

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050119\  
 Data File : BM020091.D  
 Acq On : 01 May 2019 15:37  
 Operator : JU/SJ  
 Sample : K2624-04  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: May 02 01:29:50 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

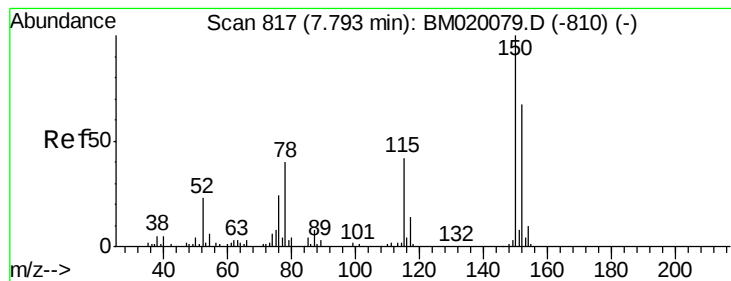
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 89885    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.58 | 136  | 319202   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.43 | 164  | 194274   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.17 | 188  | 481310   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.36 | 240  | 547640   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 23.64 | 264  | 632864   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.37  | 112  | 851618   | 154.87 | ng    | 0.00     |
| 7) Phenol-d6                | 6.95  | 99   | 1220808  | 162.51 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 891586   | 110.27 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.92 | 330  | 490337   | 162.61 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.05 | 172  | 1787378  | 113.20 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.80 | 244  | 3404657  | 108.44 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.30  | 88   | 675      | 0.250 | ng    | # 1    |
| 4) n-Nitrosodimethylamine      | 3.63  | 42   | 1043     | 0.472 | ng    | # 1    |
| 8) 2-Chlorophenol              | 7.35  | 128  | 119      | 0.020 | ng    | # 1    |
| 9) Benzaldehyde                | 6.95  | 77   | 3311     | 0.582 | ng    | # 12   |
| 10) Phenol                     | 6.97  | 94   | 7544     | 0.933 | ng    | # 80   |
| 24) Nitrobenzene               | 8.95  | 77   | 4067     | 0.485 | ng    | # 47   |
| 46) 1,1'-Biphenyl              | 13.27 | 154  | 2170     | 0.136 | ng    | # 87   |
| 50) Dimethylphthalate          | 13.89 | 163  | 127594   | 7.727 | ng    | # 99   |
| 52) Acenaphthene               | 14.43 | 154  | 655      | 0.056 | ng    | # 4    |
| 60) Diethylphthalate           | 15.25 | 149  | 330      | 0.020 | ng    | # 58   |
| 63) Azobenzene                 | 15.79 | 77   | 114      | 0.006 | ng    | # 55   |
| 71) Phenanthrene               | 17.22 | 178  | 668      | 0.025 | ng    | # 61   |
| 74) Di-n-butylphthalate        | 18.14 | 149  | 1852     | 0.064 | ng    | # 76   |
| 75) Fluoranthene               | 19.23 | 202  | 362      | 0.011 | ng    | # 65   |
| 77) Benzidine                  | 19.46 | 184  | 477      | 0.027 | ng    | # 66   |
| 78) Pyrene                     | 19.60 | 202  | 228      | 0.006 | ng    | # 58   |
| 80) Butylbenzylphthalate       | 20.49 | 149  | 301      | 0.023 | ng    | # 87   |
| 81) Benzo(a)anthracene         | 21.36 | 228  | 2464     | 0.064 | ng    | # 56   |
| 82) 3,3'-Dichlorobenzidine     | 21.28 | 252  | 268      | 0.018 | ng    | # 25   |
| 83) Chrysene                   | 21.40 | 228  | 958      | 0.026 | ng    | # 60   |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149  | 11343    | 0.547 | ng    | # 98   |
| 85) Di-n-octyl phthalate       | 22.15 | 149  | 396      | 0.011 | ng    | # 80   |
| 88) Benzo(b)fluoranthene       | 22.94 | 252  | 638      | 0.015 | ng    | # 1    |
| 89) Benzo(k)fluoranthene       | 23.00 | 252  | 312      | 0.008 | ng    | # 60   |
| 90) Benzo(a)pyrene             | 23.53 | 252  | 781      | 0.021 | ng    | # 1    |

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



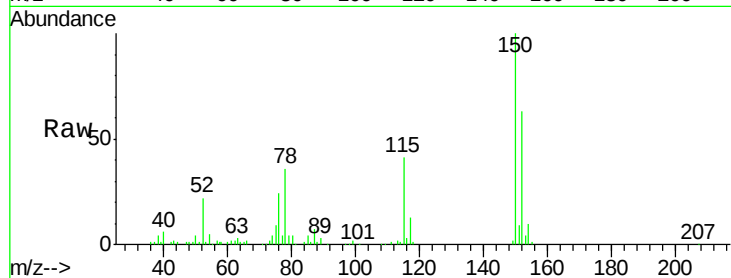


#1

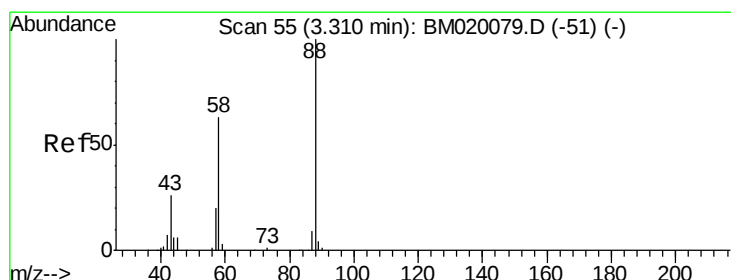
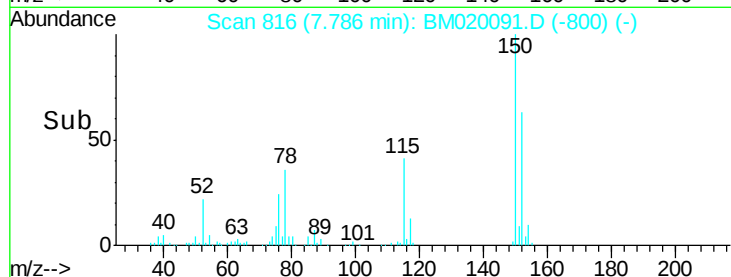
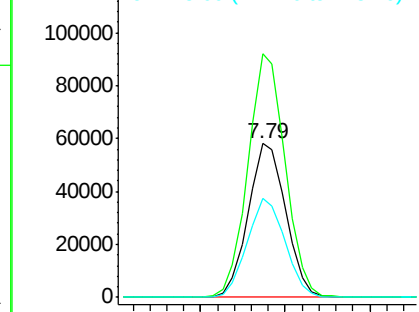
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.79 min Scan# 816  
Delta R.T. -0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:152 Resp: 89885  
Ion Ratio Lower Upper  
152 100  
150 158.2 119.8 179.8  
115 64.4 50.8 76.2



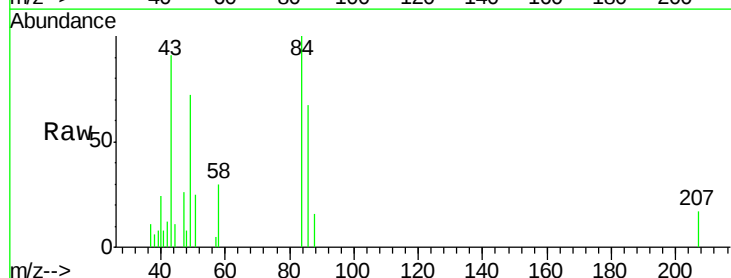
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



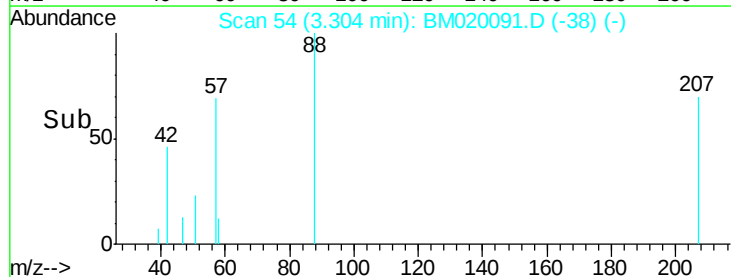
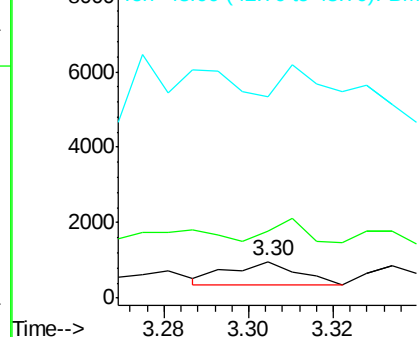
#2

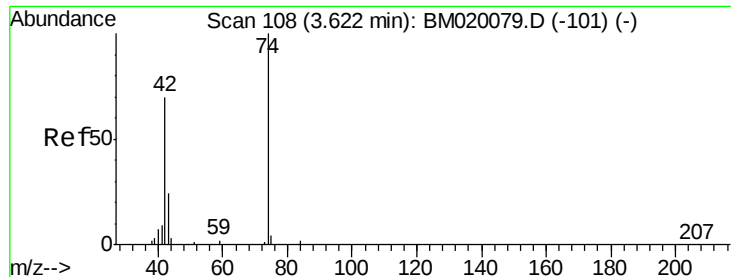
1,4-Dioxane  
Concen: 0.250 ng  
RT: 3.30 min Scan# 54  
Delta R.T. -0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

Tgt Ion: 88 Resp: 675  
Ion Ratio Lower Upper  
88 100  
58 85.2 51.8 77.6#  
43 253.8 20.3 30.5#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
Ion 58.00 (57.70 to 58.70): BM0  
Ion 43.00 (42.70 to 43.70): BM0



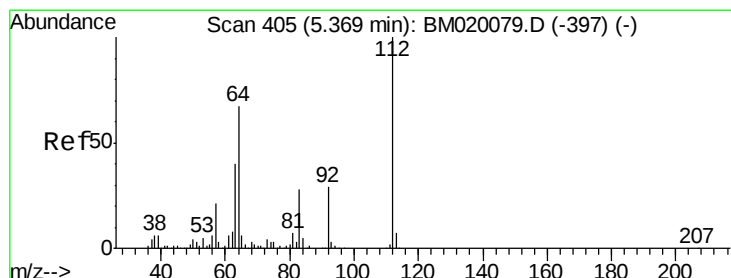
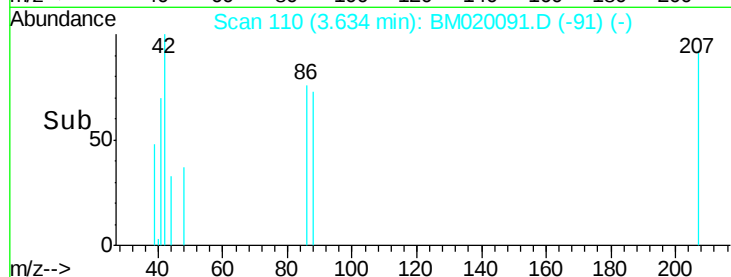
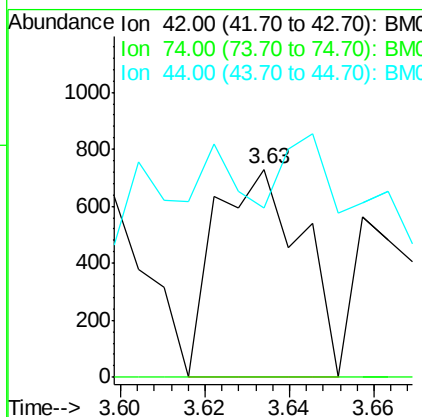
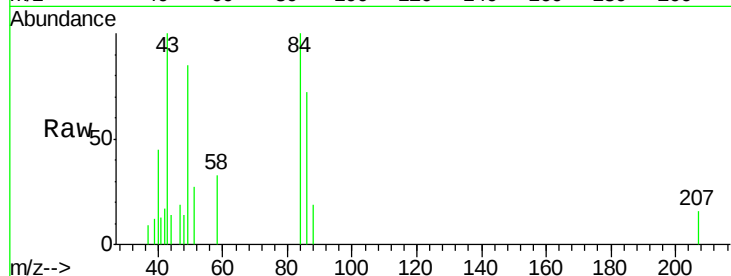


#4

n-Nitrosodimethylamine  
 Concen: 0.472 ng  
 RT: 3.63 min Scan# 110  
 Delta R.T. 0.01 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

Instrument :  
 BNA\_M  
 ClientSampled :

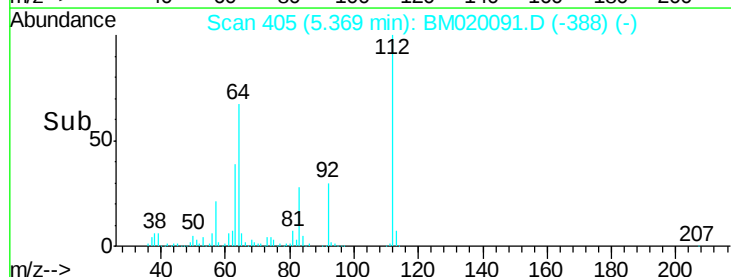
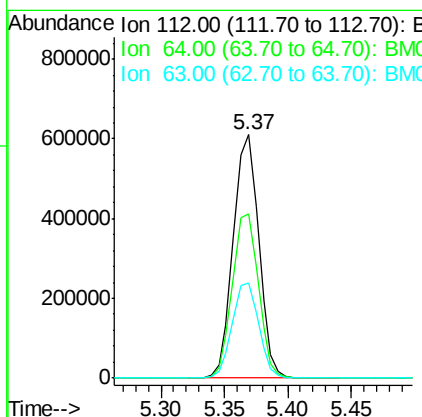
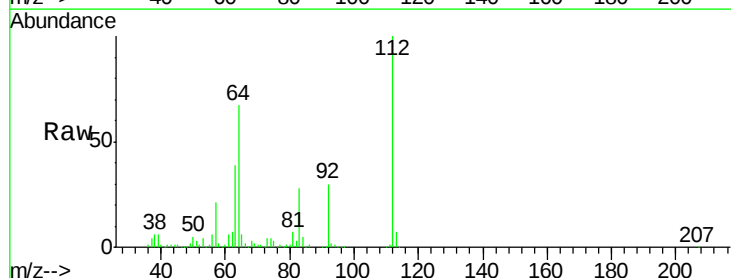
| Tot Ion   | 42    | Resp  | 1043   |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 42        | 100   |       |        |
| 74        | 0.0   | 113.7 | 170.5# |
| 44        | 81.3  | 3.9   | 5.9#   |

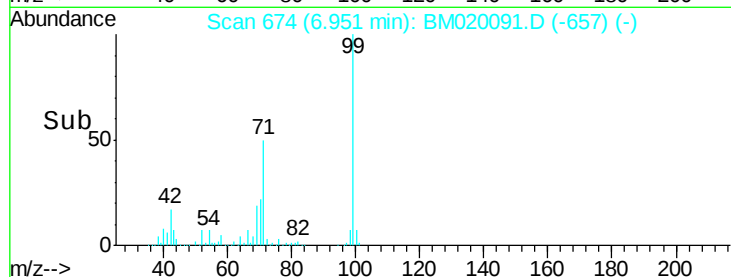
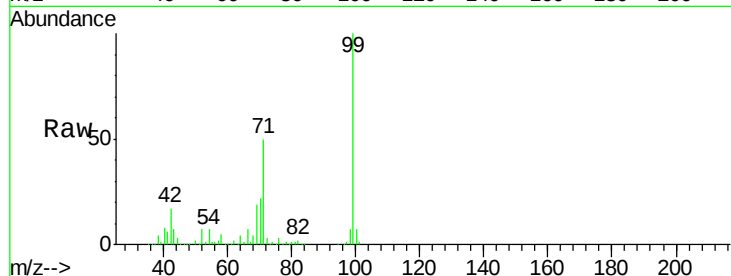
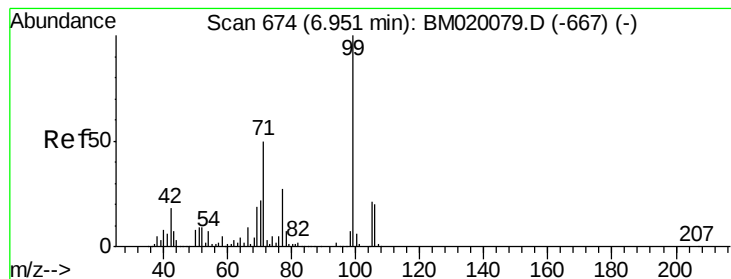


#5

2-Fluorophenol  
 Concen: 154.870 ng  
 RT: 5.37 min Scan# 405  
 Delta R.T. -0.00 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

| Tgt Ion   | 112   | Resp  | 851618 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 67.3  | 53.8  | 80.6   |
| 63        | 38.8  | 32.3  | 48.5   |





#7

Phenol-d6

Concen: 162.508 ng

RT: 6.95 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

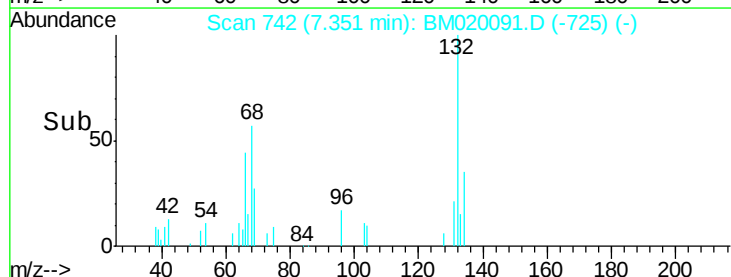
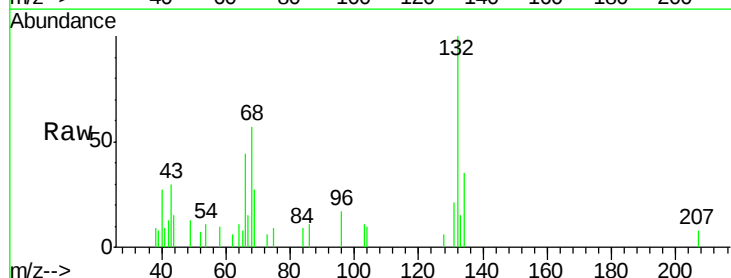
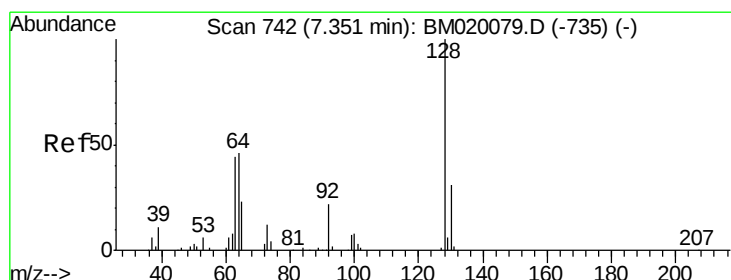
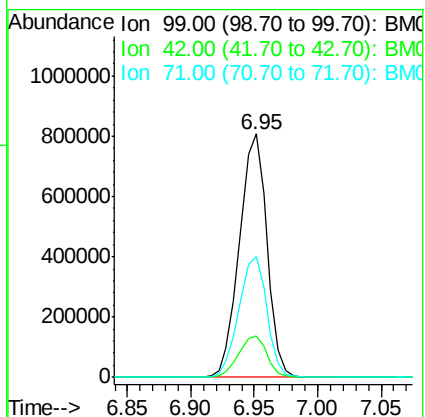
Tot Ion: 99 Resp: 1220808

Ion Ratio Lower Upper

99 100

42 17.0 14.2 21.2

71 49.8 40.3 60.5



#8

2-Chlorophenol

Concen: 0.020 ng

RT: 7.35 min Scan# 742

Delta R.T. -0.00 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

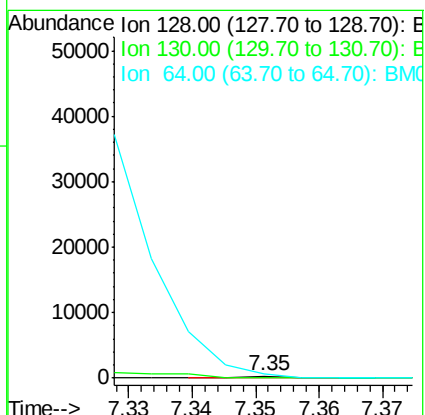
Tgt Ion: 128 Resp: 119

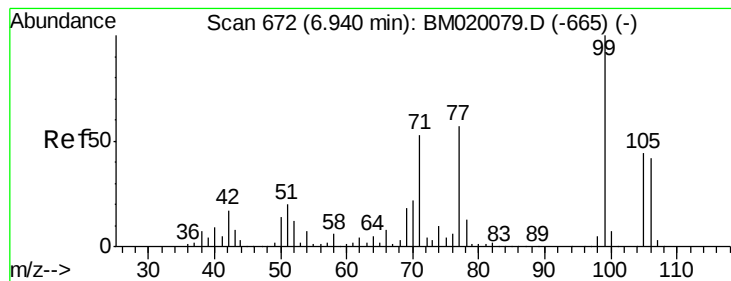
Ion Ratio Lower Upper

128 100

130 0.0 10.8 50.8#

64 164.1 36.5 76.5#





#9

Benzaldehyde

Concen: 0.582 ng

RT: 6.95 min Scan# 674

Delta R.T. 0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampled :

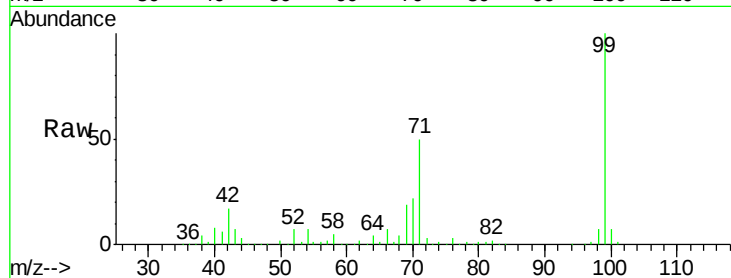
Tot Ion: 77 Resp: 3311

Ion Ratio Lower Upper

77 100

105 0.0 57.8 97.8#

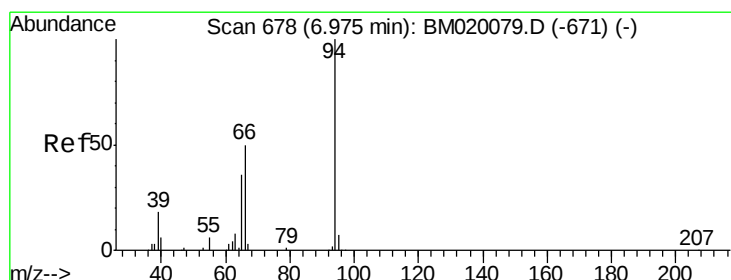
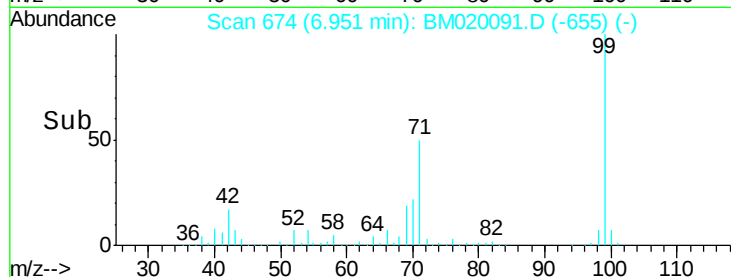
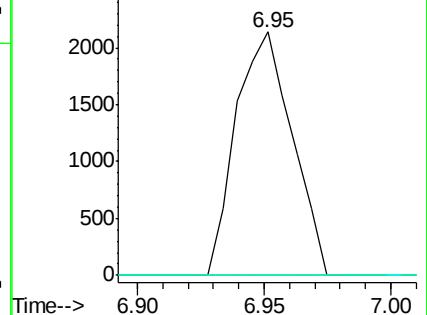
106 0.0 53.6 93.6#



Abundance Ion 77.00 (76.70 to 77.70): BM020091.D (-665) (-)

Ion 105.00 (104.70 to 105.70): BM020091.D (-665) (-)

Ion 106.00 (105.70 to 106.70): BM020091.D (-665) (-)



#10

Phenol

Concen: 0.933 ng

RT: 6.97 min Scan# 678

Delta R.T. -0.00 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

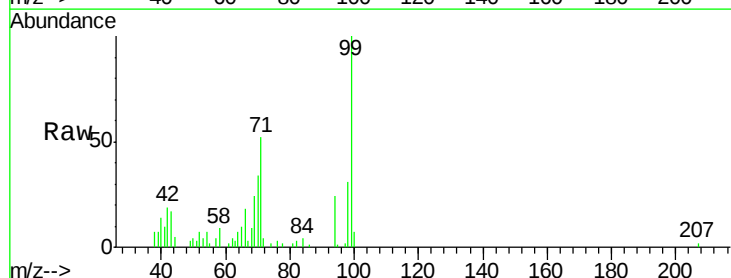
Tgt Ion: 94 Resp: 7544

Ion Ratio Lower Upper

94 100

65 42.7 17.0 57.0

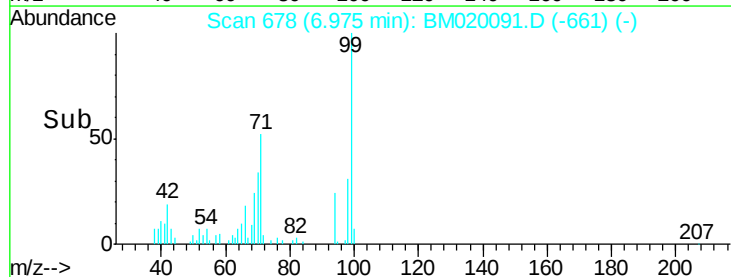
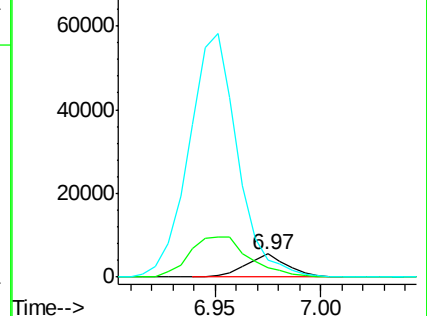
66 73.5 34.5 74.5

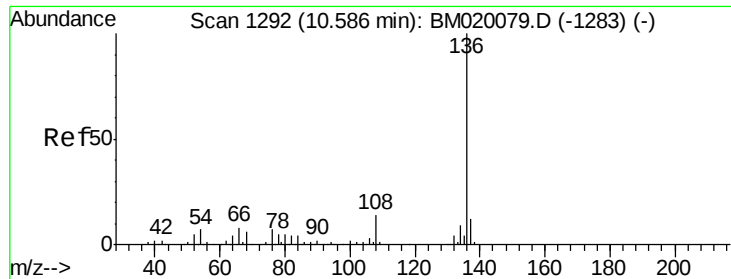


Abundance Ion 94.00 (93.70 to 94.70): BM020091.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM020091.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM020091.D (-661) (-)

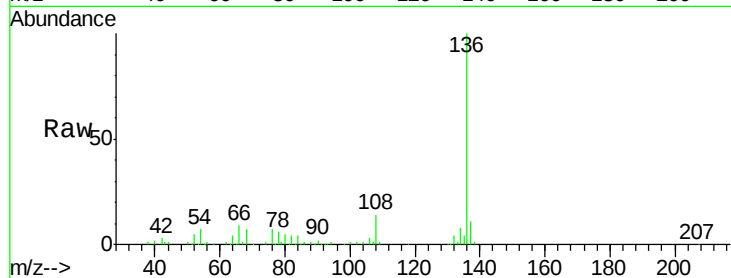




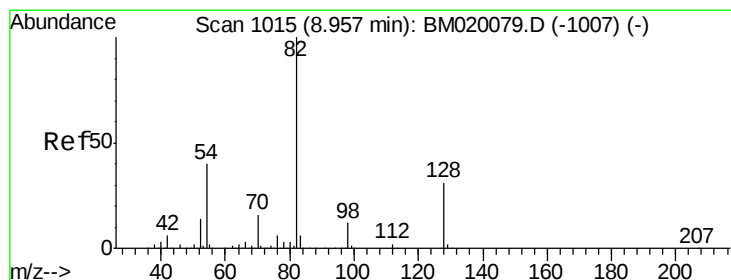
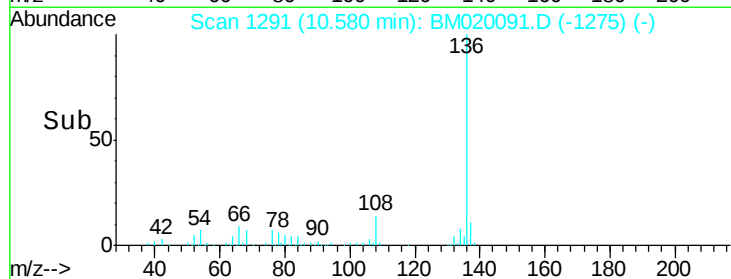
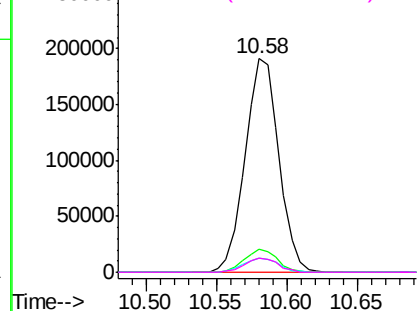
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.58 min Scan# 1291  
Delta R.T. -0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

Instrument :  
BNA\_M  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 319202      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 9.6 14.4    |
| 54          | 6.8   | 5.5 8.3     |
| 68          | 6.7   | 4.6 6.8     |

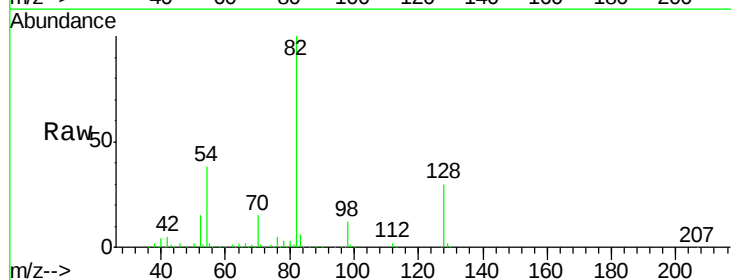


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BM  
Ion 68.00 (67.70 to 68.70): BM

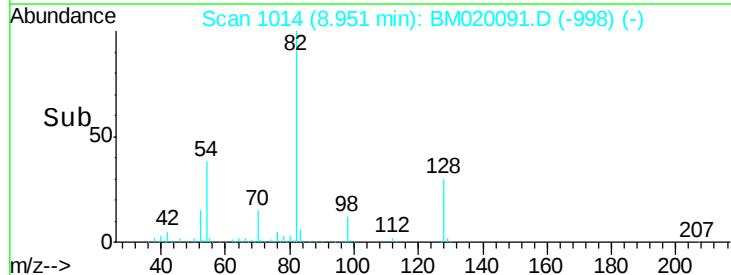
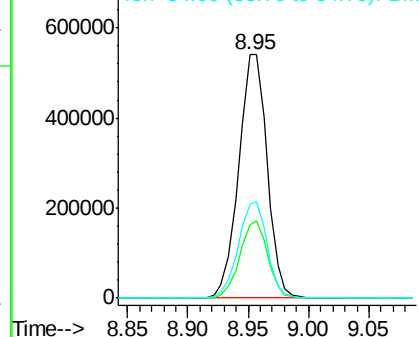


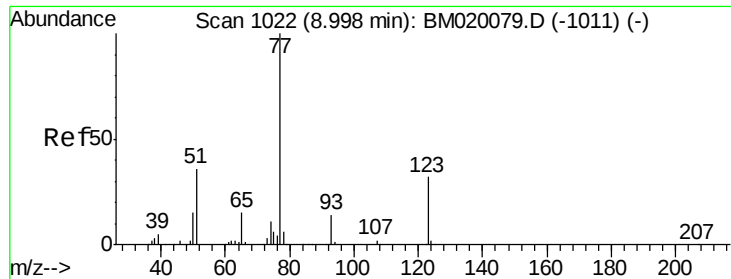
#23  
Nitrobenzene-d5  
Concen: 110.275 ng  
RT: 8.95 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 891586      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 30.3  | 25.2 37.8   |
| 54          | 38.4  | 31.9 47.9   |



Abundance Ion 82.00 (81.70 to 82.70): BM  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM

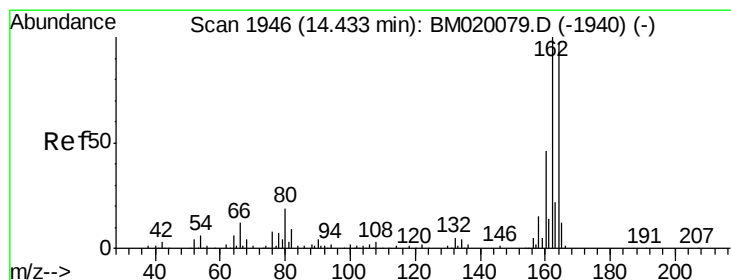
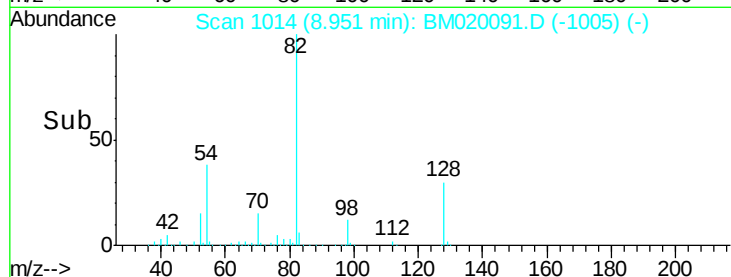
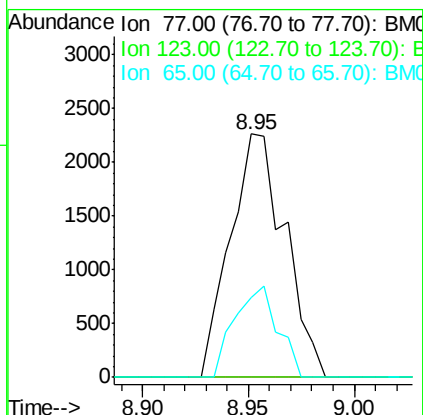
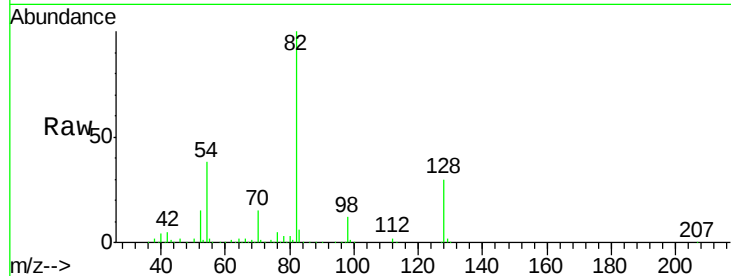




#24  
 Nitrobenzene  
 Concen: 0.485 ng  
 RT: 8.95 min Scan# 1014  
 Delta R.T. -0.05 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

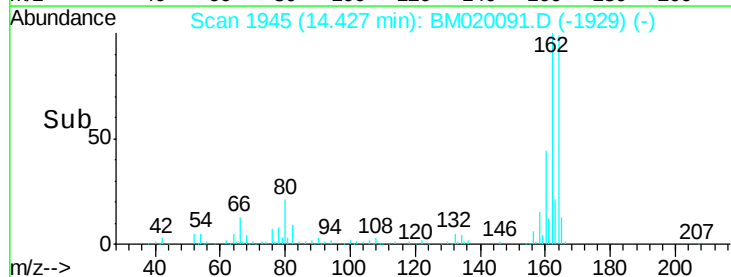
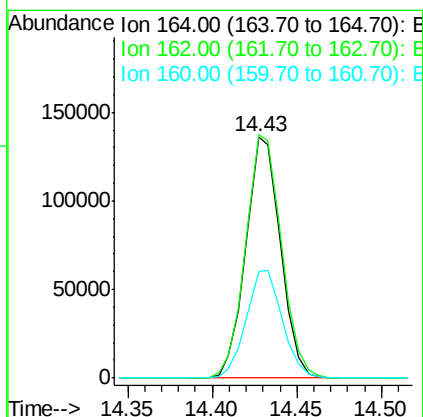
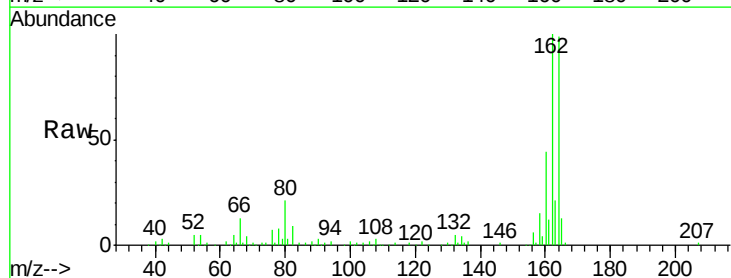
Instrument :  
 BNA\_M  
 ClientSampleId :

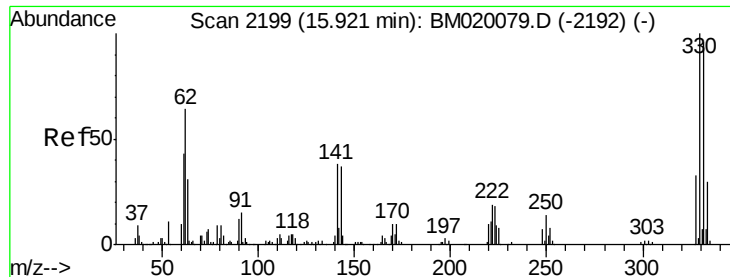
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 0.0   | 25.5  | 38.3# |
| 65      | 32.5  | 11.8  | 17.6# |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.43 min Scan# 1945  
 Delta R.T. -0.01 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 100.8 | 82.2  | 123.2 |
| 160     | 44.4  | 37.6  | 56.4  |

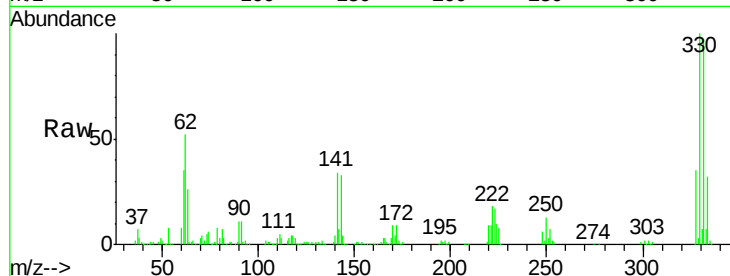




#42  
 2,4,6-Tribromophenol  
 Concen: 162.606 ng  
 RT: 15.92 min Scan# 2199  
 Delta R.T. -0.00 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

Instrument :  
 BNA\_M  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.7  | 76.8  | 115.2 |
| 141     | 35.5  | 29.2  | 43.8  |

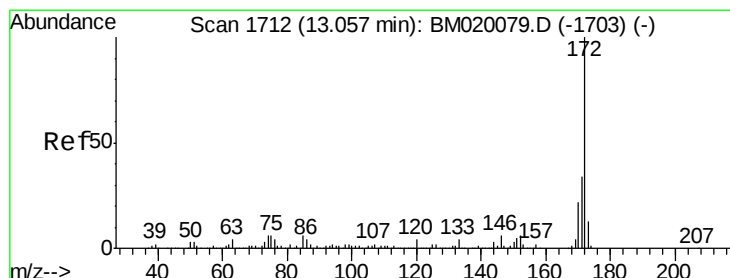
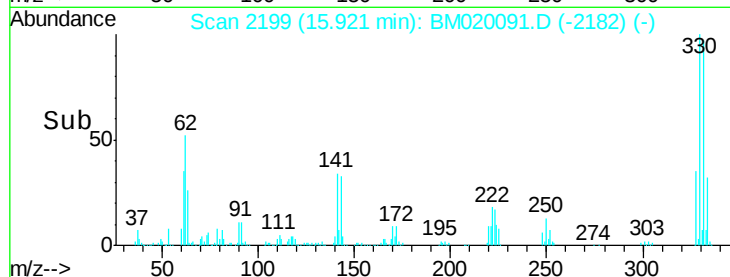
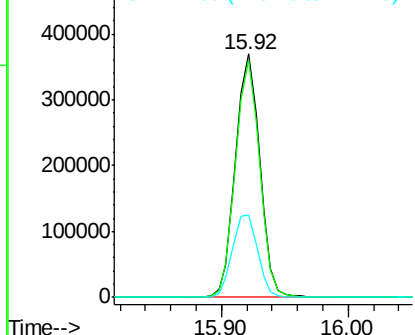


Abundance

Ion 329.80 (329.50 to 330.50): E

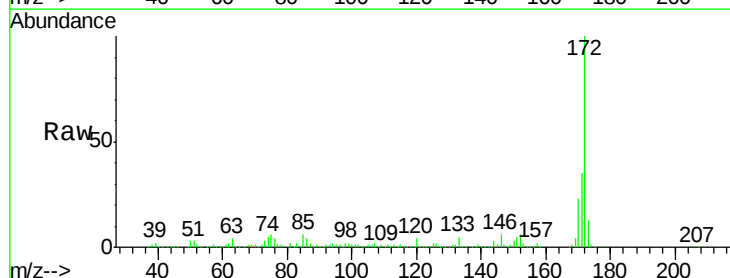
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 113.197 ng  
 RT: 13.05 min Scan# 1711  
 Delta R.T. -0.01 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 27.3  | 40.9  |
| 170     | 22.8  | 17.9  | 26.9  |

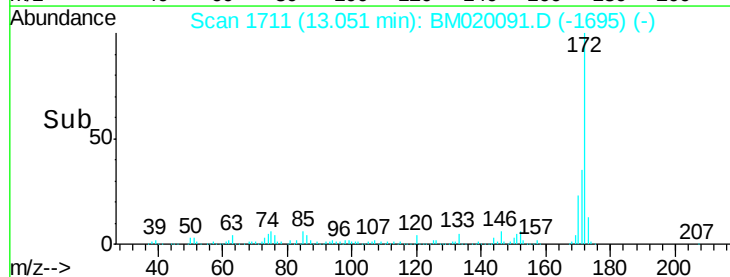
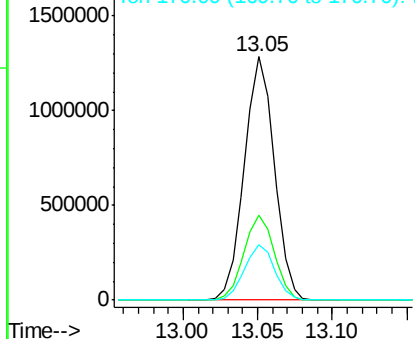


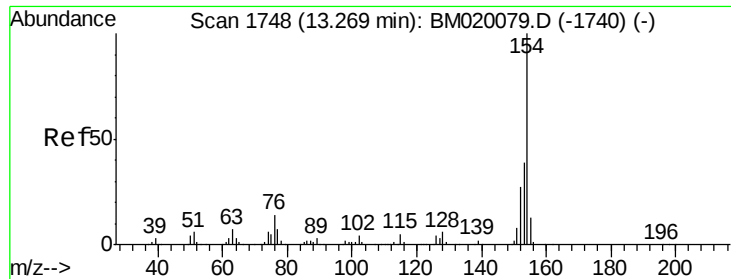
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 0.136 ng

RT: 13.27 min Scan# 1748

Delta R.T. -0.00 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

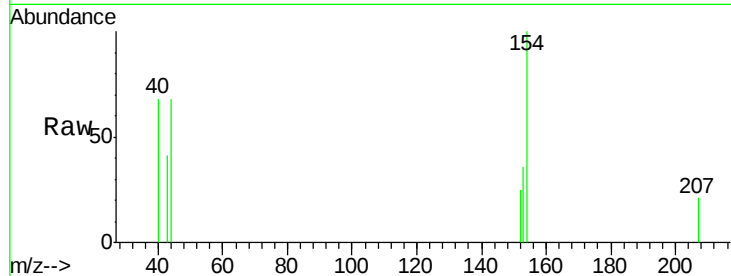
Tot Ion:154 Resp: 2170

Ion Ratio Lower Upper

154 100

153 36.1 19.4 59.4

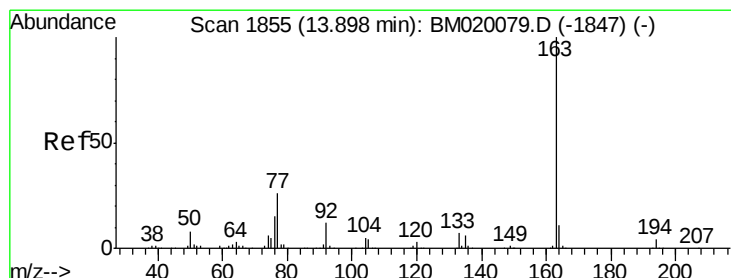
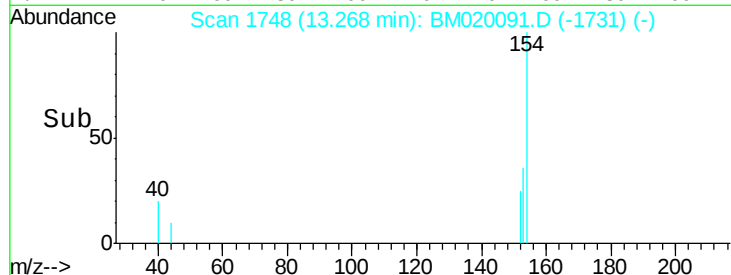
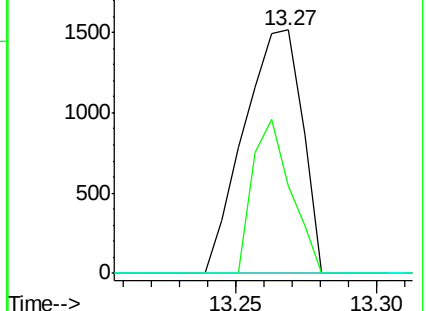
76 0.0 0.0 34.5



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM



#50

Dimethylphthalate

Concen: 7.727 ng

RT: 13.89 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

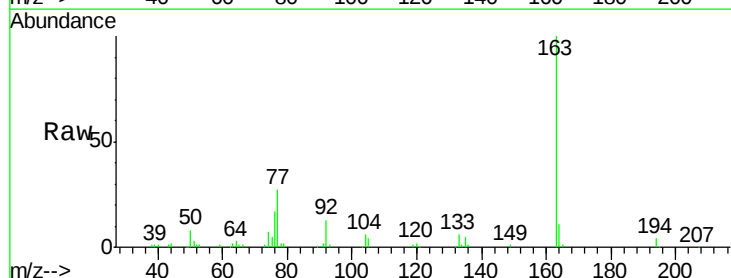
Tgt Ion:163 Resp: 127594

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

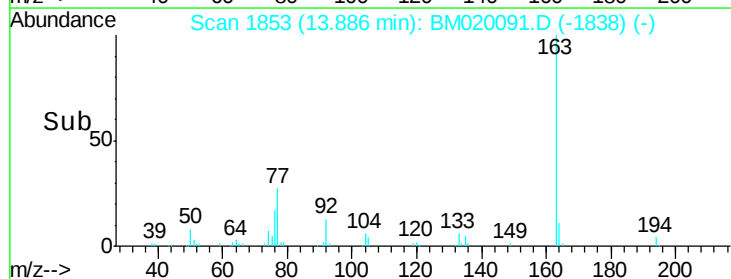
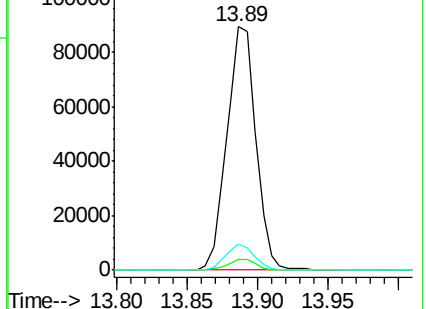
164 10.9 8.4 12.6

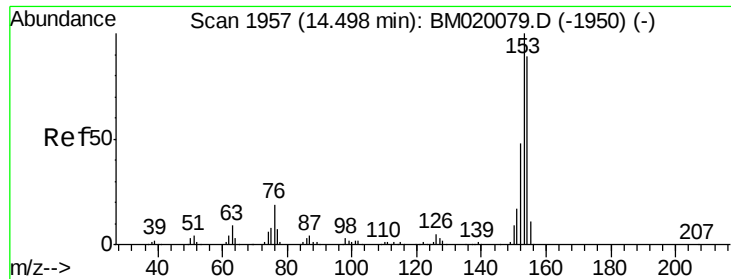


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 0.056 ng

RT: 14.43 min Scan# 1945

Delta R.T. -0.07 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

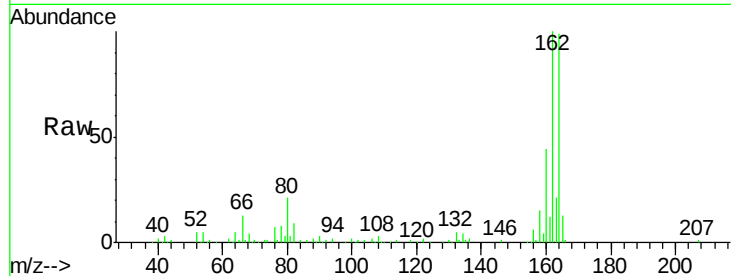
Tot Ion:154 Resp: 655

Ion Ratio Lower Upper

154 100

153 0.0 90.2 135.2#

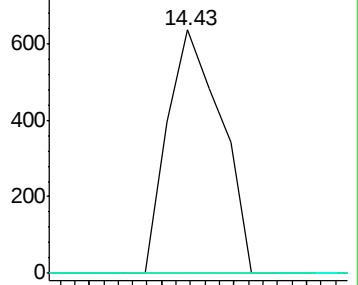
152 0.0 43.0 64.4#



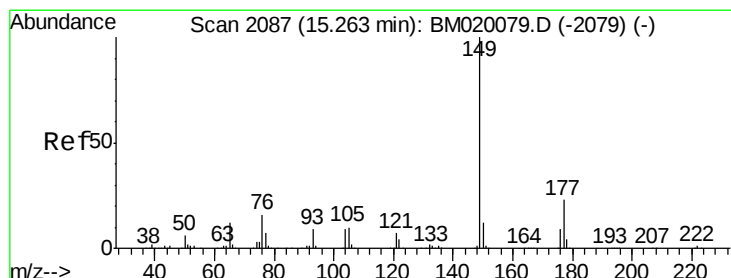
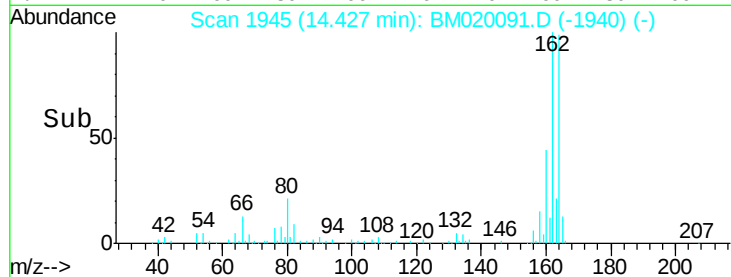
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



Time-->



#60

Diethylphthalate

Concen: 0.020 ng

RT: 15.25 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

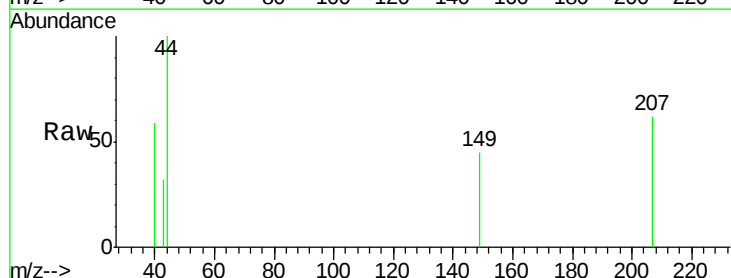
Tgt Ion:149 Resp: 330

Ion Ratio Lower Upper

149 100

177 0.0 18.2 27.4#

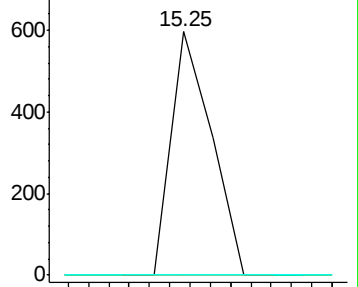
150 0.0 9.9 14.9#



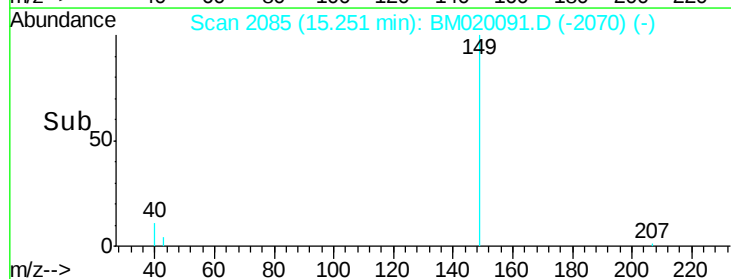
Abundance Ion 149.00 (148.70 to 149.70): E

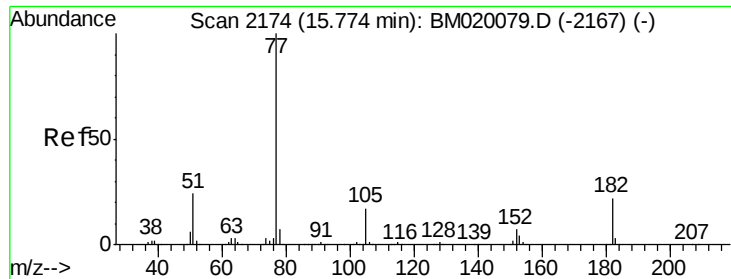
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



Time-->

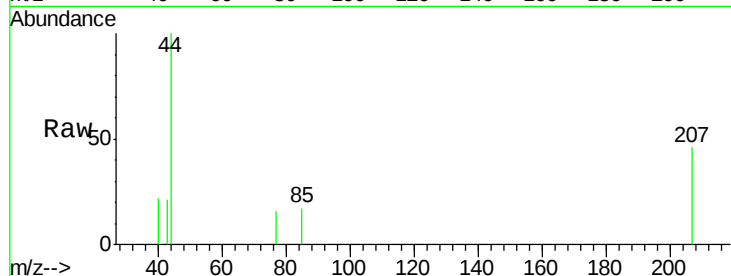




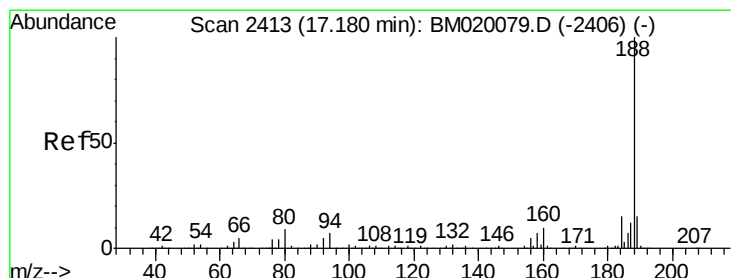
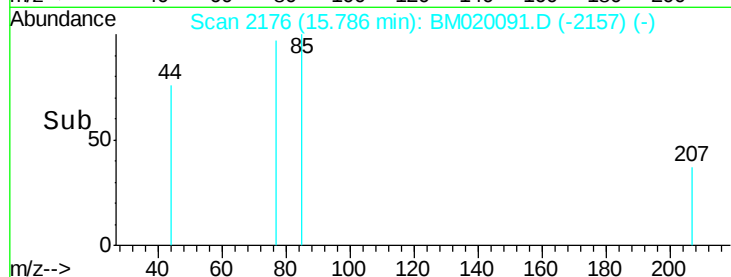
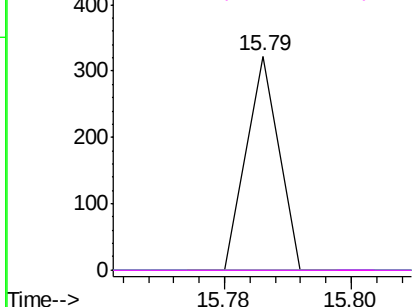
#63  
Azobenzene  
Concen: 0.006 ng  
RT: 15.79 min Scan# 2176  
Delta R.T. 0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion: 77 Resp: 114  
Ion Ratio Lower Upper  
77 100  
182 0.0 2.1 42.1#  
105 0.0 0.0 36.8  
51 0.0 3.8 43.8#

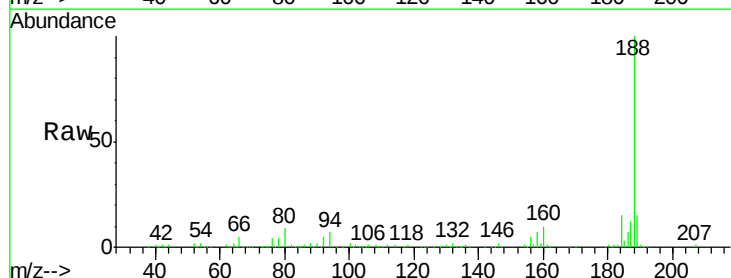


Abundance Ion 77.00 (76.70 to 77.70): BM0  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BM0

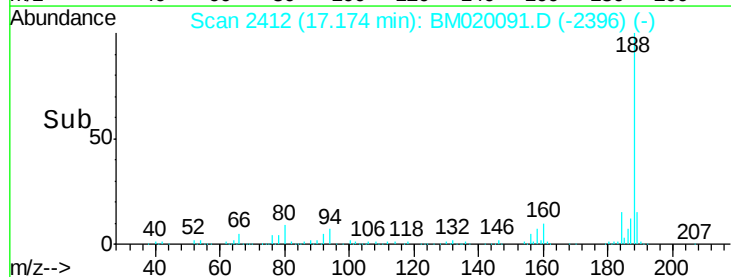
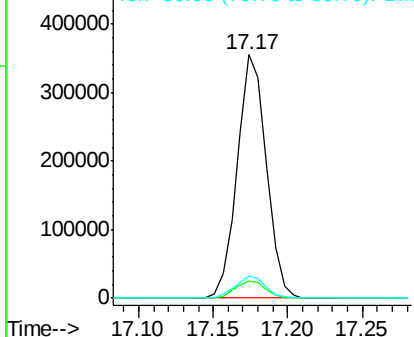


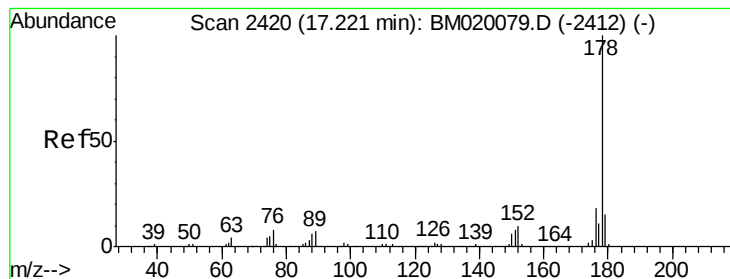
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.17 min Scan# 2412  
Delta R.T. -0.01 min  
Lab File: BM020091.D  
Acq: 01 May 2019 15:37

Tgt Ion: 188 Resp: 481310  
Ion Ratio Lower Upper  
188 100  
94 7.3 5.8 8.6  
80 9.0 7.4 11.2



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM0  
Ion 80.00 (79.70 to 80.70): BM0





#71

Phenanthrene

Concen: 0.025 ng

RT: 17.22 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

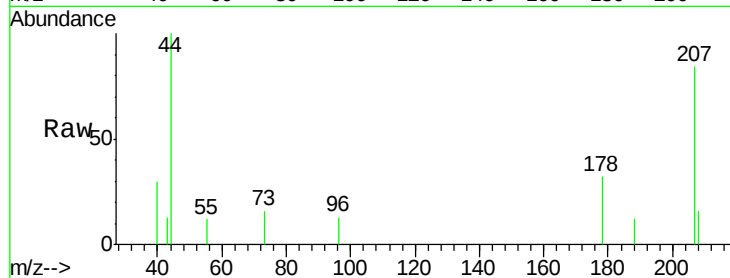
Tot Ion:178 Resp: 668

Ion Ratio Lower Upper

178 100

176 0.0 14.6 21.8#

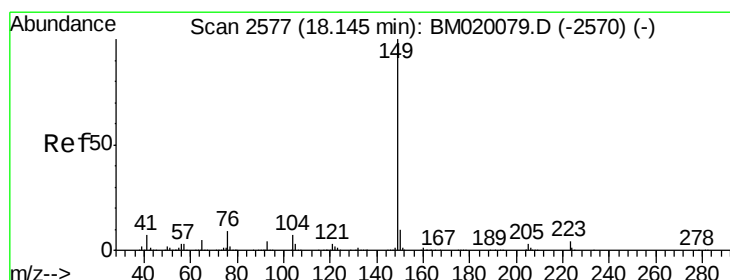
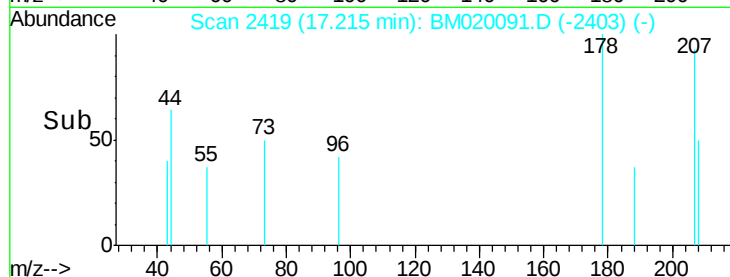
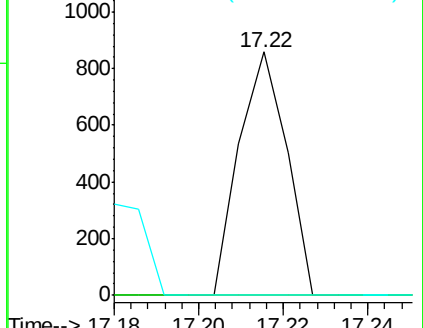
179 0.0 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Di-n-butylphthalate

Concen: 0.064 ng

RT: 18.14 min Scan# 2576

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

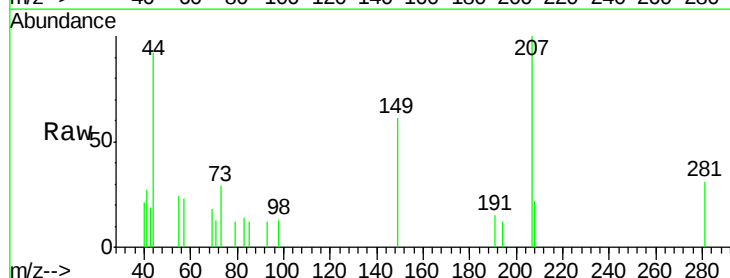
Tgt Ion:149 Resp: 1852

Ion Ratio Lower Upper

149 100

150 0.0 7.8 11.6#

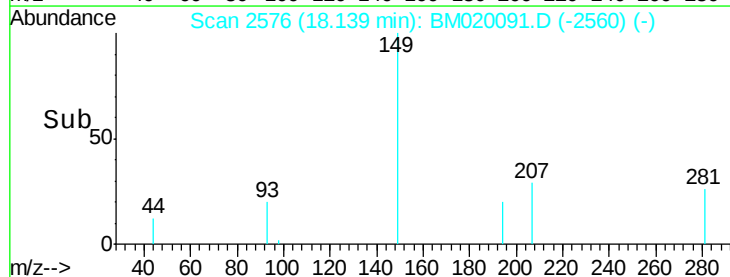
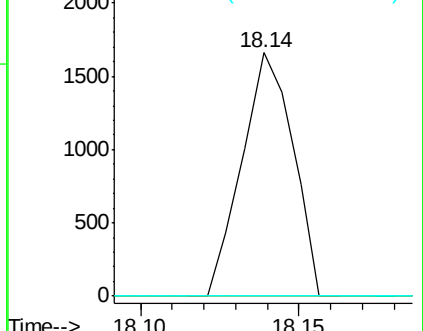
104 0.0 5.7 8.5#

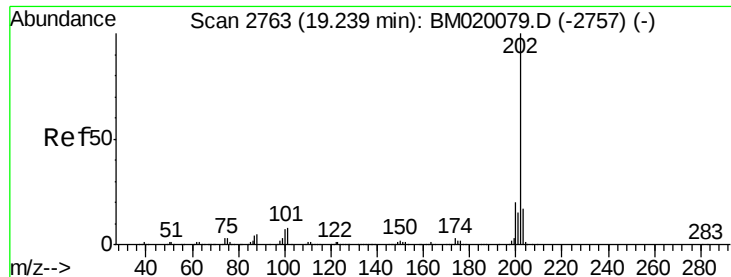


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 0.011 ng

RT: 19.23 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BM020091.D

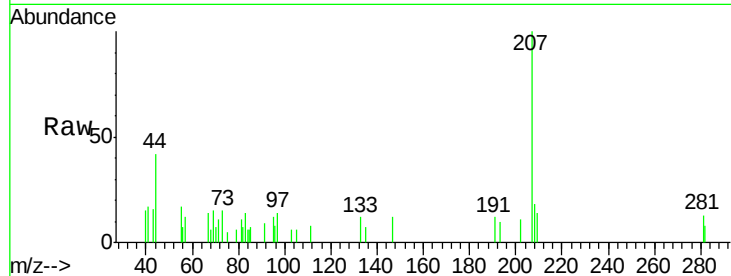
Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampled :

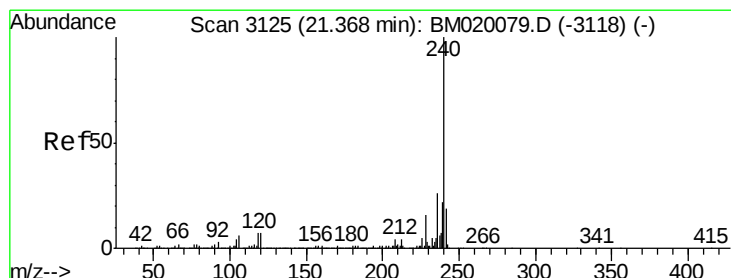
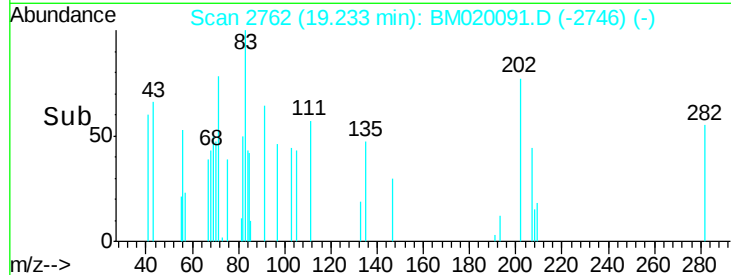
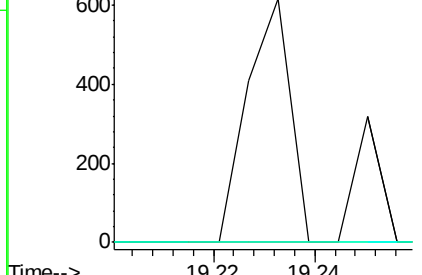
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 202   | Resp: | 362   |
| Ion      | Ratio | Lower | Upper |
| 202      | 100   |       |       |
| 101      | 0.0   | 0.0   | 28.4  |
| 203      | 0.0   | 0.0   | 37.4  |



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

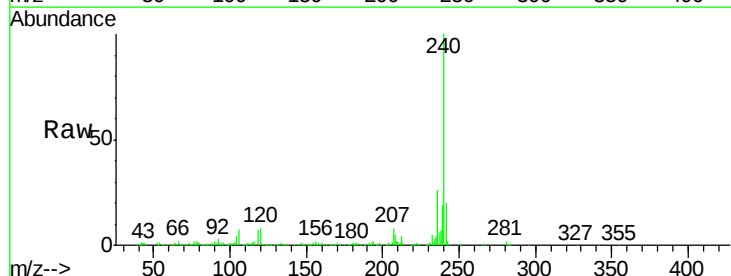
RT: 21.36 min Scan# 3123

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

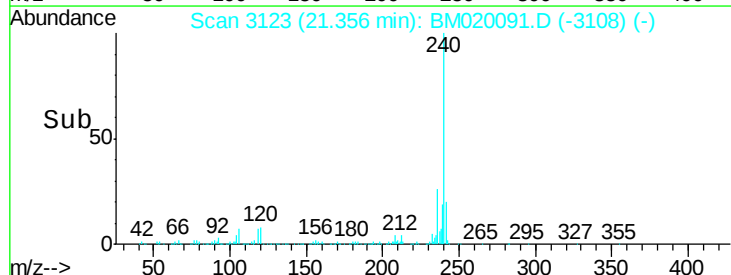
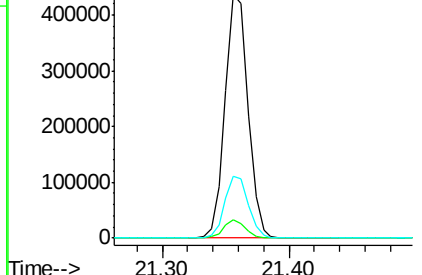
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 547640 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 7.8   | 5.6   | 8.4    |
| 236      | 25.5  | 20.9  | 31.3   |

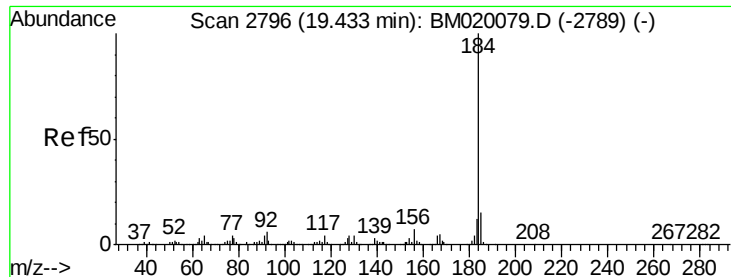


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.027 ng

RT: 19.46 min Scan# 2800

Delta R.T. 0.02 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

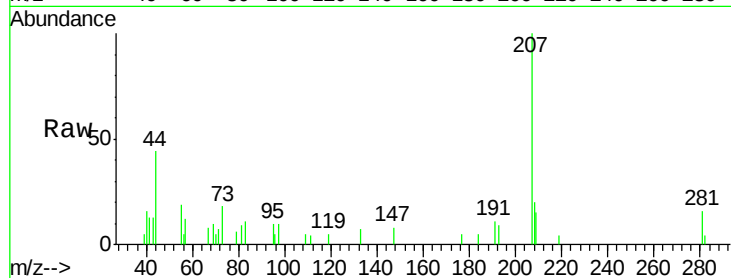
Tot Ion:184 Resp: 477

Ion Ratio Lower Upper

184 100

185 0.0 12.0 18.0#

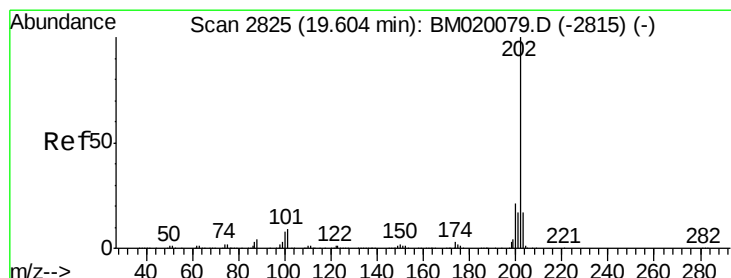
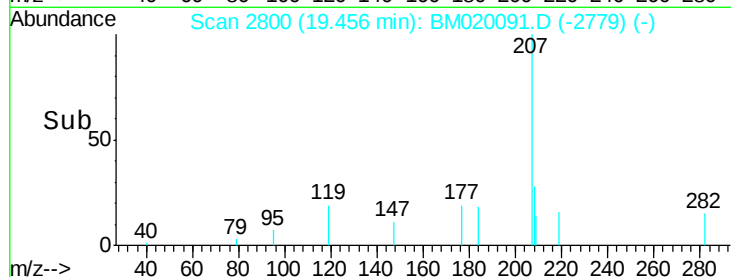
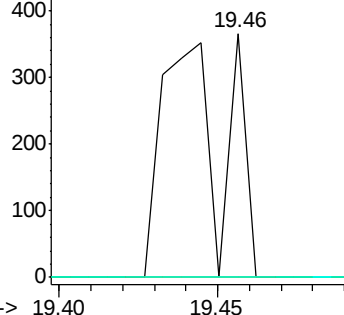
183 0.0 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.006 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

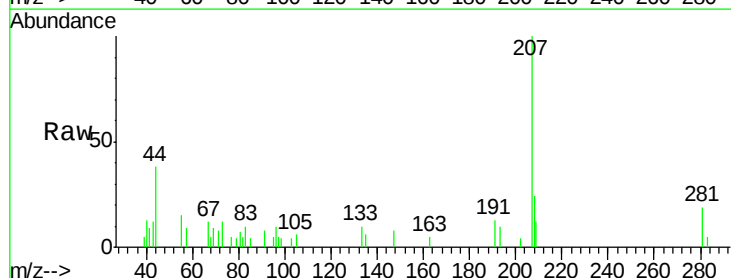
Tgt Ion:202 Resp: 228

Ion Ratio Lower Upper

202 100

200 0.0 16.5 24.7#

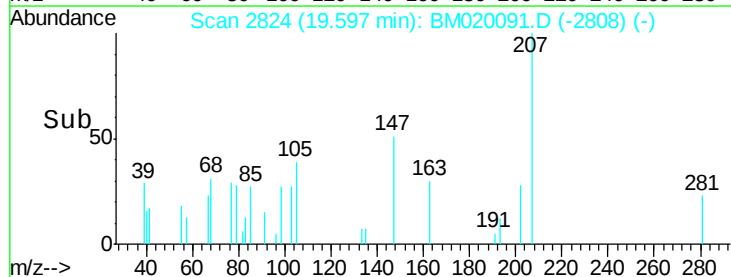
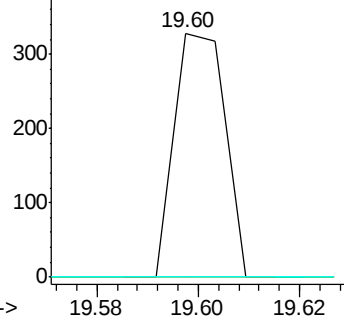
203 0.0 13.9 20.9#

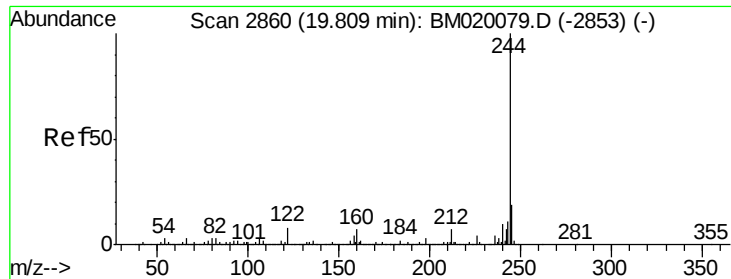


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 108.437 ng

RT: 19.80 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

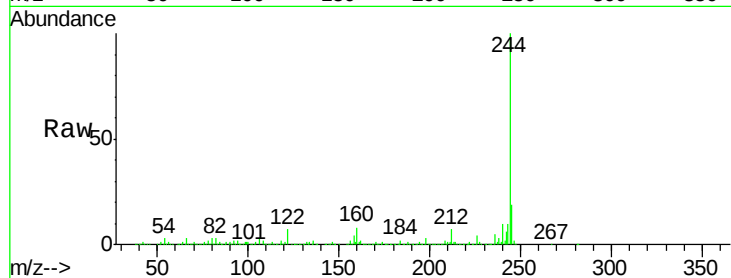
Tot Ion:244 Resp: 3404657

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

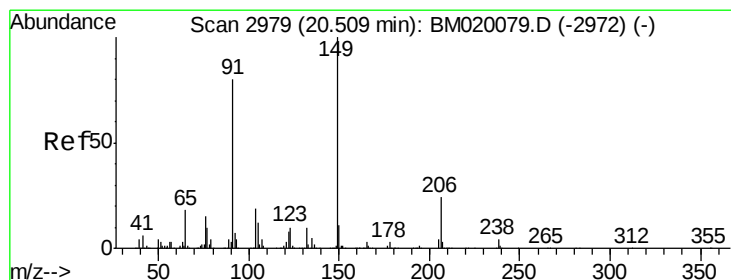
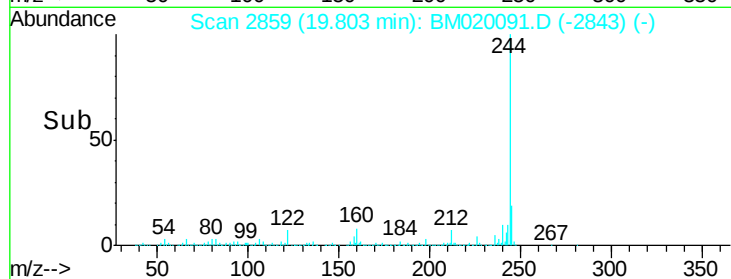
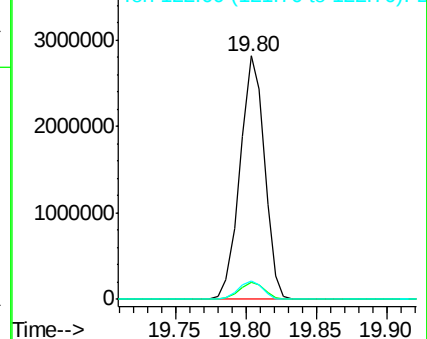
122 7.5 6.2 9.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.023 ng

RT: 20.49 min Scan# 2976

Delta R.T. -0.02 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

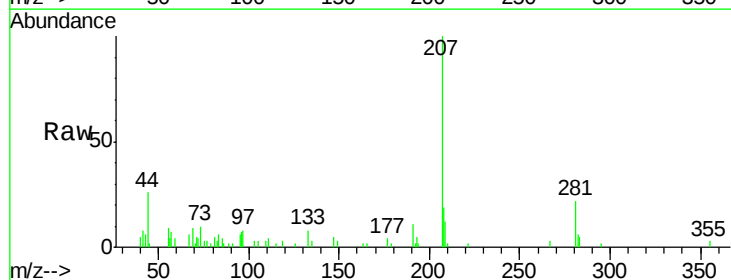
Tgt Ion:149 Resp: 301

Ion Ratio Lower Upper

149 100

91 77.0 63.8 95.8

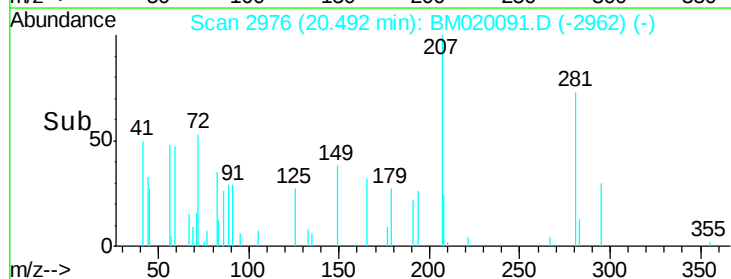
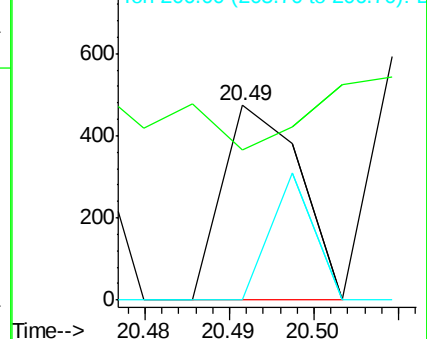
206 0.0 18.9 28.3#

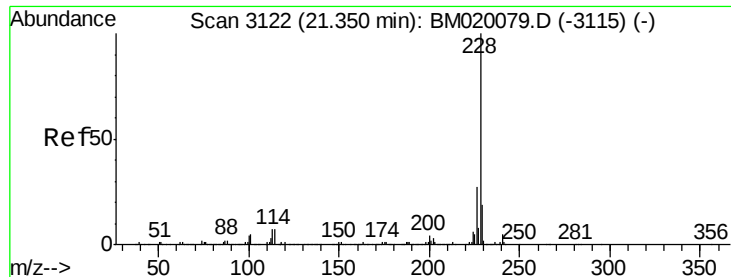


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 0.064 ng

RT: 21.36 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

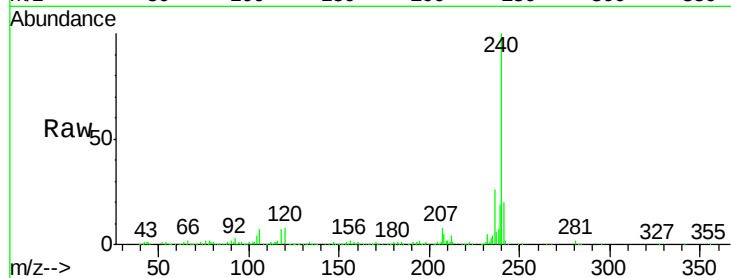
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 2464

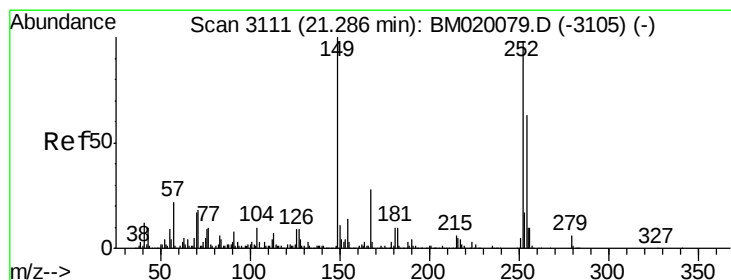
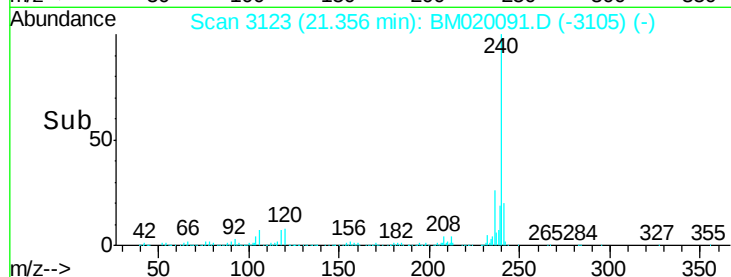
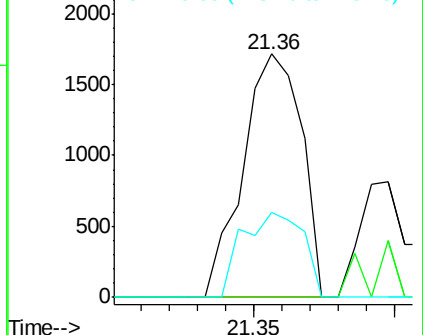
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 0.0   | 21.3  | 31.9# |
| 229 | 34.9  | 15.5  | 23.3# |



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



#82

3,3'-Dichlorobenzidine

Concen: 0.018 ng

RT: 21.28 min Scan# 3110

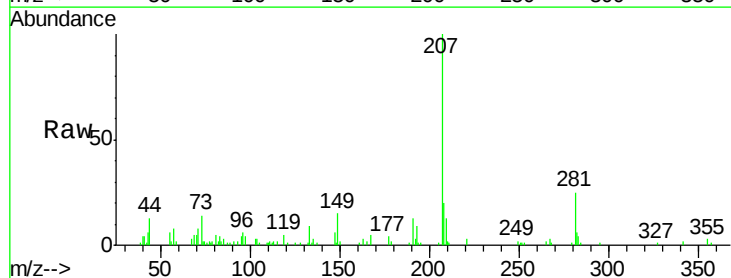
Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Tgt Ion:252 Resp: 268

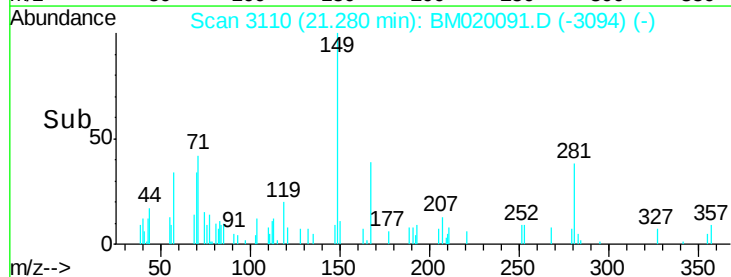
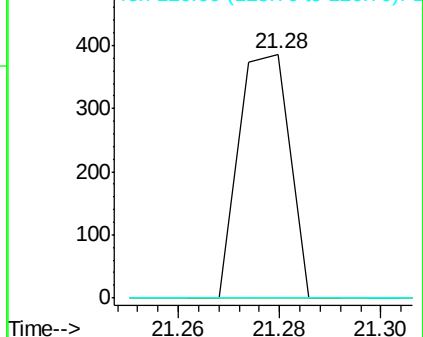
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 0.0   | 51.1  | 76.7# |
| 126 | 0.0   | 7.1   | 10.7# |

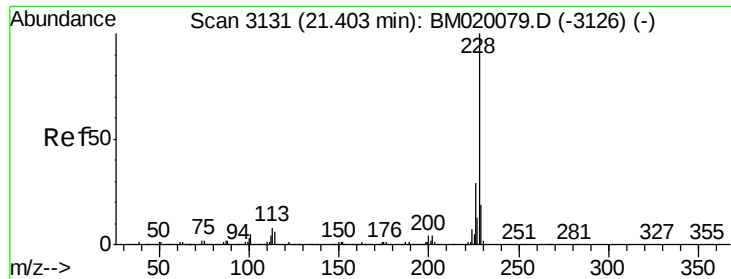


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

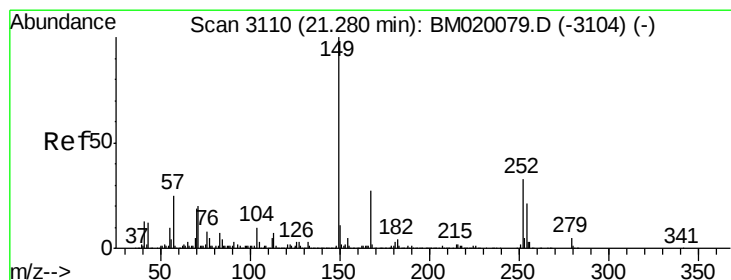
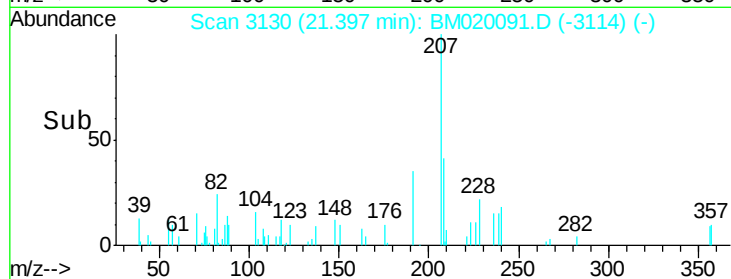
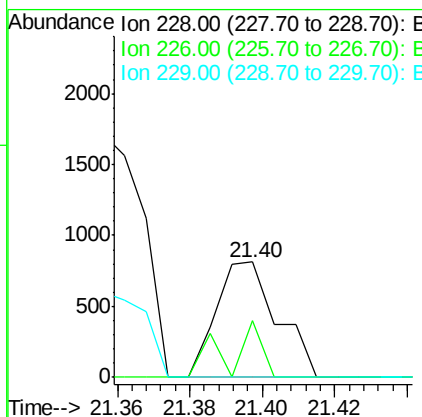
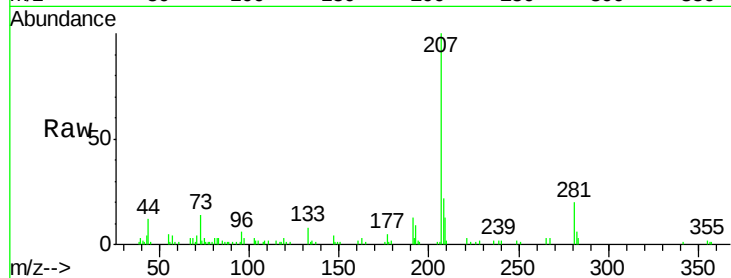




#83  
 Chrysene  
 Concen: 0.026 ng  
 RT: 21.40 min Scan# 3130  
 Delta R.T. -0.01 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

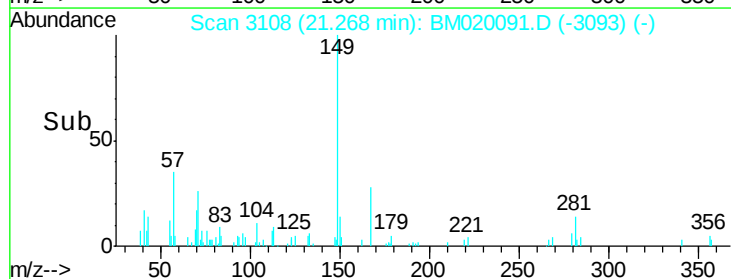
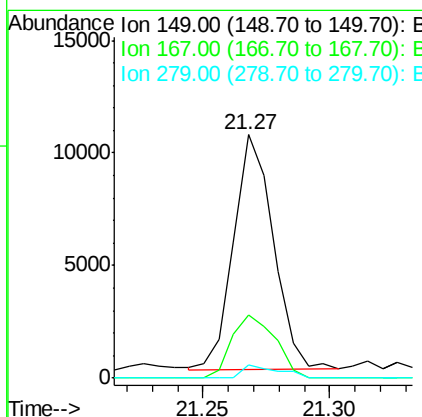
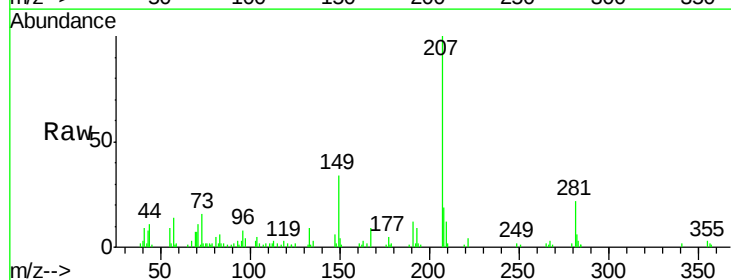
Instrument :  
 BNA\_M  
 ClientSampled :

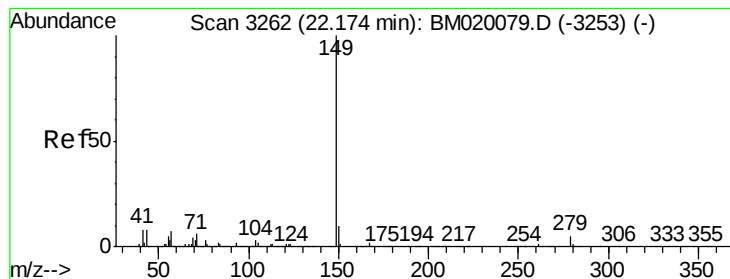
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 49.0  | 23.0  | 34.6# |
| 229     | 0.0   | 15.5  | 23.3# |



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.547 ng  
 RT: 21.27 min Scan# 3108  
 Delta R.T. -0.01 min  
 Lab File: BM020091.D  
 Acq: 01 May 2019 15:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.1  | 21.8  | 32.8  |
| 279     | 5.6   | 4.2   | 6.2   |





#85

Di-n-octyl phthalate

Concen: 0.011 ng

RT: 22.15 min Scan# 3258

Delta R.T. -0.02 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampled :

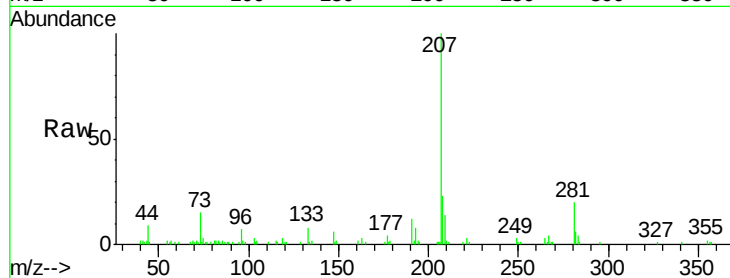
Tot Ion:149 Resp: 396

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

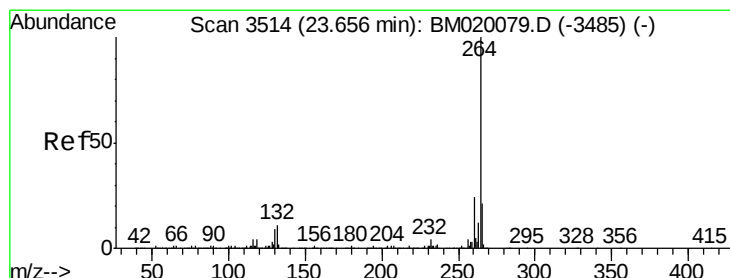
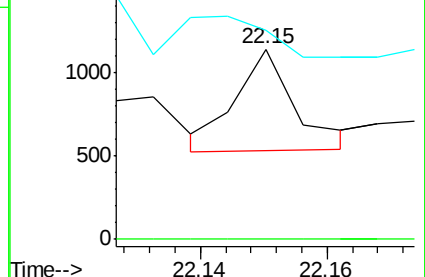
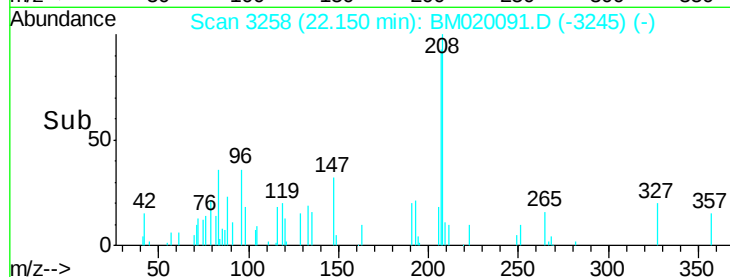
43 0.0 6.5 9.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.64 min Scan# 3512

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

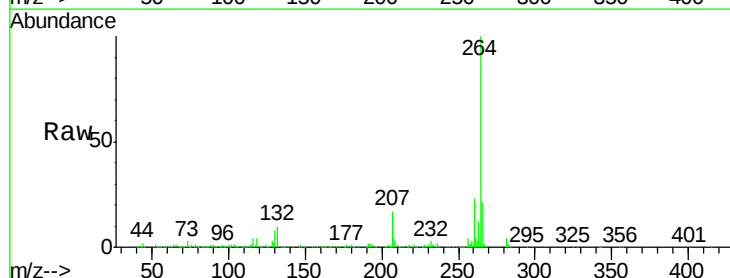
Tgt Ion:264 Resp: 632864

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

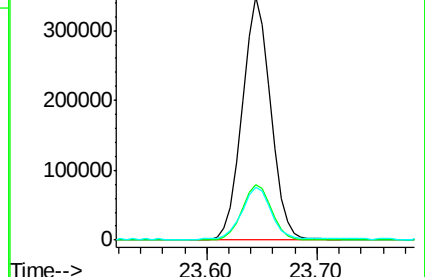
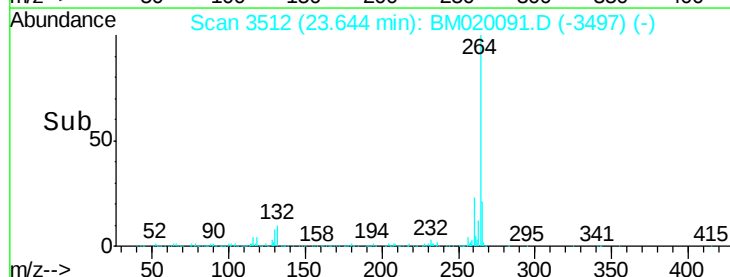
265 21.5 16.9 25.3

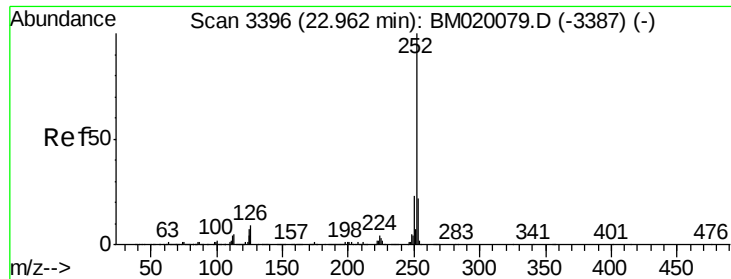


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 0.015 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

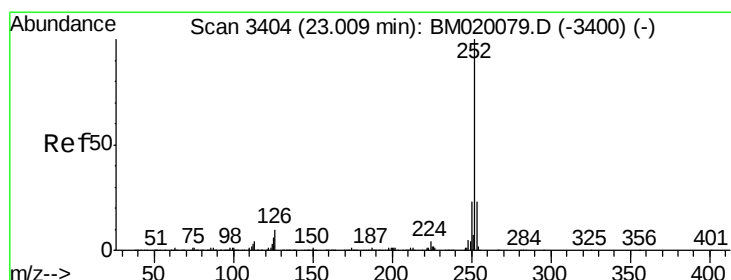
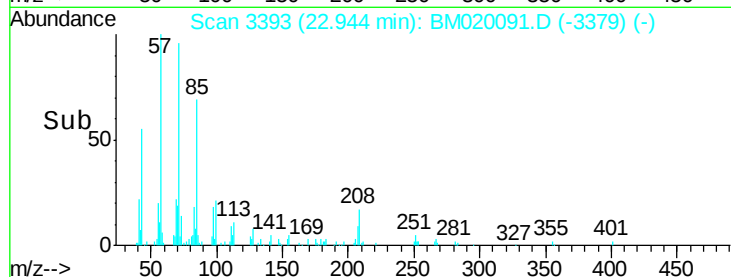
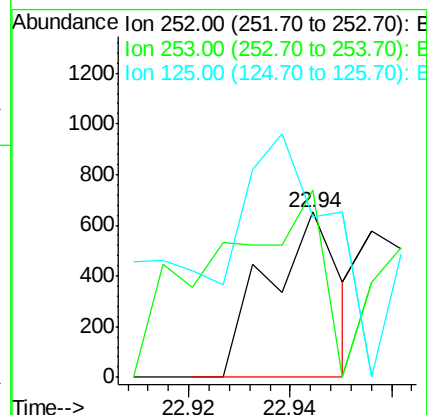
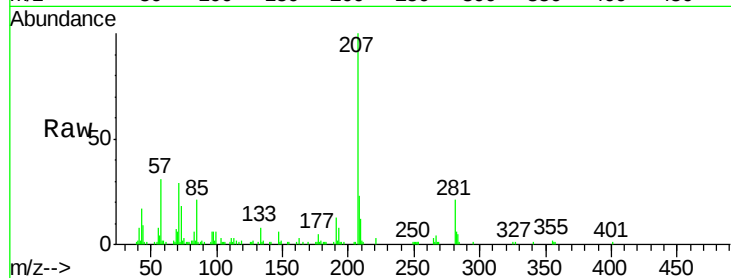
Tot Ion:252 Resp: 638

Ion Ratio Lower Upper

252 100

253 113.8 17.5 26.3#

125 97.2 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 0.008 ng

RT: 23.00 min Scan# 3402

Delta R.T. -0.01 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

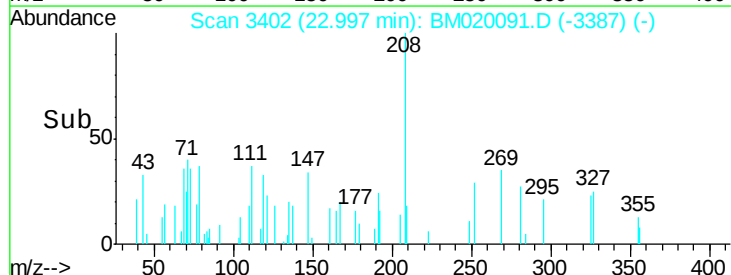
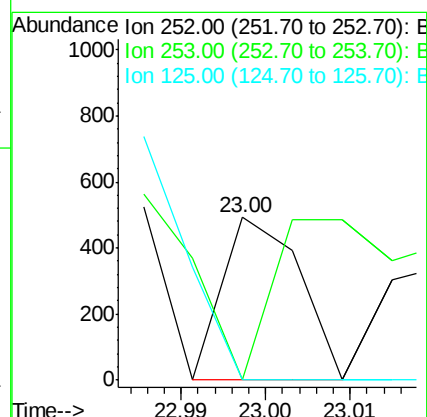
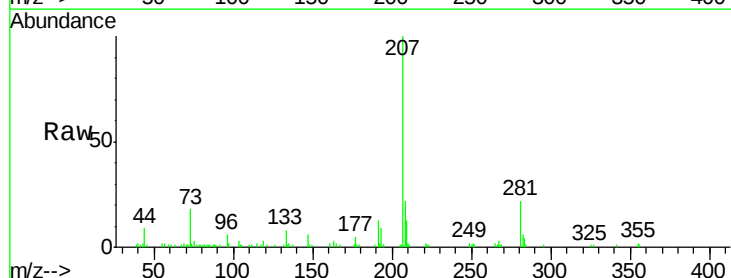
Tgt Ion:252 Resp: 312

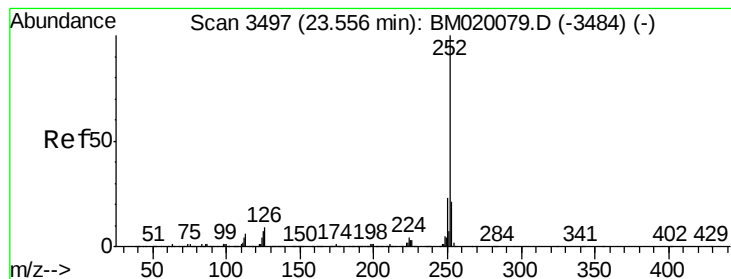
Ion Ratio Lower Upper

252 100

253 0.0 17.8 26.8#

125 0.0 5.4 8.0#





#90

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.53 min Scan# 3493

Delta R.T. -0.02 min

Lab File: BM020091.D

Acq: 01 May 2019 15:37

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 252 Resp: 781

Ion Ratio Lower Upper

252 100

253 0.0 17.0 25.6#

125 146.9 5.5 8.3#

