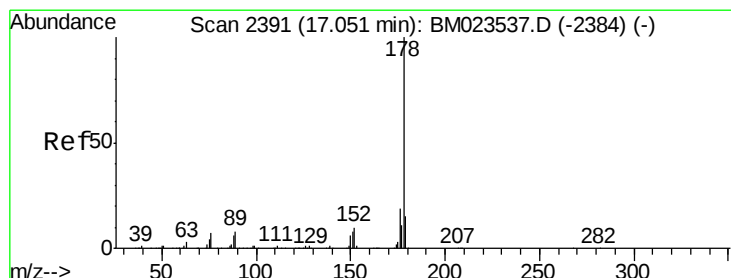
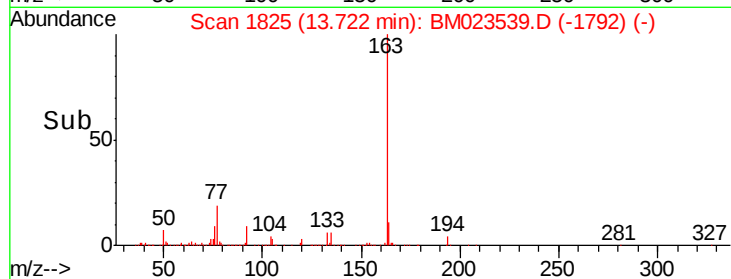
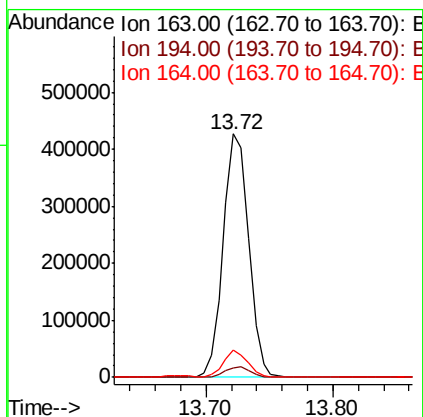
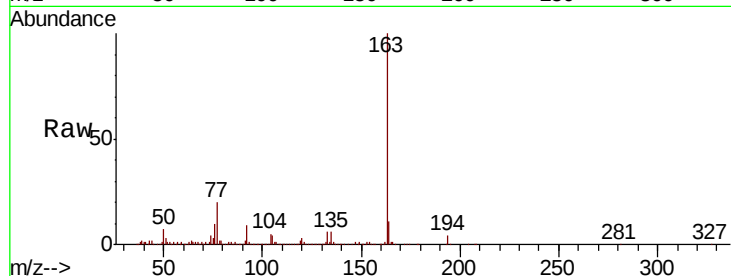




#45  
Dimethylphthalate  
Concen: 6.848 ng/ul  
RT: 13.72 min Scan# 1825  
Delta R.T. -0.01 min  
Lab File: BM023539.D  
Acq: 01 Nov 2019 02:52

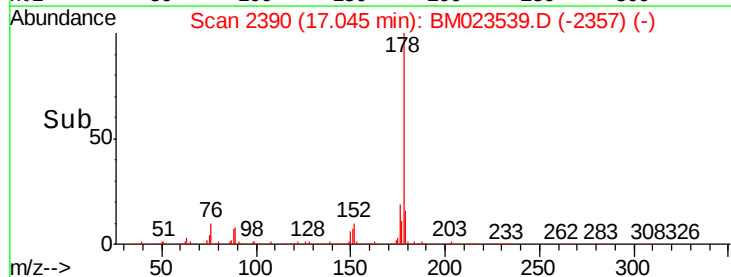
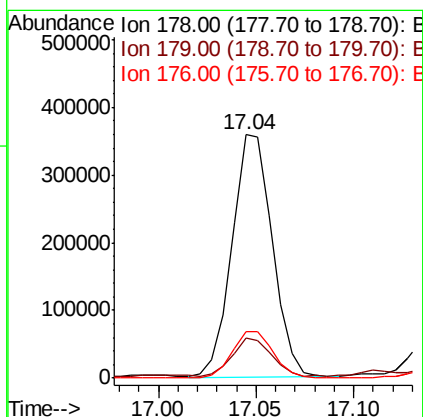
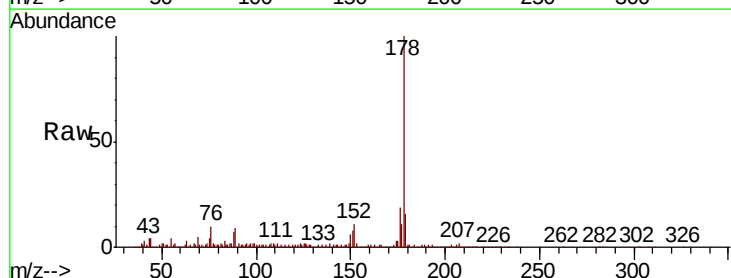
Instrument :  
BNA\_M  
ClientSampled :  
JLNF1

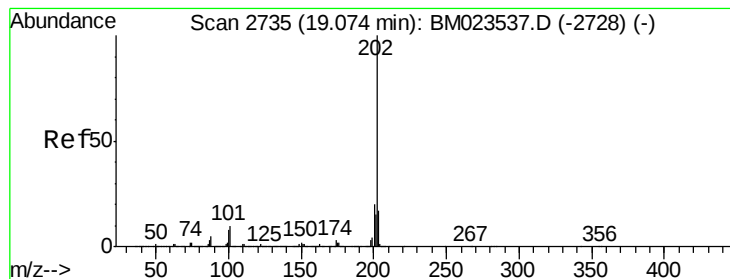
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.1   | 3.3   | 4.9   |
| 164     | 11.2  | 7.9   | 11.9  |



#70  
Phenanthrene  
Concen: 3.892 ng/ul  
RT: 17.04 min Scan# 2390  
Delta R.T. -0.01 min  
Lab File: BM023539.D  
Acq: 01 Nov 2019 02:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 16.3  | 12.2  | 18.2  |
| 176     | 19.0  | 14.9  | 22.3  |





#77

Fluoranthene

Concen: 3.583 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

BNA\_M

ClientSampleId :

JLNF1

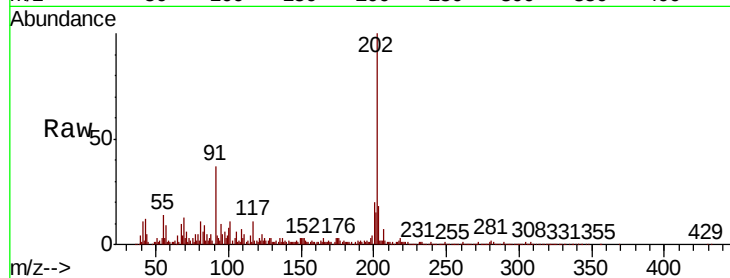
Tot Ion:202 Resp: 492550

Ion Ratio Lower Upper

202 100

101 10.6 8.1 12.1

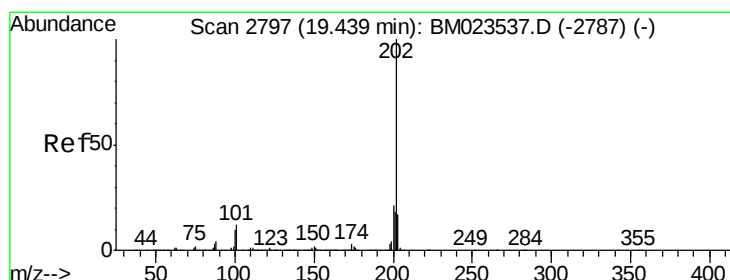
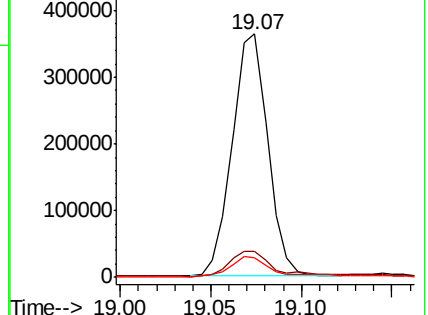
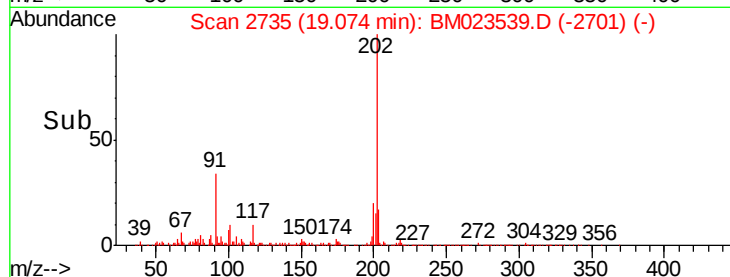
100 7.8 6.2 9.2



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



#80

Pyrene

Concen: 2.870 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

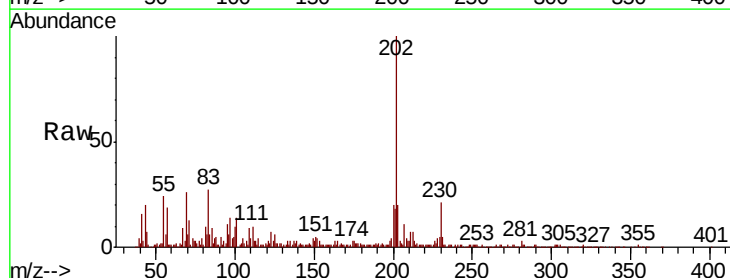
Tgt Ion:202 Resp: 456308

Ion Ratio Lower Upper

202 100

101 14.1 10.0 15.0

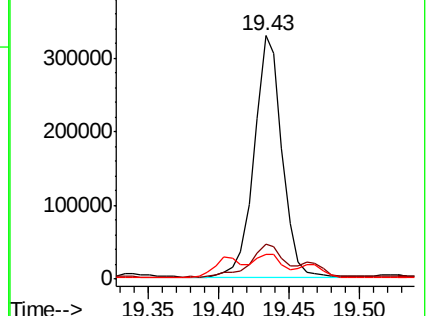
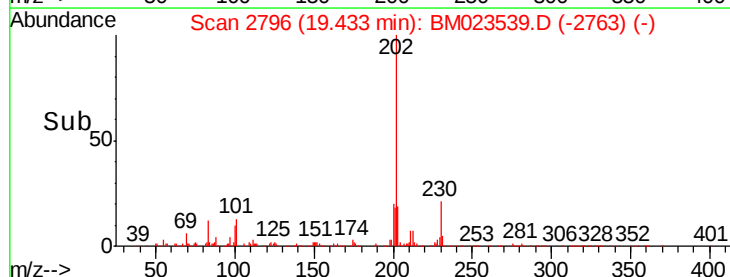
100 10.2 8.3 12.5

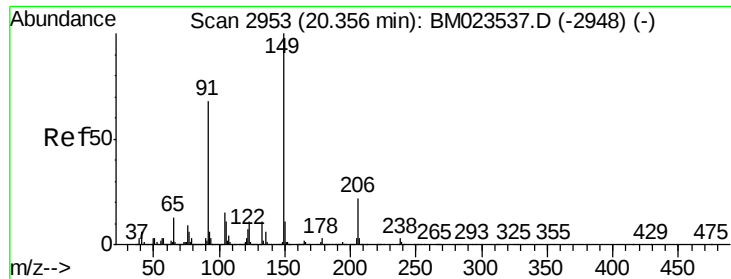


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

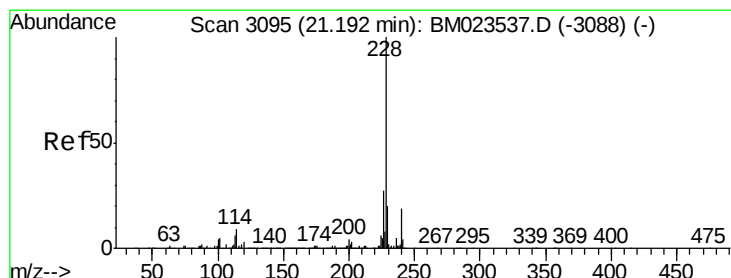
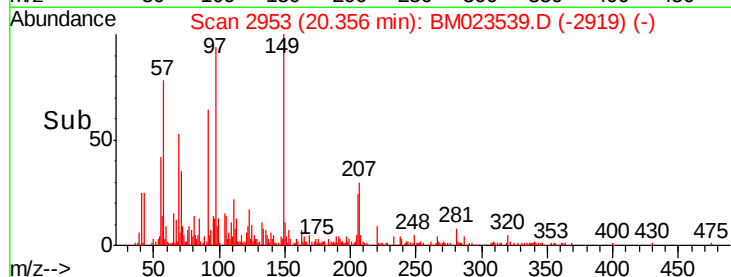
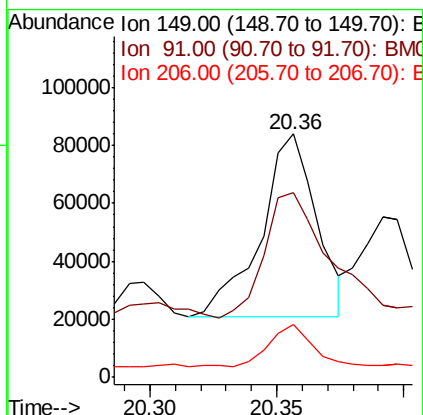
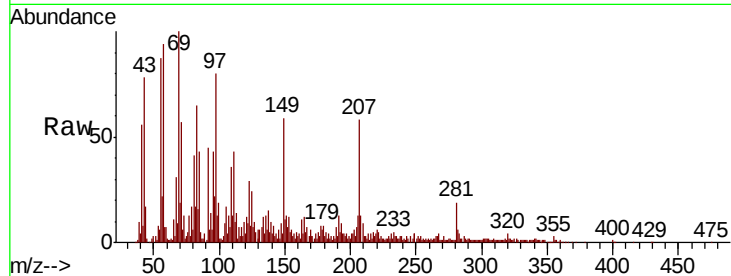




#81  
Butylbenzylphthalate  
Concen: 1.490 ng/ul  
RT: 20.36 min Scan# 2953  
Delta R.T. 0.00 min  
Lab File: BM023539.D  
Acq: 01 Nov 2019 02:52

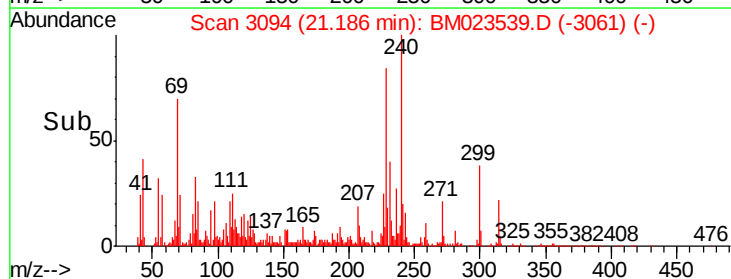
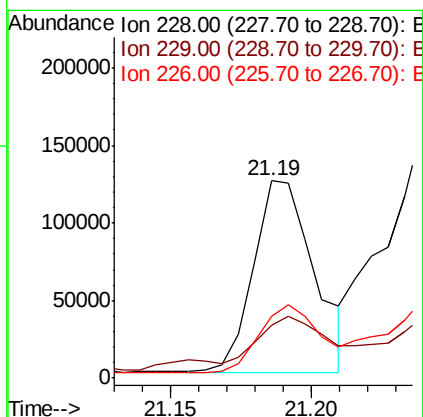
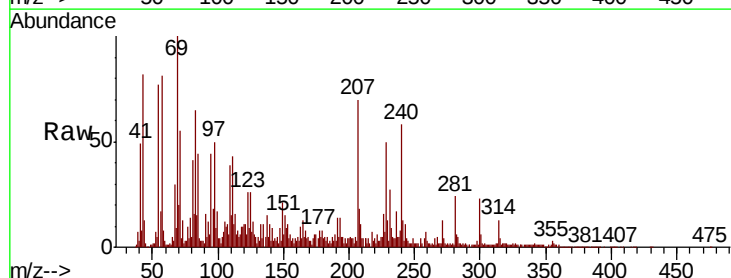
Instrument :  
BNA\_M  
ClientSampled :  
JLNF1

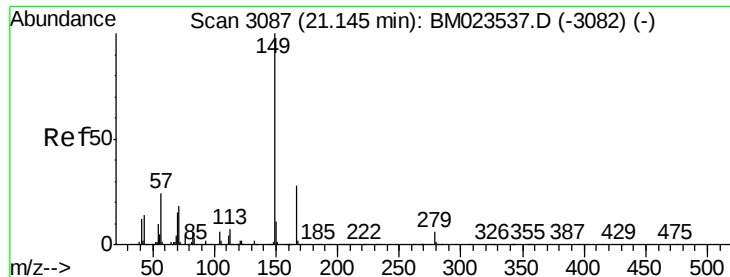
Tot Ion:149 Resp: 97039  
Ion Ratio Lower Upper  
149 100  
91 76.0 54.2 81.2  
206 21.7 17.7 26.5



#83  
Benzo(a)anthracene  
Concen: 1.230 ng/ul  
RT: 21.19 min Scan# 3094  
Delta R.T. -0.01 min  
Lab File: BM023539.D  
Acq: 01 Nov 2019 02:52

Tgt Ion:228 Resp: 185269  
Ion Ratio Lower Upper  
228 100  
229 26.8 15.8 23.8#  
226 31.3 21.6 32.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 39.638 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

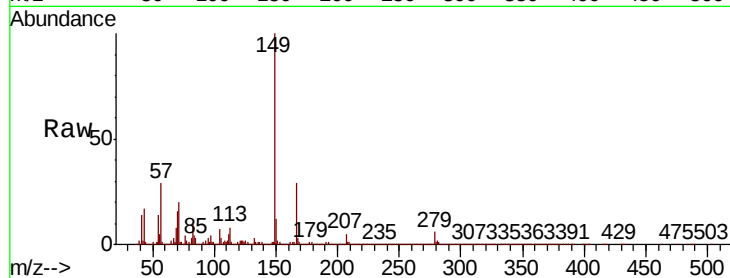
BNA\_M

ClientSampleId :

JLNF1

Tot Ion:149 Resp: 3617865

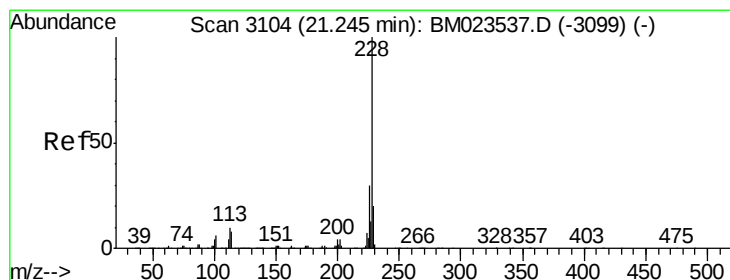
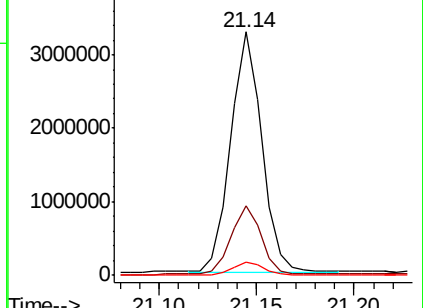
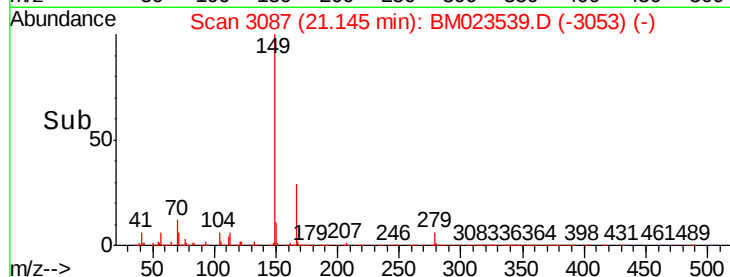
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.6  | 22.9  | 34.3  |
| 279 | 5.6   | 4.1   | 6.1   |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Chrysene

Concen: 1.763 ng/ul

RT: 21.24 min Scan# 3103

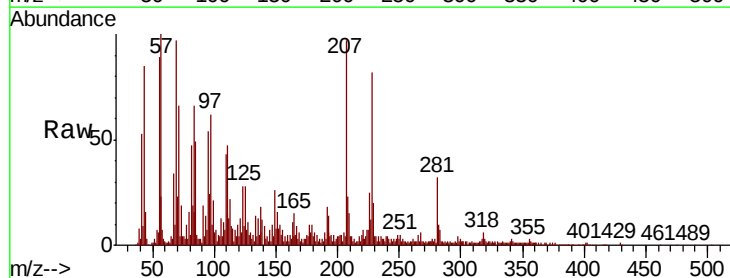
Delta R.T. -0.01 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Tgt Ion:228 Resp: 245034

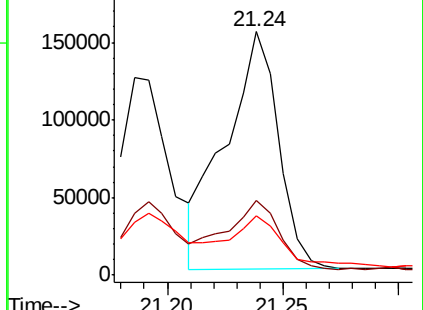
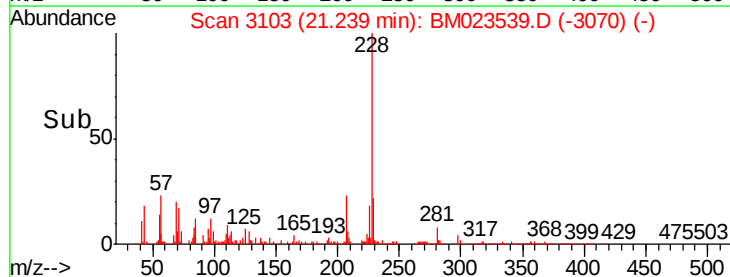
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.8  | 24.0  | 36.0  |
| 229 | 24.4  | 16.0  | 24.0  |

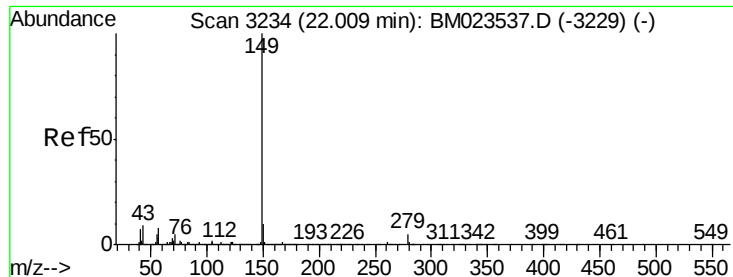


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

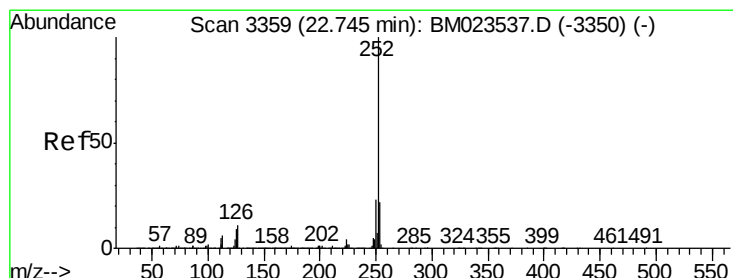
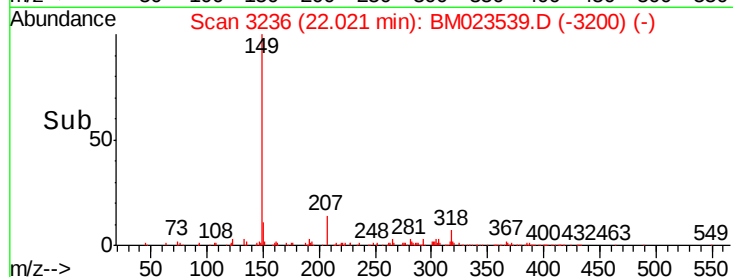
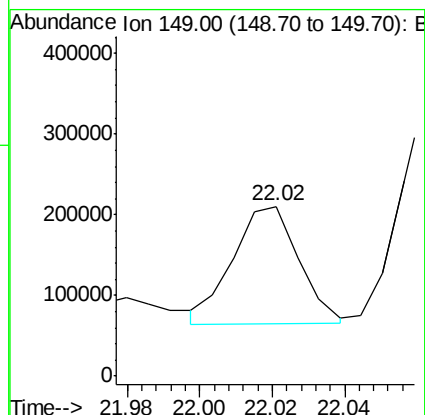
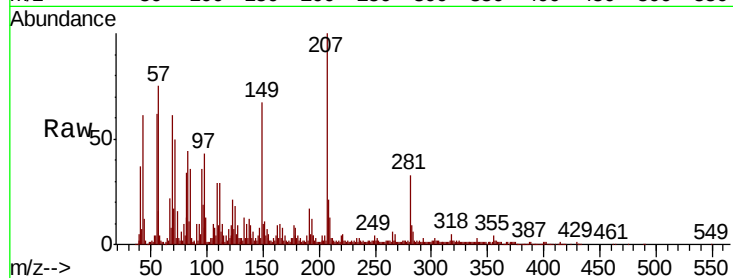




#87  
 Di-n-octyl phthalate  
 Concen: 1.158 ng/ul  
 RT: 22.02 min Scan# 3236  
 Delta R.T. 0.01 min  
 Lab File: BM023539.D  
 Acq: 01 Nov 2019 02:52

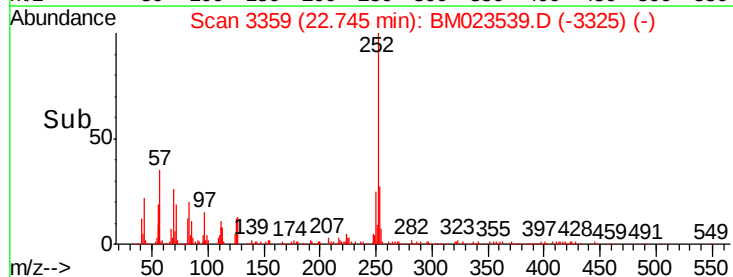
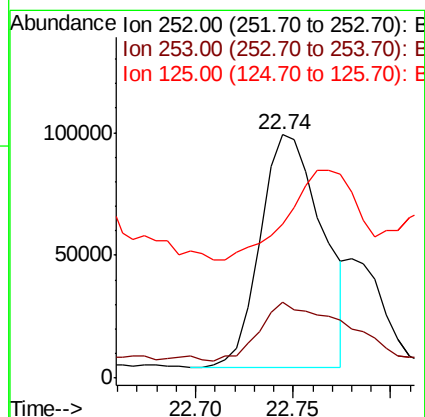
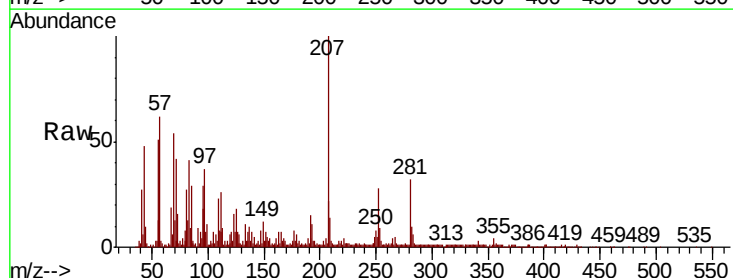
Instrument :  
 BNA\_M  
 ClientSampleId :  
 JLN1

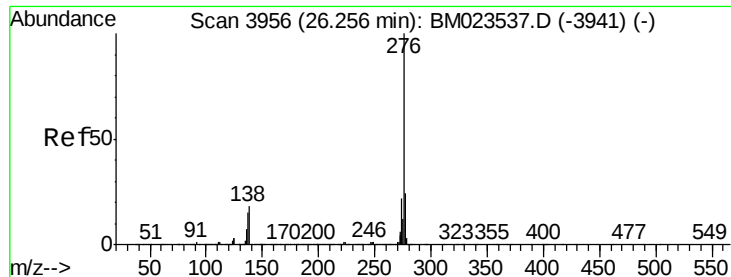
Tgt Ion:149 Resp: 183852



#88  
 Benzo(b)fluoranthene  
 Concen: 1.205 ng/ul  
 RT: 22.74 min Scan# 3359  
 Delta R.T. 0.00 min  
 Lab File: BM023539.D  
 Acq: 01 Nov 2019 02:52

Tgt Ion:252 Resp: 208900  
 Ion Ratio Lower Upper  
 252 100  
 253 31.1 17.5 26.3#  
 125 63.4 7.1 10.7#





#94

Benzo(a,h,i)perylene

Concen: 1.038 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. 0.01 min

Lab File: BM023539.D

Acq: 01 Nov 2019 02:52

Instrument :

BNA\_M

ClientSampleId :

JLNF1

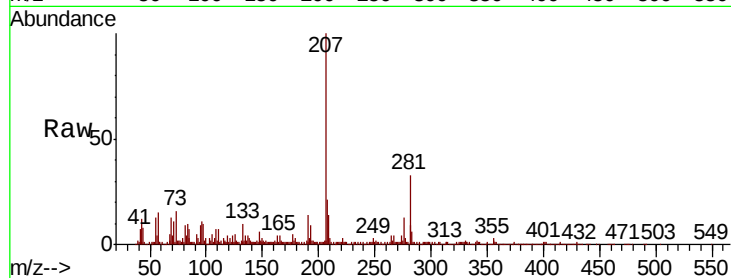
Tot Ion: 276 Resp: 143530

Ion Ratio Lower Upper

276 100

138 23.9 14.4 21.6#

277 23.7 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

