

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
 Data File : BP019853.D  
 Acq On : 23 Feb 2024 20:36  
 Operator : MA/JU  
 Sample : P1572-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

Quant Time: Feb 24 00:04:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 13:10:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc        | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------------|-------|----------|
| -----                         |        |      |          |             |       |          |
| Internal Standards            |        |      |          |             |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.922  | 152  | 24       | 20.000      | ng    | # 0.02   |
| 21) Naphthalene-d8            | 10.722 | 136  | 12       | 20.000      | ng    | # 0.02   |
| 39) Acenaphthene-d10          | 14.757 | 164  | 58       | 20.000      | ng    | 0.21     |
| 64) Phenanthrene-d10          | 17.580 | 188  | 292      | 20.000      | ng    | # 0.27   |
| 76) Chrysene-d12              | 21.768 | 240  | 1048     | 20.000      | ng    | # 0.34   |
| 86) Perylene-d12              | 24.227 | 264  | 712      | 20.000      | ng    | # 0.36   |
| System Monitoring Compounds   |        |      |          |             |       |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 433716   | 291298.424  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.081  | 99   | 658288   | 327899.985  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.075  | 82   | 466459   | 1684361.114 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.045 | 330  | 219813   | 259568.118  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.169 | 172  | 964093   | 205489.457  | ng    | 0.00     |
| 79) Terphenyl-d14             | 0.000  | 244  | 0        | 0.000       | ng    |          |
| Target Compounds              |        |      |          |             |       |          |
|                               |        |      |          |             |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.405  | 88   | 207      | 360.851     | ng    | # 1      |
| 3) Pyridine                   | 3.805  | 79   | 264      | 169.750     | ng    | # 1      |
| 4) n-Nitrosodimethylamine     | 3.711  | 42   | 78       | 115.196     | ng    | # 1      |
| 6) Aniline                    | 7.222  | 93   | 167      | 85.609      | ng    | 90       |
| 8) 2-Chlorophenol             | 7.499  | 128  | 46       | 30.093      | ng    | 76       |
| 9) Benzaldehyde               | 7.081  | 77   | 2210     | 1570.118    | ng    | # 12     |
| 10) Phenol                    | 6.840  | 94   | 141      | 70.468      | ng    | 79       |
| 11) bis(2-Chloroethyl)ether   | 7.222  | 93   | 167      | 107.278     | ng    | 88       |
| 12) 1,3-Dichlorobenzene       | 7.810  | 146  | 24       | 12.831      | ng    | # 1      |
| 13) 1,4-Dichlorobenzene       | 7.940  | 146  | 72       | 37.994      | ng    | # 71     |
| 14) 1,2-Dichlorobenzene       | 8.257  | 146  | 14       | 7.636       | ng    | # 1      |
| 15) Benzyl Alcohol            | 8.169  | 79   | 285      | 177.672     | ng    | # 62     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.463  | 45   | 128      | 82.226      | ng    | # 1      |
| 17) 2-Methylphenol            | 8.387  | 107  | 20       | 14.847      | ng    | # 1      |
| 18) Hexachloroethane          | 9.004  | 117  | 142      | 193.321     | ng    | # 24     |
| 19) n-Nitroso-di-n-propyla... | 8.734  | 70   | 78       | 56.881      | ng    | # 1      |
| 20) 3+4-Methylphenols         | 8.710  | 107  | 223      | 121.297     | ng    | # 1      |
| 22) Acetophenone              | 8.746  | 105  | 1046     | 3059.721    | ng    | # 60     |
| 24) Nitrobenzene              | 9.146  | 77   | 186      | 667.070     | ng    | # 52     |
| 25) Isophorone                | 9.675  | 82   | 267      | 553.598     | ng    | # 68     |
| 26) 2-Nitrophenol             | 9.857  | 139  | 8        | 75.247      | ng    | # 1      |
| 27) 2,4-Dimethylphenol        | 9.898  | 122  | 37       | 272.166     | ng    | # 43     |
| 28) bis(2-Chloroethoxy)met... | 10.128 | 93   | 187      | 685.283     | ng    | # 17     |
| 29) 2,4-Dichlorophenol        | 10.440 | 162  | 37       | 180.045     | ng    | 81       |
| 30) 1,2,4-Trichlorobenzene    | 10.557 | 180  | 7        | 27.781      | ng    | # 40     |
| 31) Naphthalene               | 10.763 | 128  | 911      | 1384.189    | ng    | # 93     |
| 32) Benzoic acid              | 10.081 | 122  | 42       | 317.092     | ng    | # 1      |
| 33) 4-Chloroaniline           | 10.904 | 127  | 64       | 262.950     | ng    | # 1      |
| 34) Hexachlorobutadiene       | 11.028 | 225  | 28       | 149.956     | ng    | # 62     |
| 35) Caprolactam               | 11.722 | 113  | 18       | 309.401     | ng    | # 1      |
| 36) 4-Chloro-3-methylphenol   | 12.016 | 107  | 69       | 307.928     | ng    | # 49     |
| 37) 2-Methylnaphthalene       | 12.381 | 142  | 477      | 1047.272    | ng    | 87       |
| 38) 1-Methylnaphthalene       | 12.587 | 142  | 228      | 509.390     | ng    | # 96     |
| 40) 1,2,4,5-Tetrachloroben... | 12.928 | 216  | 18       | 8.047       | ng    | # 1      |
| 41) Hexachlorocyclopentadiene | 12.757 | 237  | 9        | 8.907       | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.157 | 196  | 24       | 17.719      | ng    | # 26     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP022324\  
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 Operator : MA/JU  
 Sample : P1572-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

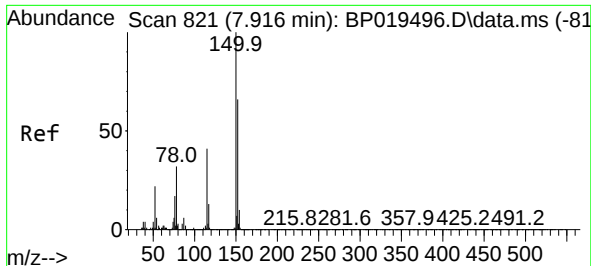
Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

Quant Time: Feb 24 00:04:09 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 23 13:10:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.245 | 196  | 37       | 24.877   | ng    | # 1      |
| 46) 1,1'-Biphenyl             | 13.581 | 154  | 46       | 9.937    | ng    | # 1      |
| 47) 2-Chloronaphthalene       | 13.557 | 162  | 84       | 22.105   | ng    | 96       |
| 48) 2-Nitroaniline            | 13.851 | 65   | 209      | 196.694  | ng    | # 45     |
| 49) Acenaphthylene            | 14.504 | 152  | 318      | 59.648   | ng    | # 1      |
| 50) Dimethylphthalate         | 14.239 | 163  | 64       | 14.414   | ng    | # 21     |
| 51) 2,6-Dinitrotoluene        | 14.334 | 165  | 118      | 120.962  | ng    | # 43     |
| 52) Acenaphthene              | 14.622 | 154  | 681      | 205.811  | ng    | 91       |
| 53) 3-Nitroaniline            | 14.692 | 138  | 76       | 84.774   | ng    | # 62     |
| 54) 2,4-Dinitrophenol         | 14.886 | 184  | 11       | 21.718   | ng    | # 1      |
| 55) Dibenzofuran              | 15.169 | 168  | 189      | 35.070   | ng    | # 42     |
| 56) 4-Nitrophenol             | 15.145 | 139  | 115      | 156.504  | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 15.151 | 165  | 97       | 75.879   | ng    | # 91     |
| 58) Fluorene                  | 15.833 | 166  | 240      | 55.913   | ng    | # 86     |
| 59) 2,3,4,6-Tetrachlorophenol | 15.375 | 232  | 80       | 63.948   | ng    | # 1      |
| 60) Diethylphthalate          | 15.610 | 149  | 169      | 38.267   | ng    | # 55     |
| 61) 4-Chlorophenyl-phenyle... | 15.810 | 204  | 58       | 24.041   | ng    | # 1      |
| 62) 4-Nitroaniline            | 15.904 | 138  | 87       | 92.583   | ng    | 91       |
| 63) Azobenzene                | 16.228 | 77   | 317      | 74.228   | ng    | 85       |
| 65) 4,6-Dinitro-2-methylph... | 15.951 | 198  | 66       | 39.640   | ng    | # 1      |
| 66) n-Nitrosodiphenylamine    | 16.045 | 169  | 7234     | 827.208  | ng    | # 49     |
| 67) 4-Bromophenyl-phenylether | 16.739 | 248  | 113      | 30.956   | ng    | # 10     |
| 68) Hexachlorobenzene         | 16.886 | 284  | 66       | 15.483   | ng    | # 1      |
| 69) Atrazine                  | 17.069 | 200  | 59       | 20.331   | ng    | # 29     |
| 70) Pentachlorophenol         | 17.204 | 266  | 159      | 59.895   | ng    | # 68     |
| 71) Phenanthrene              | 17.616 | 178  | 402      | 26.160   | ng    | # 31     |
| 72) Anthracene                | 17.716 | 178  | 645      | 42.076   | ng    | # 1      |
| 73) Carbazole                 | 18.016 | 167  | 409      | 29.369   | ng    | # 5      |
| 74) Di-n-butylphthalate       | 18.574 | 149  | 139      | 8.255    | ng    | # 53     |
| 75) Fluoranthene              | 19.680 | 202  | 14066    | 749.293  | ng    | 88       |
| 77) Benzidine                 | 19.880 | 184  | 25390    | 1158.821 | ng    | # 88     |
| 78) Pyrene                    | 19.974 | 202  | 779      | 10.532   | ng    | # 1      |
| 80) Butylbenzylphthalate      | 20.916 | 149  | 803      | 29.072   | ng    | # 65     |
| 81) Benzo(a)anthracene        | 21.757 | 228  | 541      | 7.333    | ng    | # 1      |
| 82) 3,3'-Dichlorobenzidine    | 21.715 | 252  | 223      | 8.295    | ng    | # 76     |
| 83) Chrysene                  | 21.804 | 228  | 313      | 4.469    | ng    | # 1      |
| 84) Bis(2-ethylhexyl)phtha... | 21.663 | 149  | 1111     | 26.414   | ng    | # 67     |
| 85) Di-n-octyl phthalate      | 22.668 | 149  | 1115     | 15.067   | ng    | # 1      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.815 | 276  | 1079     | 19.798   | ng    | # 49     |
| 88) Benzo(b)fluoranthene      | 23.468 | 252  | 421      | 9.382    | ng    | # 1      |
| 89) Benzo(k)fluoranthene      | 23.504 | 252  | 770      | 17.963   | ng    | # 1      |
| 90) Benzo(a)pyrene            | 24.121 | 252  | 267      | 6.687    | ng    | # 1      |
| 91) Dibenzo(a,h)anthracene    | 26.856 | 278  | 312      | 6.960    | ng    | # 1      |
| 92) Benzo(g,h,i)perylene      | 27.598 | 276  | 2181     | 47.960   | ng    | # 2      |

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

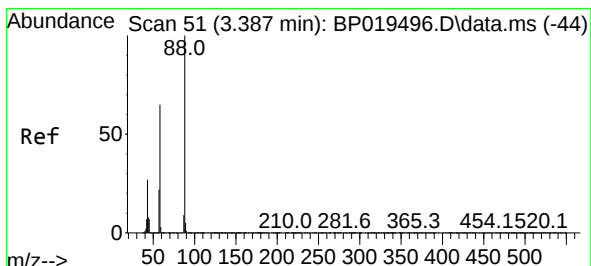
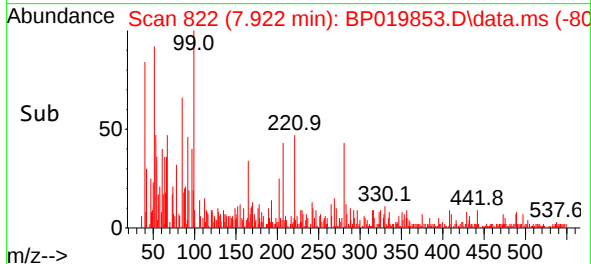
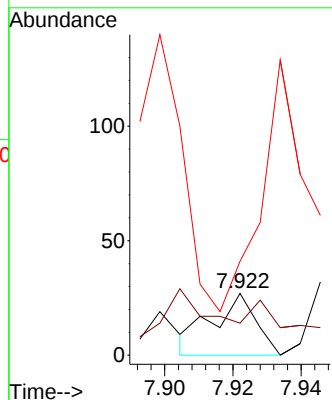
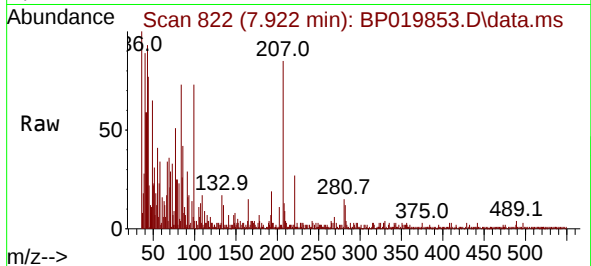




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.922 min Scan# 81  
 Delta R.T. 0.023 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

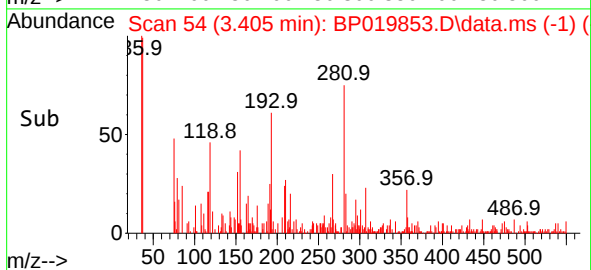
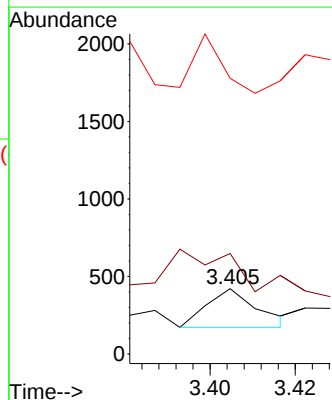
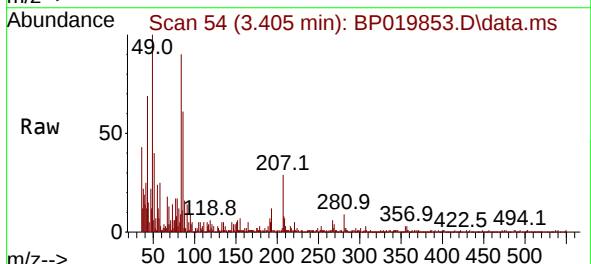
Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

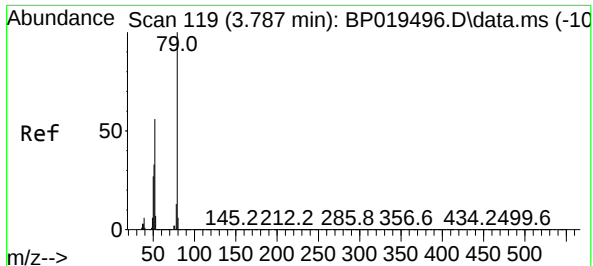
Tgt Ion:152 Resp: 24  
 Ion Ratio Lower Upper  
 152 100  
 150 31.8 121.8 182.8#  
 115 93.2 49.9 74.9#



#2  
 1,4-Dioxane  
 Concen: 360.851 ng  
 RT: 3.405 min Scan# 54  
 Delta R.T. 0.023 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

Tgt Ion: 88 Resp: 207  
 Ion Ratio Lower Upper  
 88 100  
 58 285.0 52.6 78.8#  
 43 0.0 21.9 32.9#

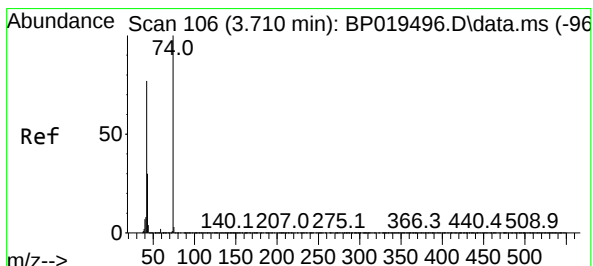
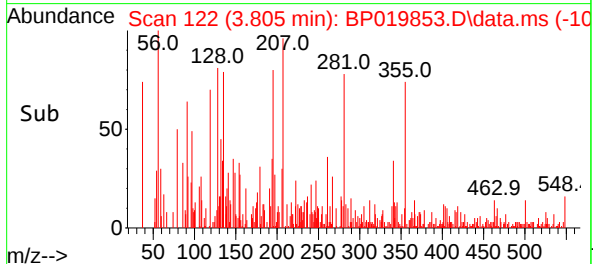
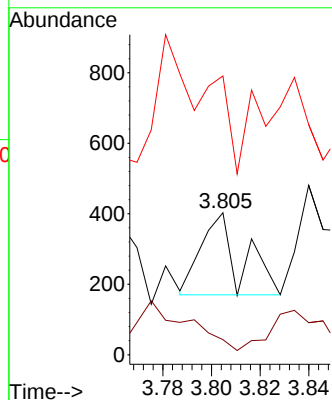
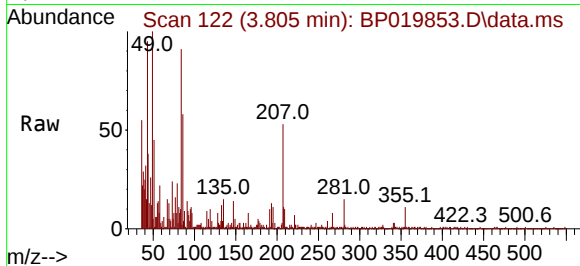




#3  
Pyridine  
Concen: 169.750 ng  
RT: 3.805 min Scan# 119  
Delta R.T. 0.023 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

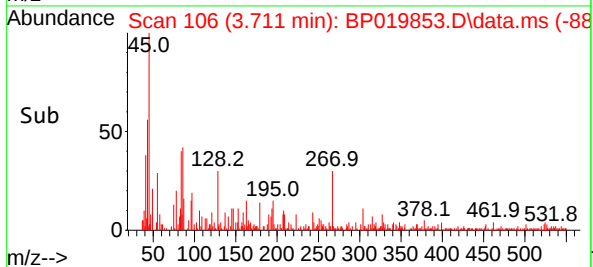
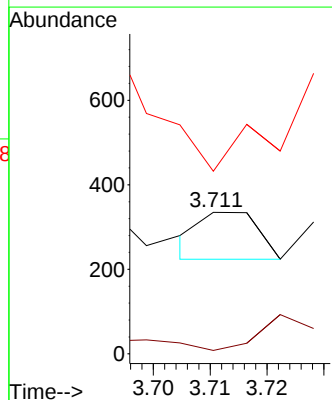
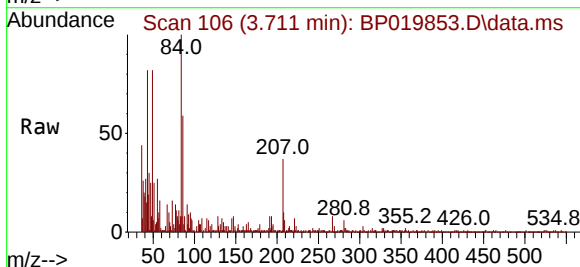
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

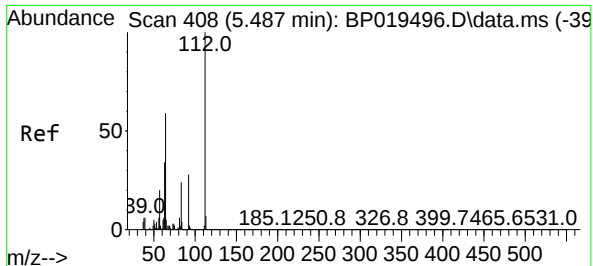
Tgt Ion: 79 Resp: 264  
Ion Ratio Lower Upper  
79 100  
52 10.7 45.0 67.6#  
51 196.3 26.8 40.2#



#4  
n-Nitrosodimethylamine  
Concen: 115.196 ng  
RT: 3.711 min Scan# 106  
Delta R.T. 0.006 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion: 42 Resp: 78  
Ion Ratio Lower Upper  
42 100  
74 2.4 103.4 155.2#  
44 129.0 4.8 7.2#

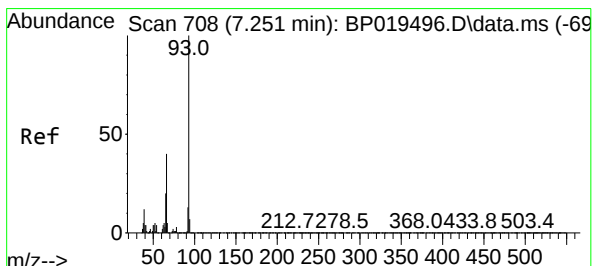
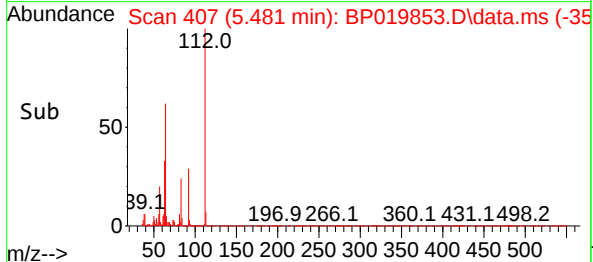
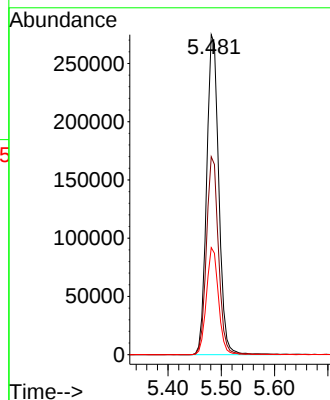
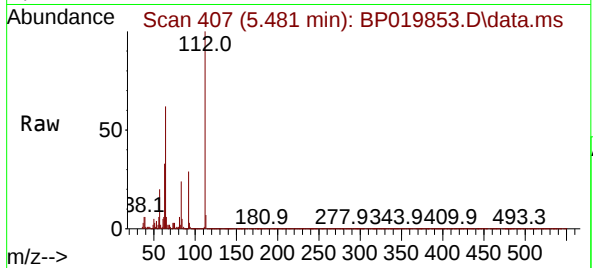




#5  
2-Fluorophenol  
Concen: 291298.424 ng  
RT: 5.481 min Scan# 408  
Delta R.T. 0.006 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

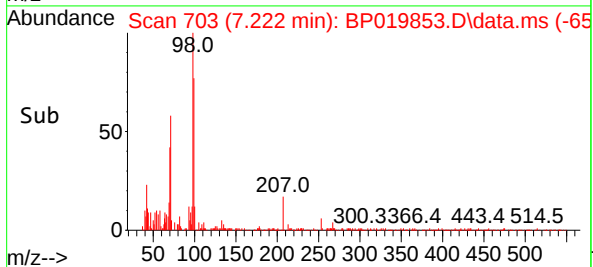
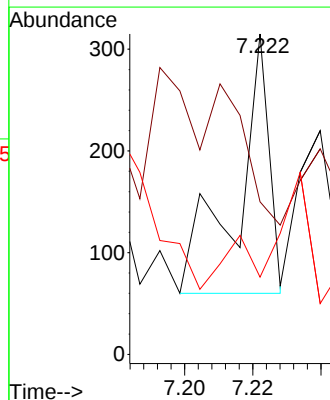
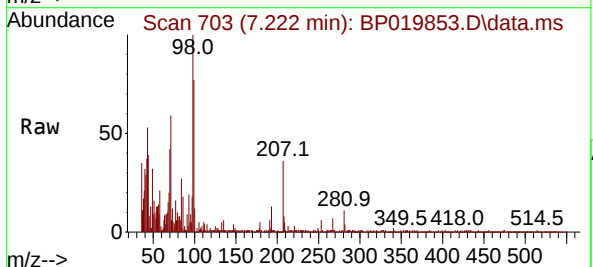
Instrument :  
BNA\_P  
ClientSampleId :  
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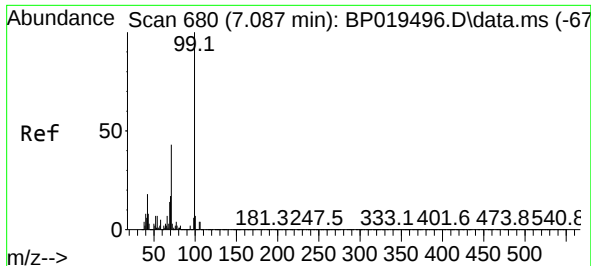
Tgt Ion:112 Resp: 433716  
Ion Ratio Lower Upper  
112 100  
64 61.8 47.4 71.0  
63 33.5 27.0 40.6



#6  
Aniline  
Concen: 85.609 ng  
RT: 7.222 min Scan# 703  
Delta R.T. -0.012 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion: 93 Resp: 167  
Ion Ratio Lower Upper  
93 100  
66 47.6 32.3 48.5  
65 24.1 16.4 24.6





#7

Phenol-d6

Concen: 327899.985 ng

RT: 7.081 min Scan# 6

Delta R.T. 0.006 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

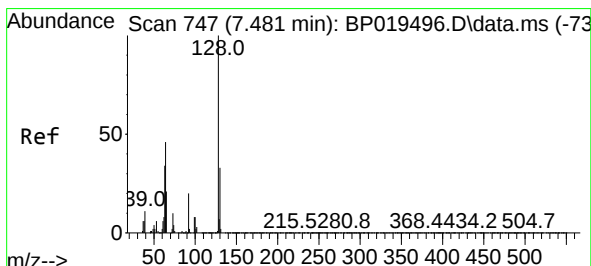
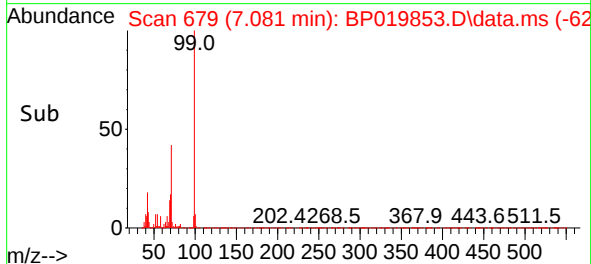
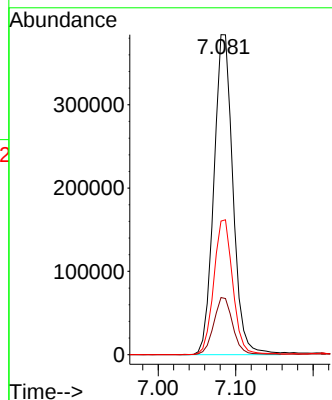
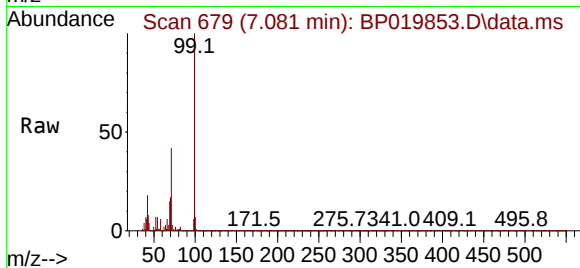
Tgt Ion: 99 Resp: 658288

Ion Ratio Lower Upper

99 100

42 17.9 14.7 22.1

71 41.8 34.8 52.2



#8

2-Chlorophenol

Concen: 30.093 ng

RT: 7.499 min Scan# 750

Delta R.T. 0.035 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

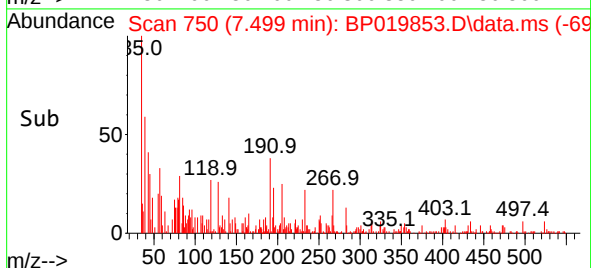
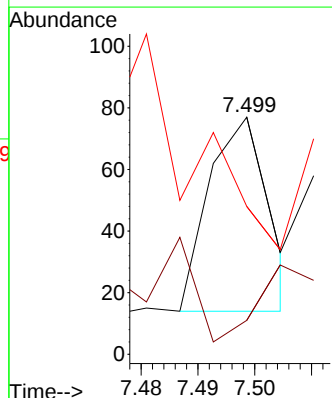
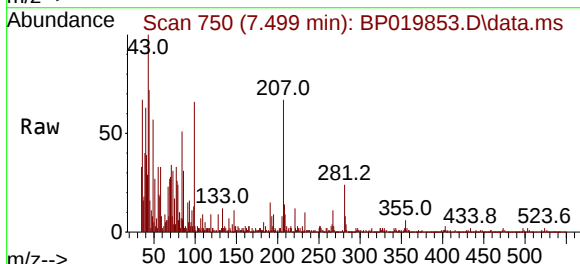
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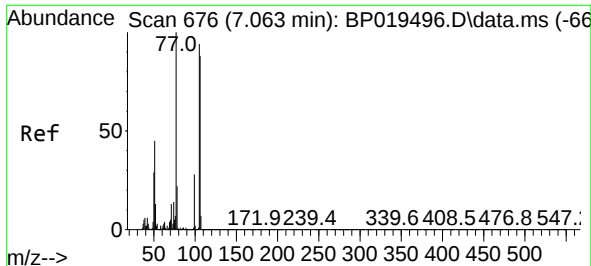
Ion Ratio Lower Upper

128 100

130 14.3 13.3 53.3

64 62.3 29.7 69.7





#9

Benzaldehyde

Concen: 1570.118 ng

RT: 7.081 min Scan# 61

Delta R.T. 0.029 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

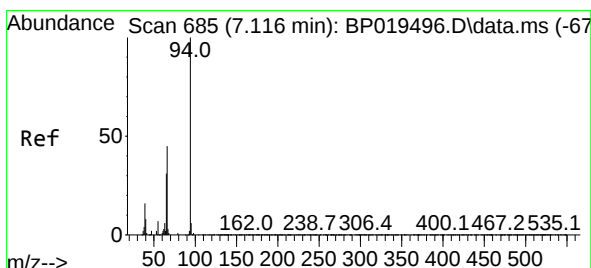
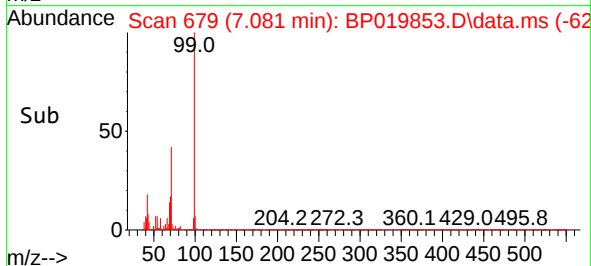
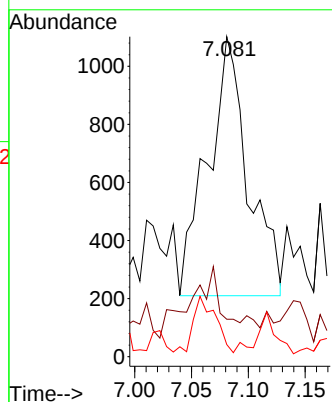
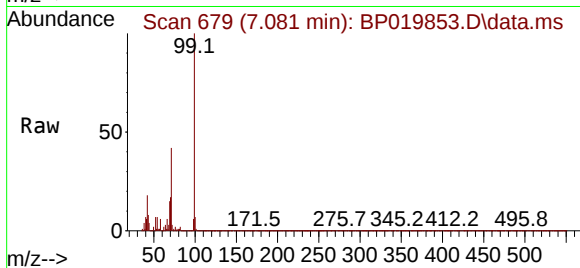
Tgt Ion: 77 Resp: 2210

Ion Ratio Lower Upper

77 100

105 11.7 74.0 114.0#

106 3.8 67.8 107.8#



#10

Phenol

Concen: 70.468 ng

RT: 6.840 min Scan# 638

Delta R.T. -0.265 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

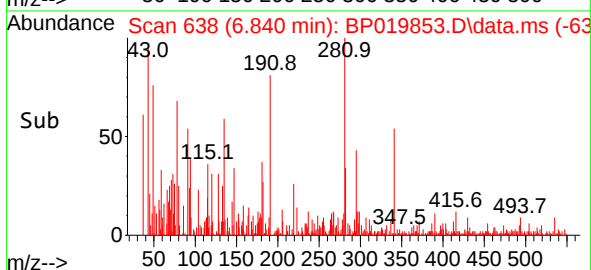
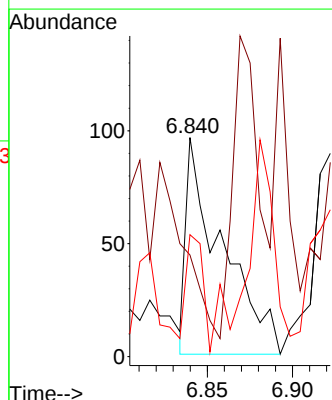
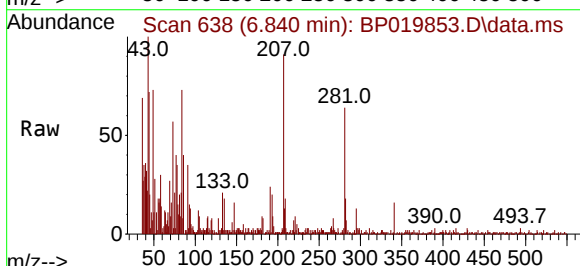
Tgt Ion: 94 Resp: 141

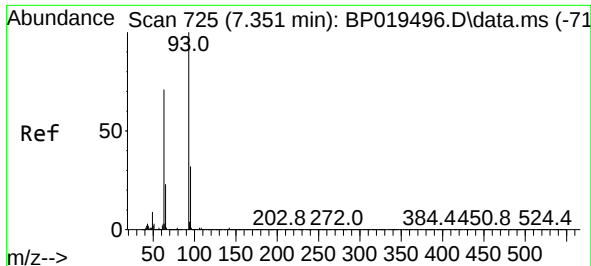
Ion Ratio Lower Upper

94 100

65 46.4 11.3 51.3

66 55.7 25.1 65.1

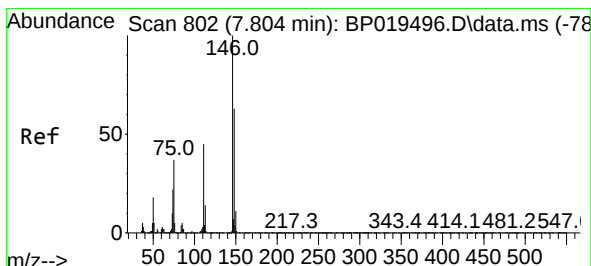
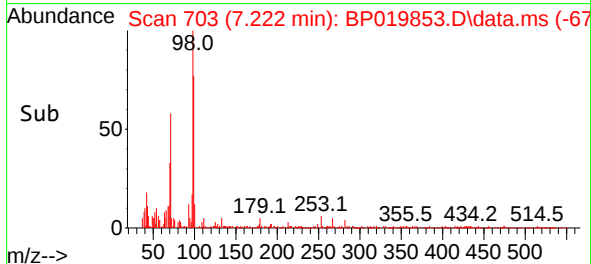
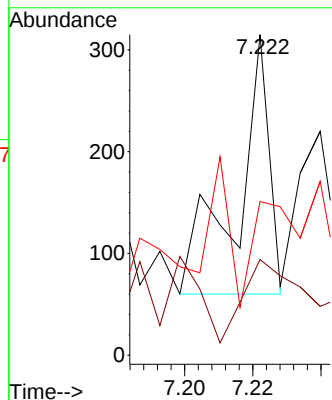
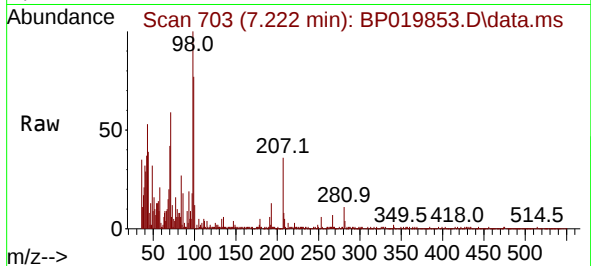




#11  
bis(2-Chloroethyl)ether  
Concen: 107.278 ng  
RT: 7.222 min Scan# 703  
Delta R.T. -0.112 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

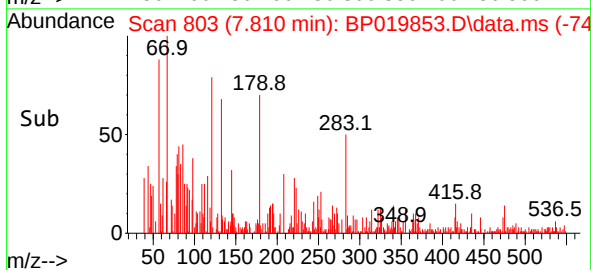
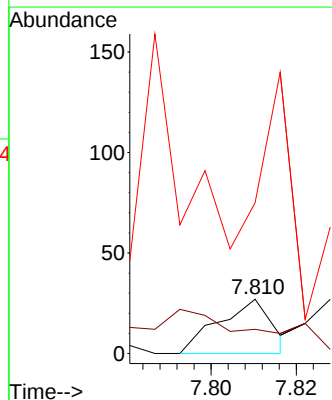
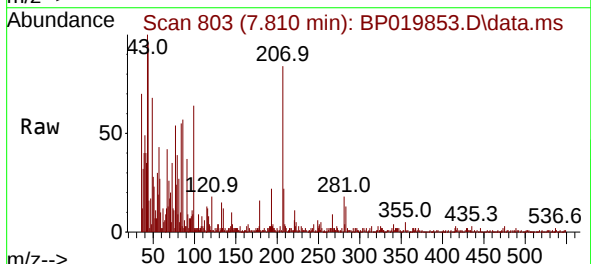
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

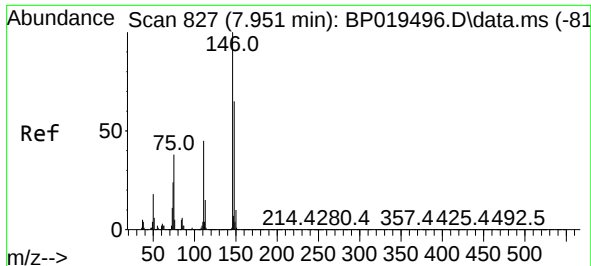
Tgt Ion: 93 Resp: 167  
Ion Ratio Lower Upper  
93 100  
63 74.3 51.2 91.2  
95 47.9 11.8 51.8



#12  
1,3-Dichlorobenzene  
Concen: 12.831 ng  
RT: 7.810 min Scan# 803  
Delta R.T. 0.023 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:146 Resp: 24  
Ion Ratio Lower Upper  
146 100  
148 28.6 50.4 75.6#  
75 178.6 29.9 44.9#

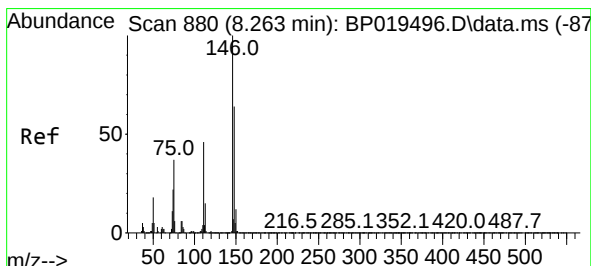
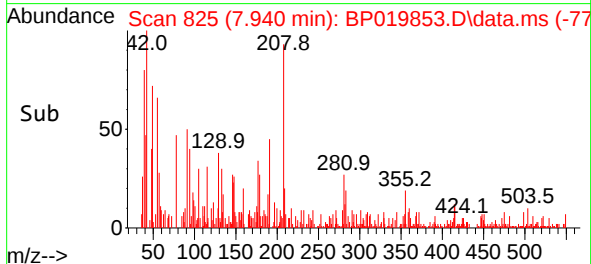
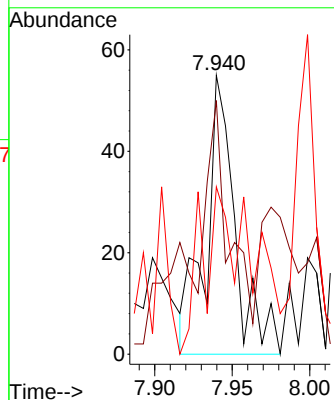
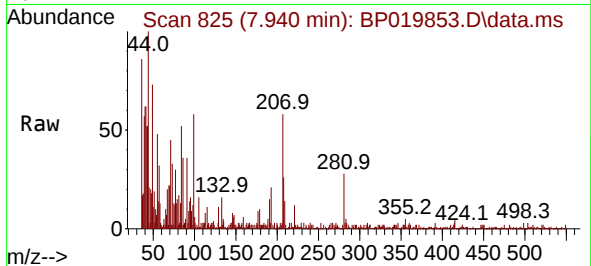




#13  
1,4-Dichlorobenzene  
Concen: 37.994 ng  
RT: 7.940 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

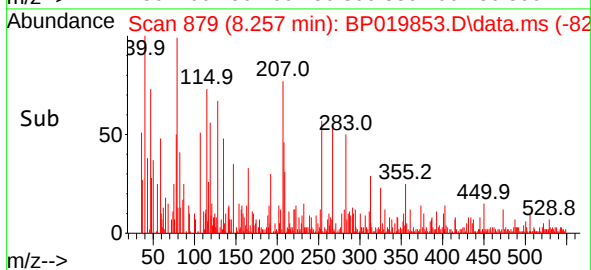
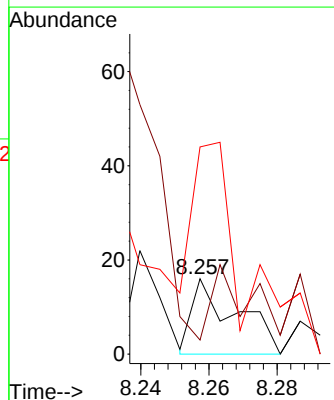
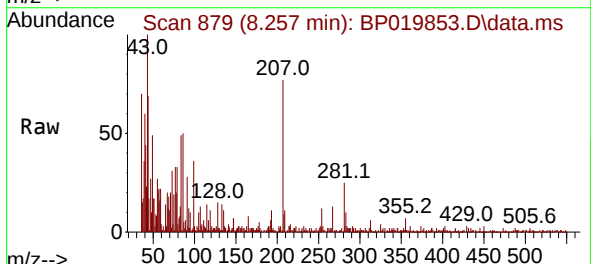
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

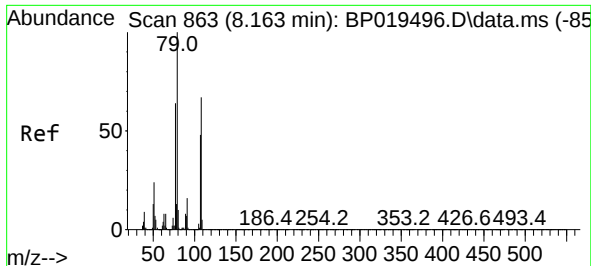
Tgt Ion:146 Resp: 72  
Ion Ratio Lower Upper  
146 100  
148 90.9 51.9 77.9#  
111 60.0 35.8 53.6#



#14  
1,2-Dichlorobenzene  
Concen: 7.636 ng  
RT: 8.257 min Scan# 879  
Delta R.T. 0.012 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:146 Resp: 14  
Ion Ratio Lower Upper  
146 100  
148 18.8 51.4 77.0#  
111 275.0 37.0 55.6#





#15

Benzyl Alcohol

Concen: 177.672 ng

RT: 8.169 min Scan# 80

Delta R.T. 0.017 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

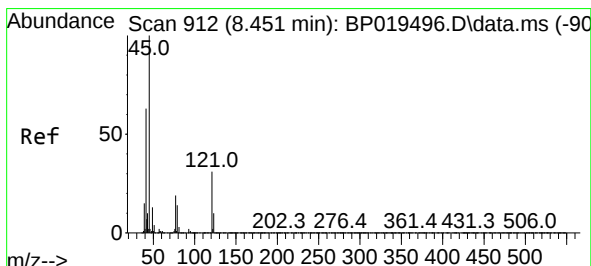
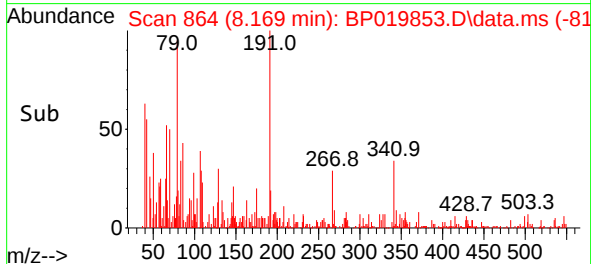
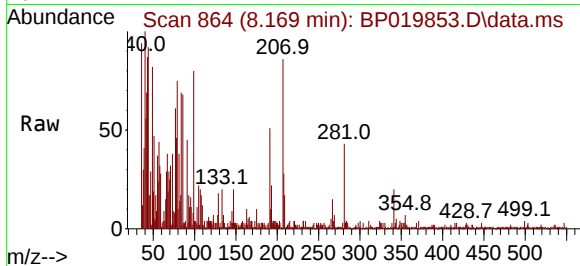
Tgt Ion: 79 Resp: 285

Ion Ratio Lower Upper

79 100

108 25.8 53.8 80.6#

77 82.0 51.3 76.9#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 82.226 ng

RT: 8.463 min Scan# 914

Delta R.T. 0.023 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

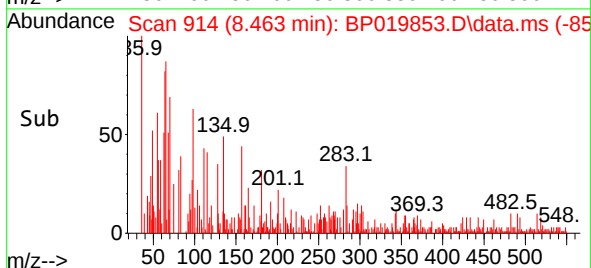
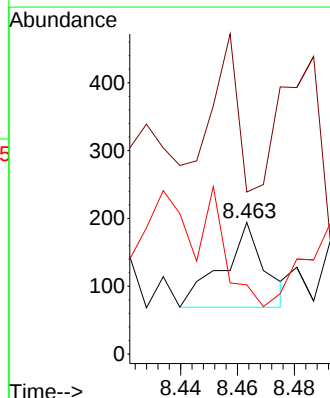
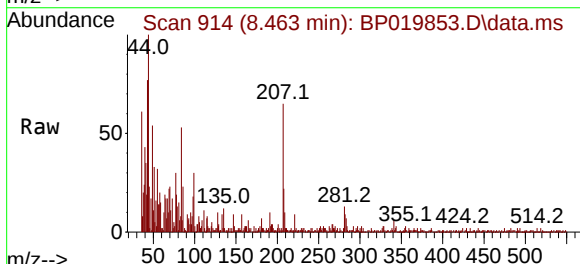
Tgt Ion: 45 Resp: 128

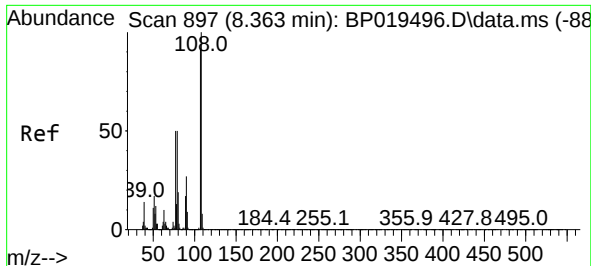
Ion Ratio Lower Upper

45 100

77 123.2 0.8 40.8#

79 52.6 0.0 35.5#

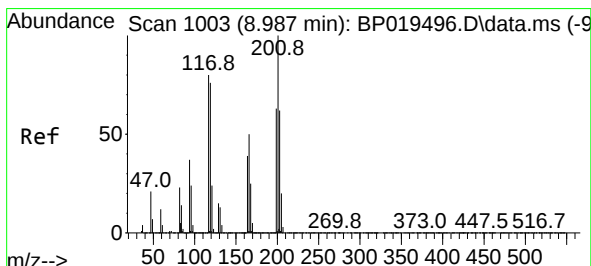
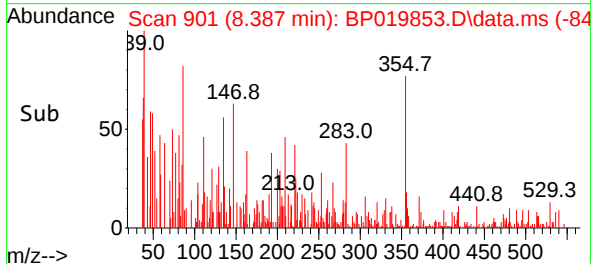
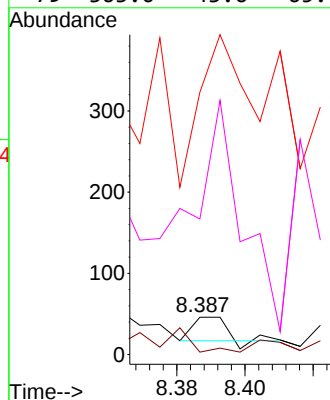
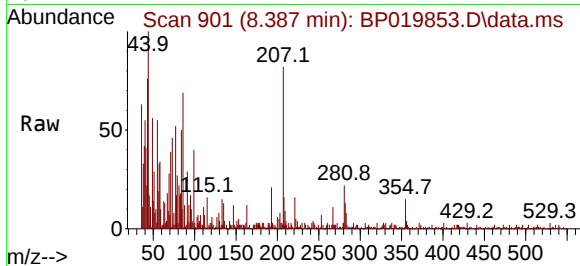




#17  
2-Methylphenol  
Concen: 14.847 ng  
RT: 8.387 min Scan# 901  
Delta R.T. 0.035 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

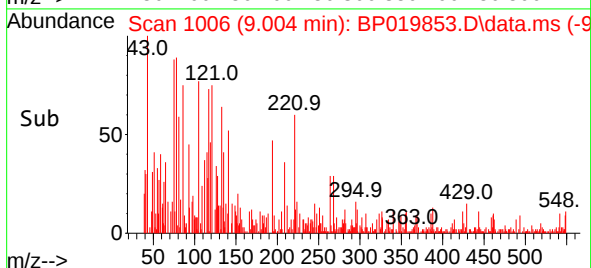
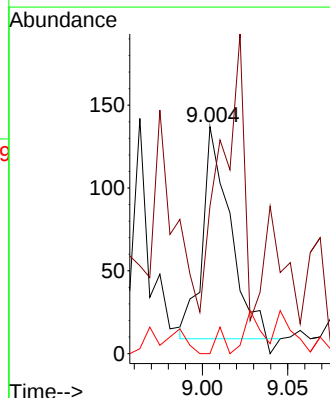
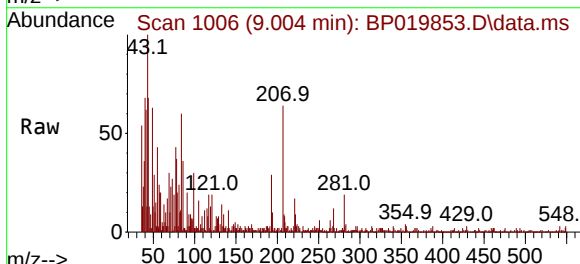
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

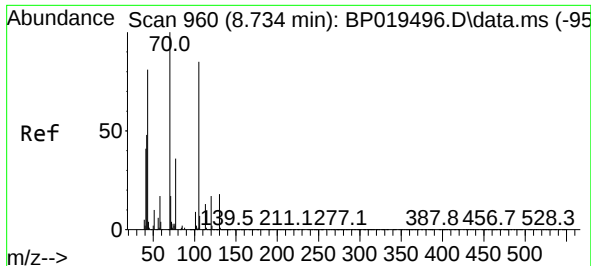
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 20     |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 6.5   | 87.0  | 130.6# |
| 77       | 702.2 | 43.5  | 65.3#  |
| 79       | 363.0 | 43.6  | 65.4#  |



#18  
Hexachloroethane  
Concen: 193.321 ng  
RT: 9.004 min Scan# 1006  
Delta R.T. 0.041 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 142    |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 64.0  | 75.5  | 113.3# |
| 201      | 0.0   | 99.4  | 149.2# |

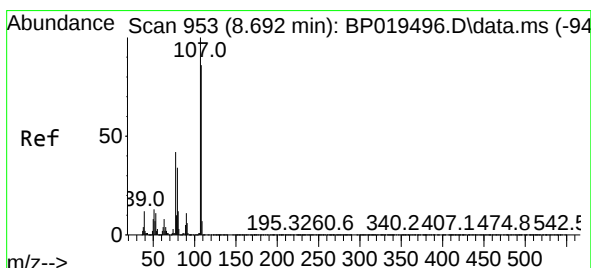
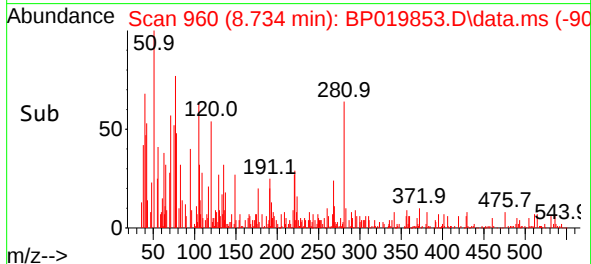
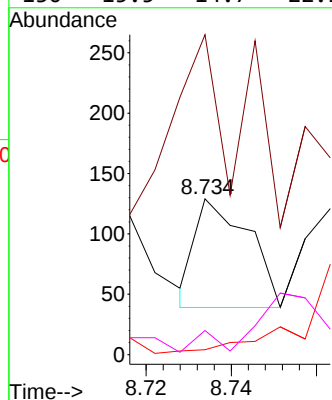
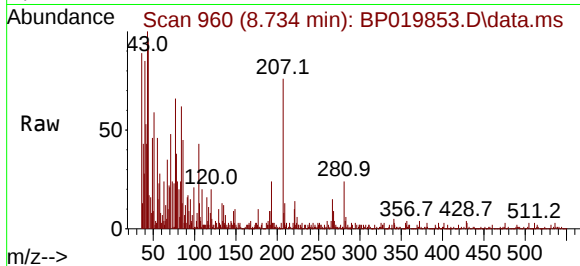




#19  
n-Nitroso-di-n-propylamine  
Concen: 56.881 ng  
RT: 8.734 min Scan# 90  
Delta R.T. 0.017 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

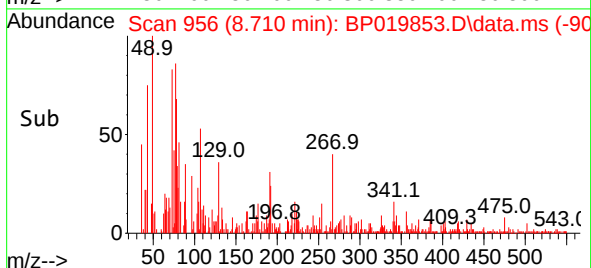
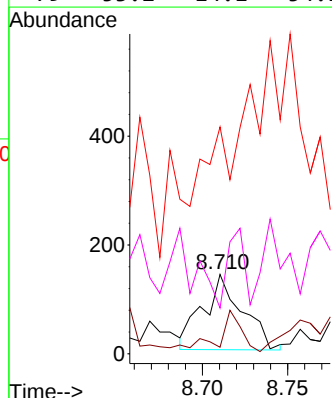
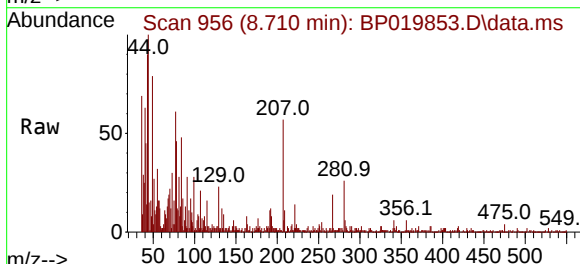
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

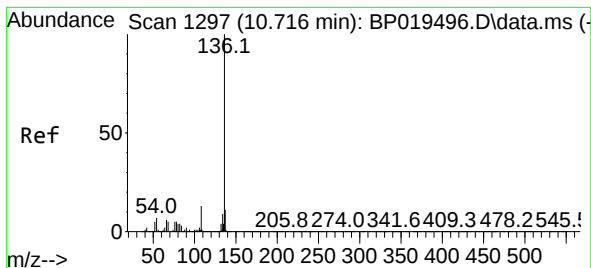
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 78    |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 205.4 | 39.2  | 58.8# |
| 101      | 3.1   | 7.3   | 10.9# |
| 130      | 15.5  | 14.7  | 22.1  |



#20  
3+4-Methylphenols  
Concen: 121.297 ng  
RT: 8.710 min Scan# 956  
Delta R.T. 0.029 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 223    |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 7.6   | 65.5  | 105.5# |
| 77       | 263.9 | 21.8  | 61.8#  |
| 79       | 53.2  | 14.1  | 54.1   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.722 min Scan# 11

Delta R.T. 0.017 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

Tgt Ion:136 Resp: 12

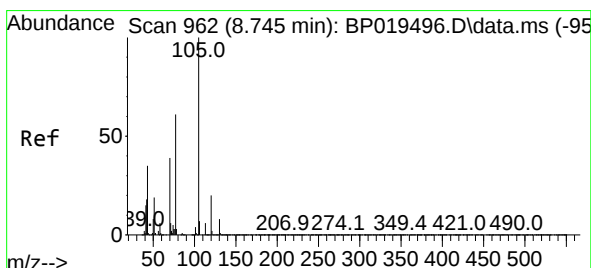
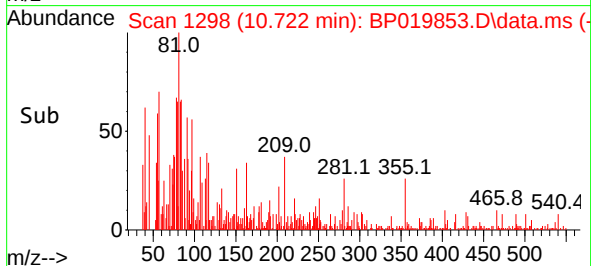
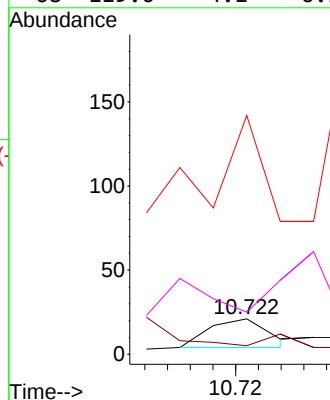
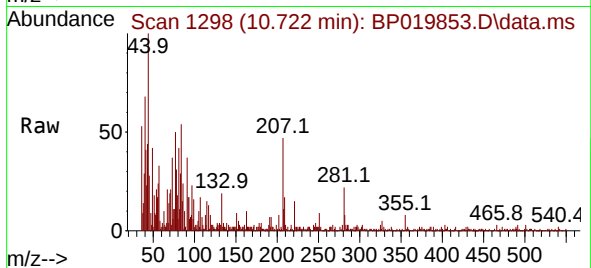
Ion Ratio Lower Upper

136 100

137 23.8 8.8 13.2#

54 676.2 5.3 7.9#

68 119.0 4.1 6.1#



#22

Acetophenone

Concen: 3059.721 ng

RT: 8.746 min Scan# 962

Delta R.T. 0.012 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Tgt Ion:105 Resp: 1046

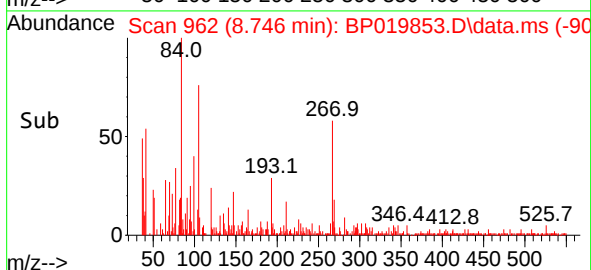
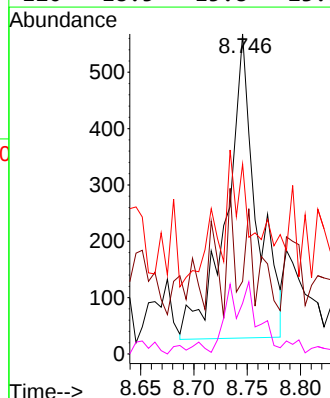
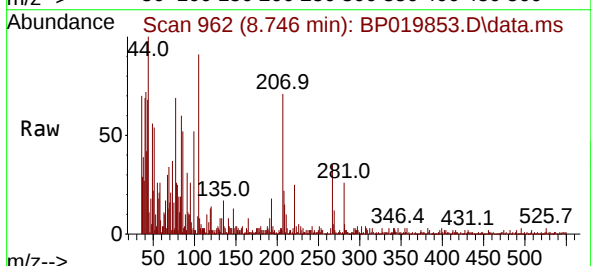
Ion Ratio Lower Upper

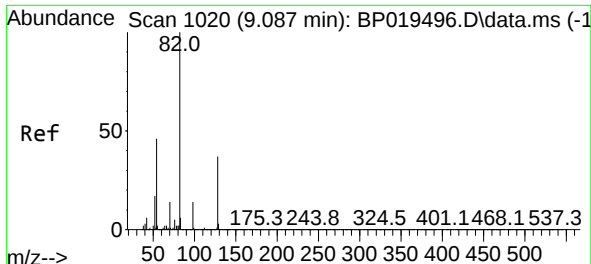
105 100

71 22.7 4.9 7.3#

51 59.3 20.7 31.1#

120 18.5 15.8 23.8

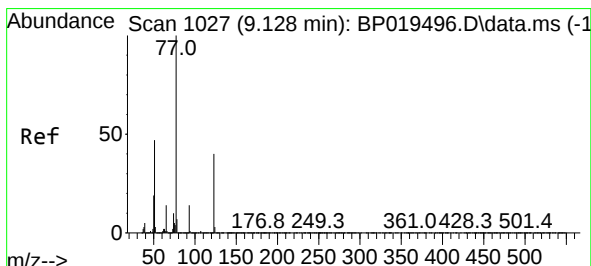
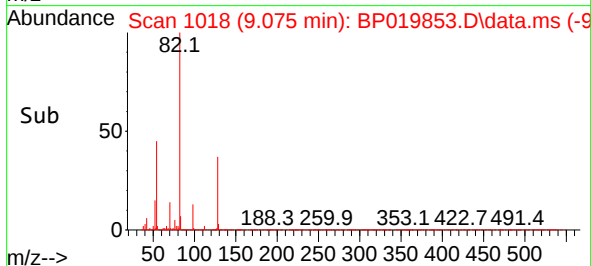
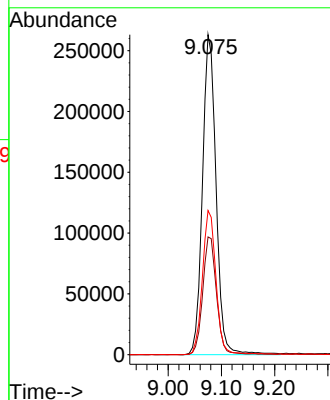
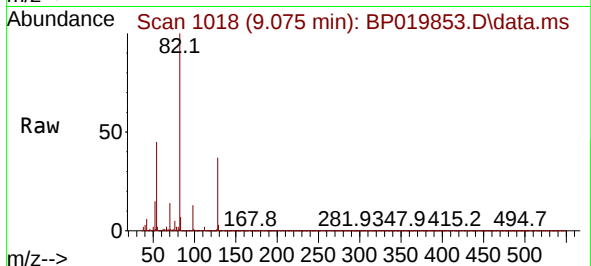




#23  
Nitrobenzene-d5  
Concen: 1684361.114 ng  
RT: 9.075 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

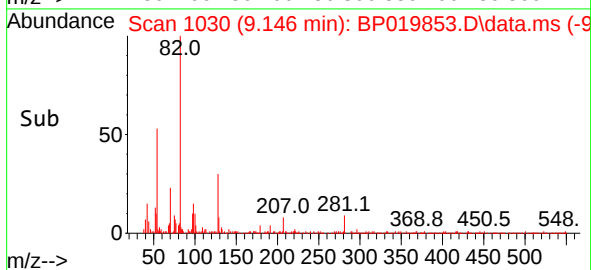
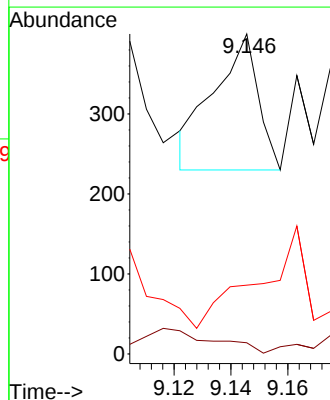
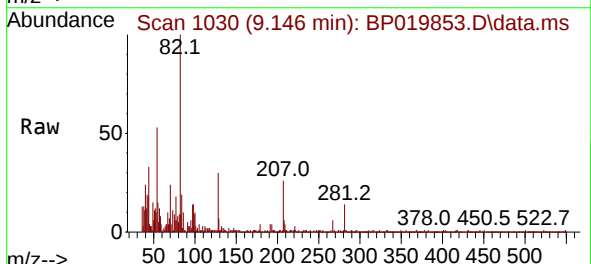
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

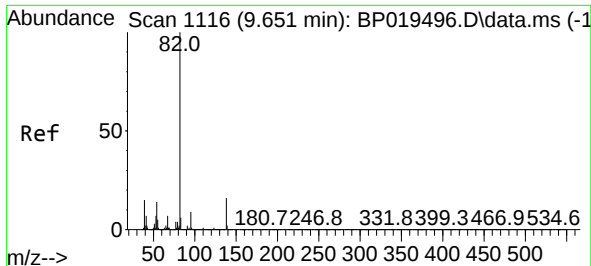
Tgt Ion: 82 Resp: 466459  
Ion Ratio Lower Upper  
82 100  
128 36.8 29.7 44.5  
54 45.0 36.8 55.2



#24  
Nitrobenzene  
Concen: 667.070 ng  
RT: 9.146 min Scan# 1030  
Delta R.T. 0.029 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion: 77 Resp: 186  
Ion Ratio Lower Upper  
77 100  
123 3.5 32.3 48.5#  
65 21.5 11.6 17.4#

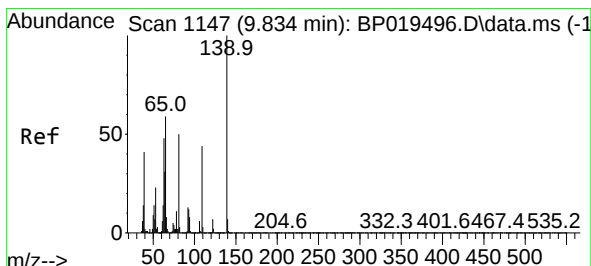
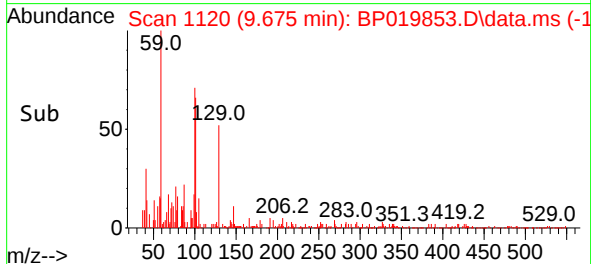
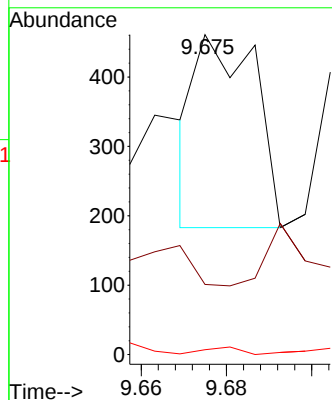
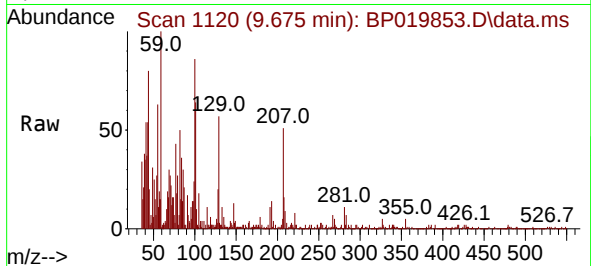




#25  
Isophorone  
Concen: 553.598 ng  
RT: 9.675 min Scan# 1116  
Delta R.T. 0.035 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

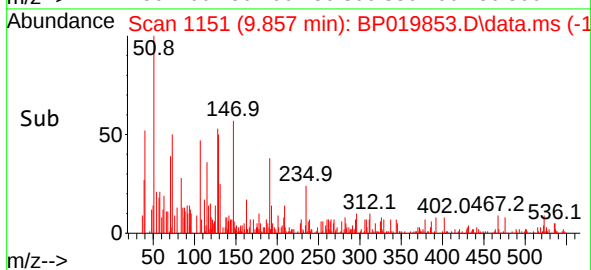
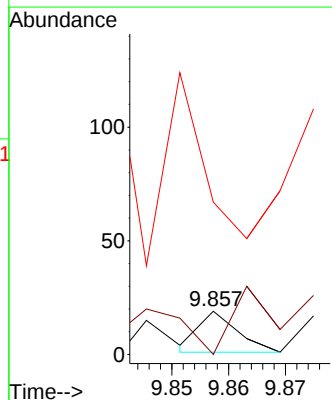
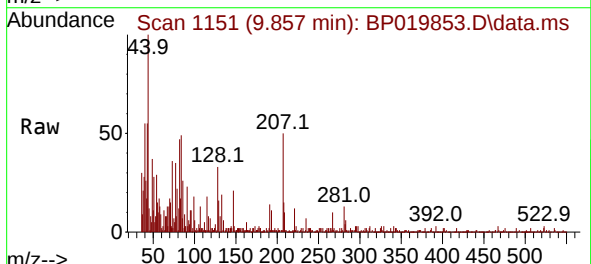
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

|             |                |
|-------------|----------------|
| Tgt Ion: 82 | Resp: 267      |
| Ion Ratio   | Lower Upper    |
| 82          | 100            |
| 95          | 21.9 7.0 10.4# |
| 138         | 3.5 13.1 19.7# |



#26  
2-Nitrophenol  
Concen: 75.247 ng  
RT: 9.857 min Scan# 1151  
Delta R.T. 0.035 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|              |                  |
|--------------|------------------|
| Tgt Ion: 139 | Resp: 8          |
| Ion Ratio    | Lower Upper      |
| 139          | 100              |
| 109          | 0.0 34.9 52.3#   |
| 65           | 352.6 47.5 71.3# |





#27

2,4-Dimethylphenol

Concen: 272.166 ng

RT: 9.898 min Scan# 1158

Delta R.T. 0.012 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

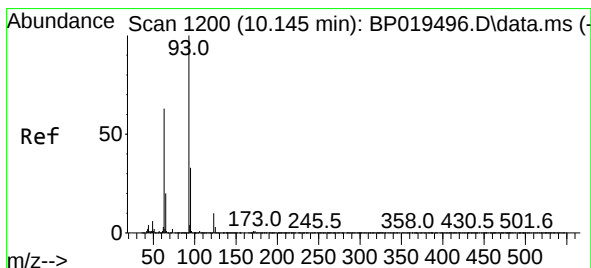
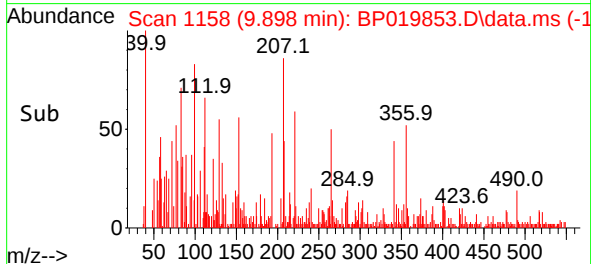
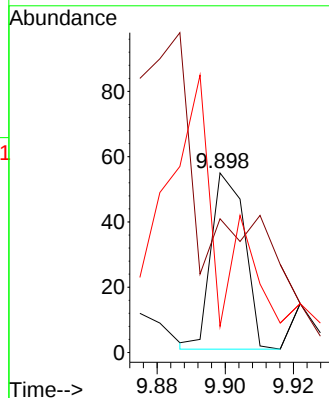
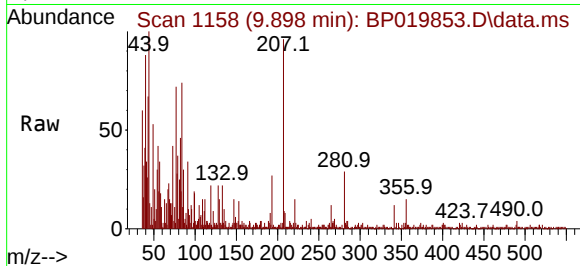
Tgt Ion:122 Resp: 37

Ion Ratio Lower Upper

122 100

107 68.3 105.9 158.9#

121 13.3 47.5 71.3#



#28

bis(2-Chloroethoxy)methane

Concen: 685.283 ng

RT: 10.128 min Scan# 1197

Delta R.T. -0.000 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

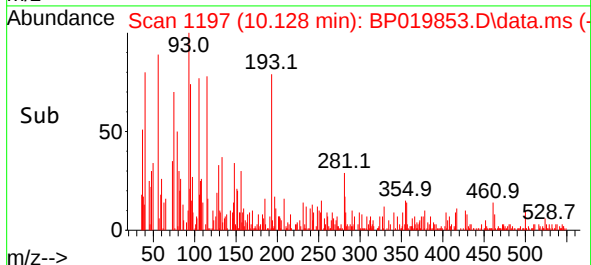
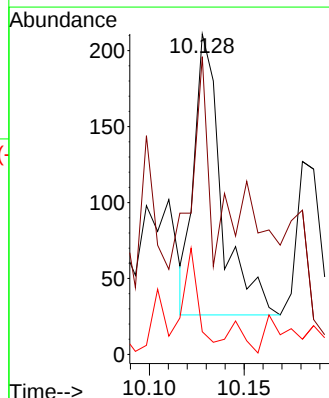
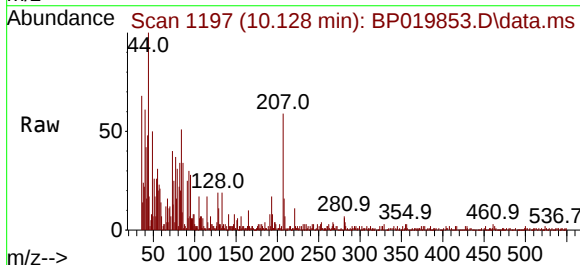
Tgt Ion: 93 Resp: 187

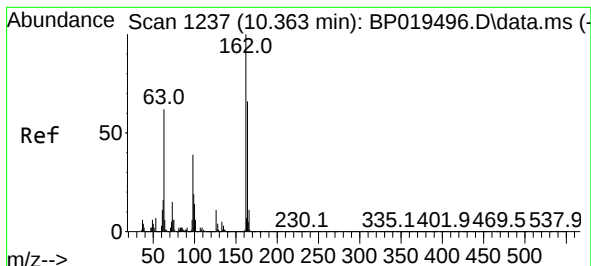
Ion Ratio Lower Upper

93 100

95 92.9 26.2 39.4#

123 7.1 8.5 12.7#





#29

2,4-Dichlorophenol

Concen: 180.045 ng

RT: 10.440 min Scan# 11

Delta R.T. 0.082 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

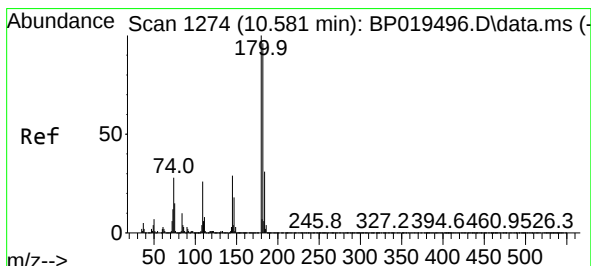
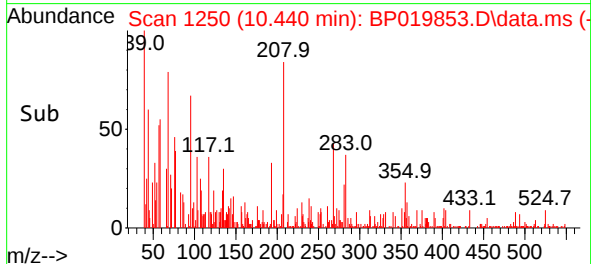
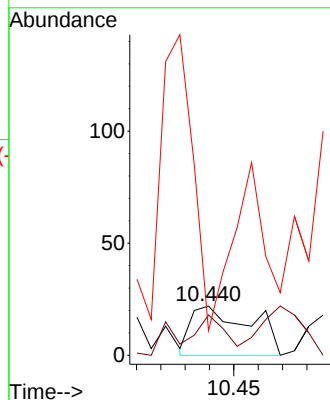
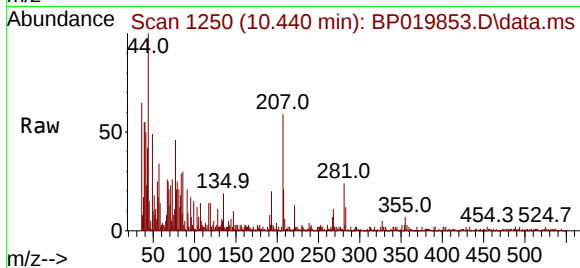
Tgt Ion:162 Resp: 37

Ion Ratio Lower Upper

162 100

164 81.8 46.0 86.0

98 50.0 18.7 58.7



#30

1,2,4-Trichlorobenzene

Concen: 27.781 ng

RT: 10.557 min Scan# 1270

Delta R.T. -0.006 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

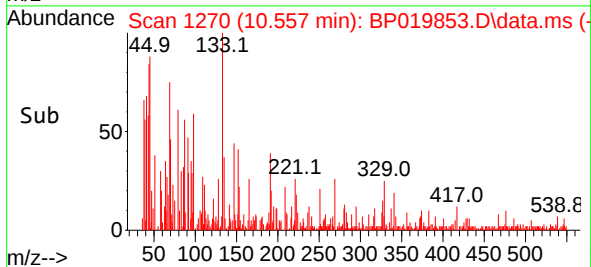
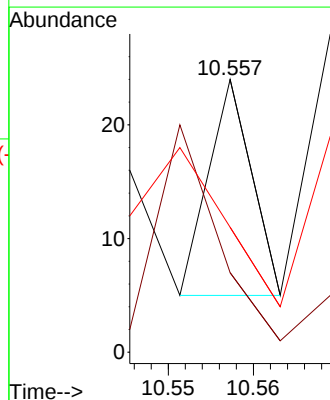
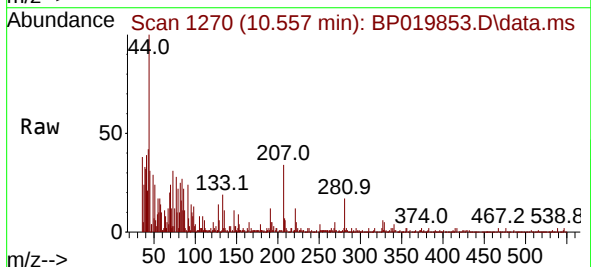
Tgt Ion:180 Resp: 7

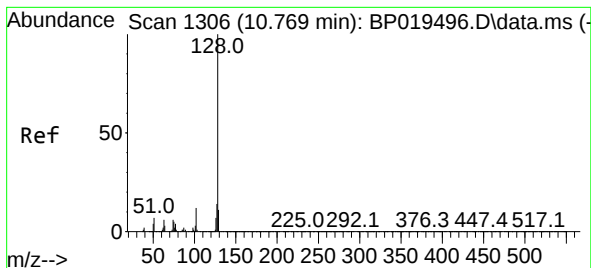
Ion Ratio Lower Upper

180 100

182 29.2 77.0 115.6#

145 45.8 23.2 34.8#





#31

Naphthalene

Concen: 1384.189 ng

RT: 10.763 min Scan# 1189

Delta R.T. 0.012 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

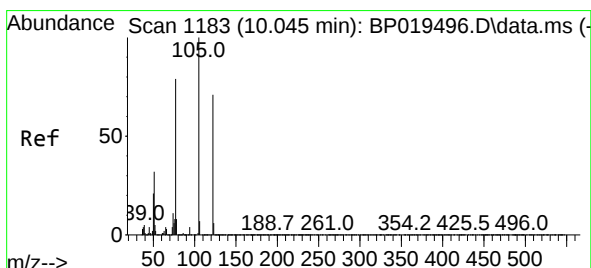
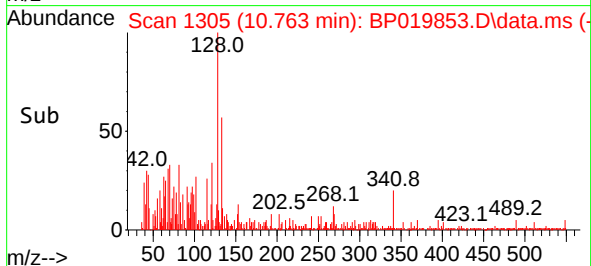
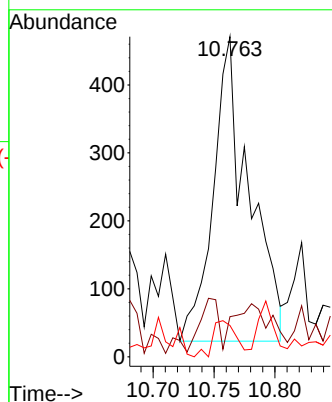
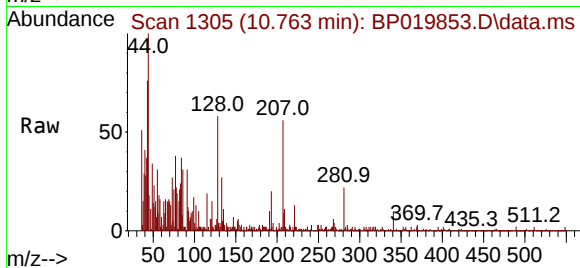
Tgt Ion:128 Resp: 911

Ion Ratio Lower Upper

128 100

129 12.5 8.6 13.0

127 9.8 10.8 16.2#



#32

Benzoic acid

Concen: 317.092 ng

RT: 10.081 min Scan# 1189

Delta R.T. 0.029 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

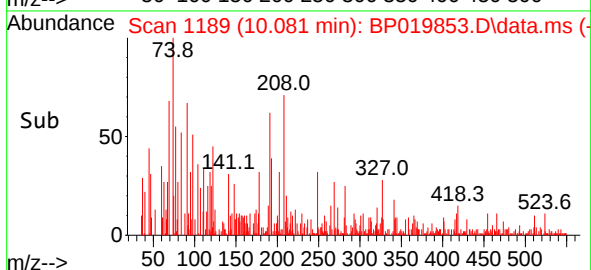
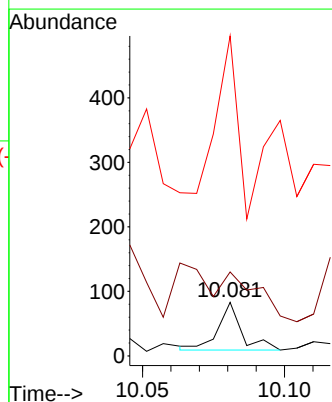
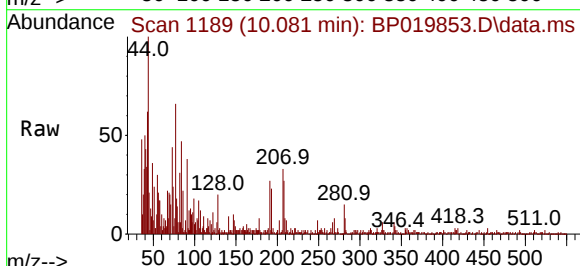
Tgt Ion:122 Resp: 42

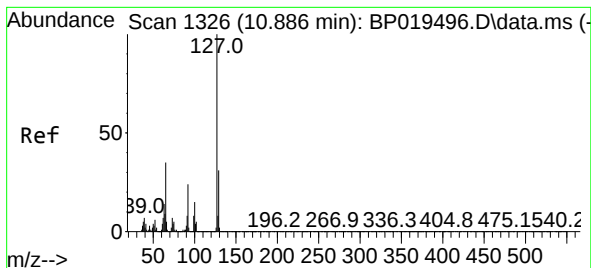
Ion Ratio Lower Upper

122 100

105 156.6 118.8 158.8

77 597.6 91.7 131.7#





#33

4-Chloroaniline

Concen: 262.950 ng

RT: 10.904 min Scan# 11

Delta R.T. 0.029 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

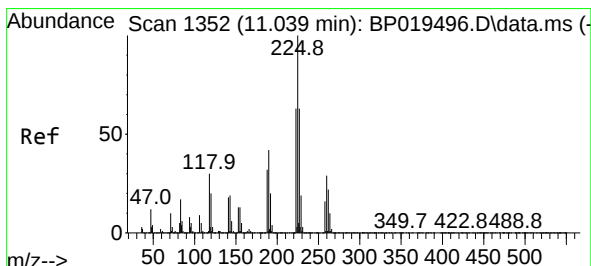
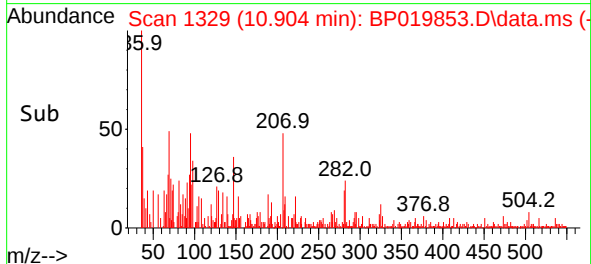
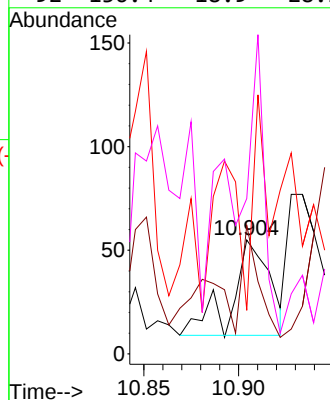
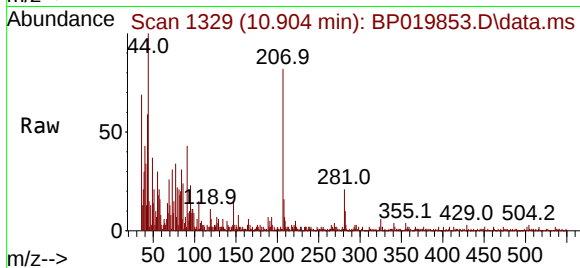
Instrument :

BNA\_P

ClientSampleId :

VNJ-202

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:127 | Resp: | 64          |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 112.7 | 24.6 36.8#  |
| 65          | 38.2  | 28.2 42.4   |
| 92          | 136.4 | 18.9 28.3#  |



#34

Hexachlorobutadiene

Concen: 149.956 ng

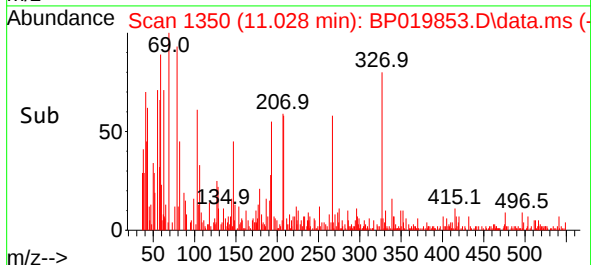
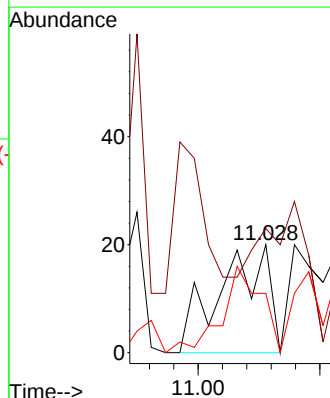
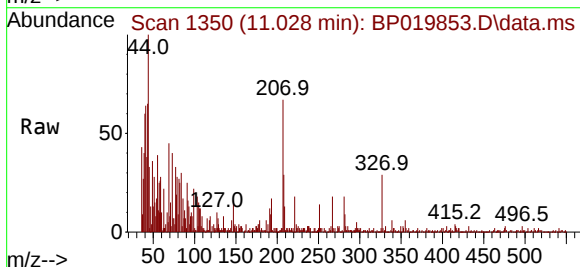
RT: 11.028 min Scan# 1350

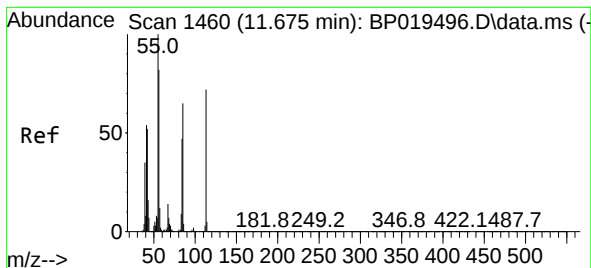
Delta R.T. 0.006 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 28          |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 115.0 | 50.5 75.7#  |
| 227         | 55.0  | 50.2 75.2   |





#35

Caprolactam

Concen: 309.401 ng

RT: 11.722 min Scan# 1468

Delta R.T. 0.029 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

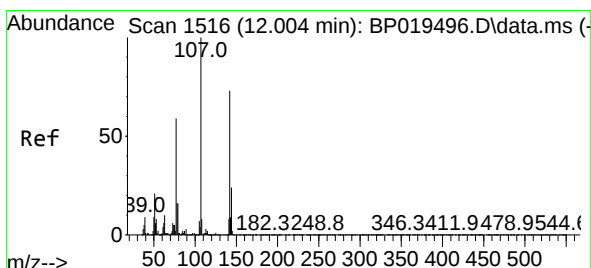
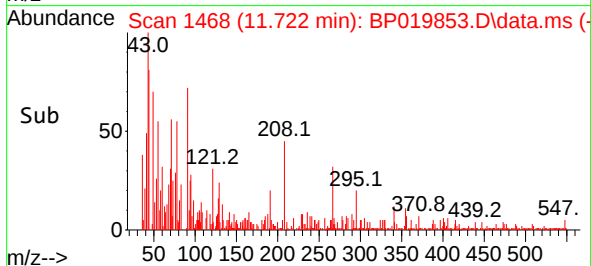
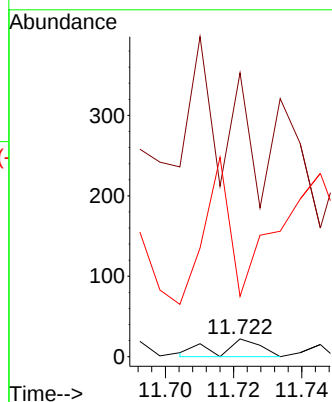
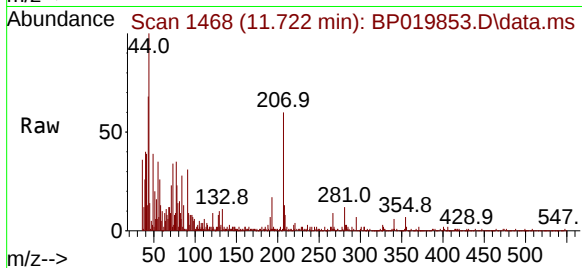
Tgt Ion:113 Resp: 18

Ion Ratio Lower Upper

113 100

55 1604.5 120.0 160.0#

56 340.9 94.0 134.0#



#36

4-Chloro-3-methylphenol

Concen: 307.928 ng

RT: 12.016 min Scan# 1518

Delta R.T. 0.012 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

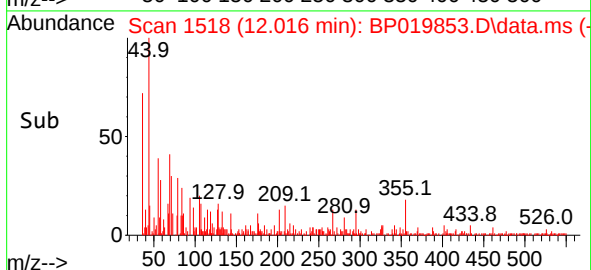
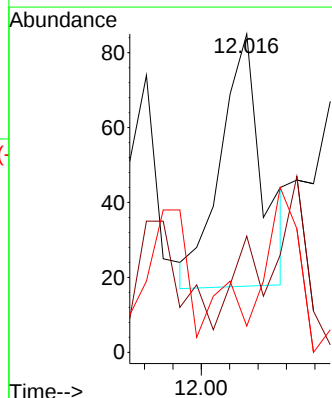
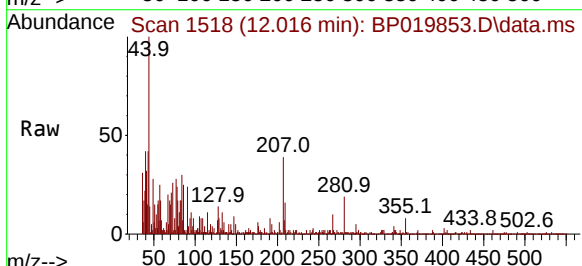
Tgt Ion:107 Resp: 69

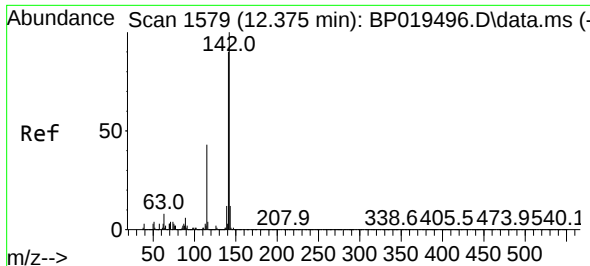
Ion Ratio Lower Upper

107 100

144 36.5 19.0 28.4#

142 23.5 58.6 88.0#

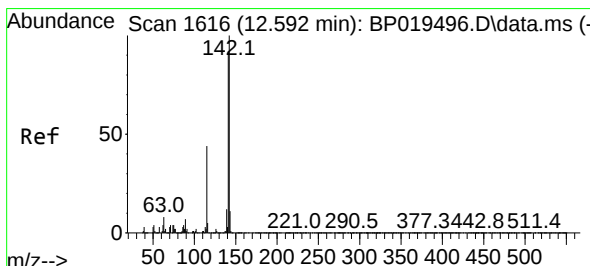
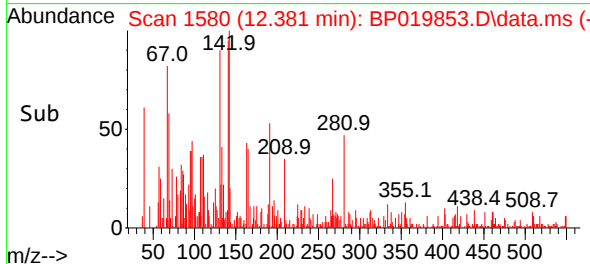
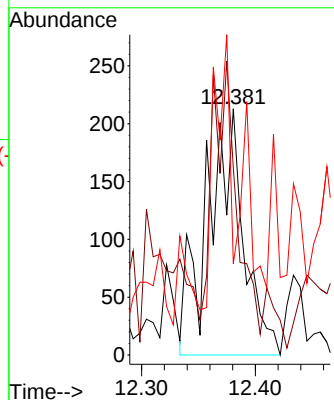
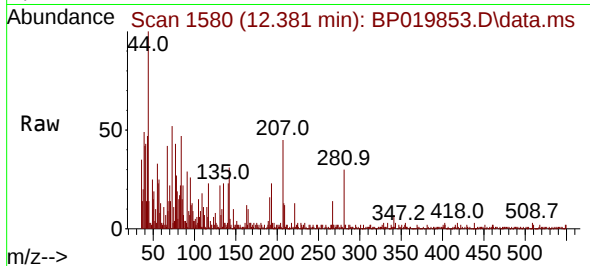




#37  
2-Methylnaphthalene  
Concen: 1047.272 ng  
RT: 12.381 min Scan# 11  
Delta R.T. 0.017 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

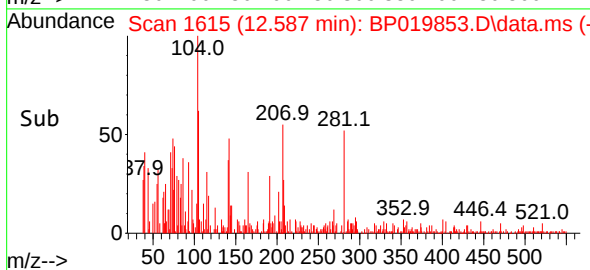
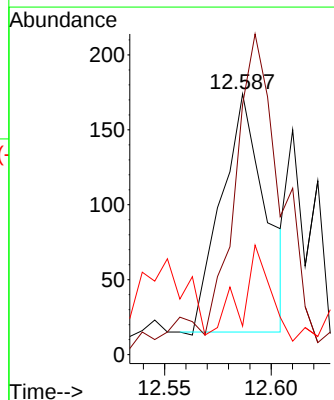
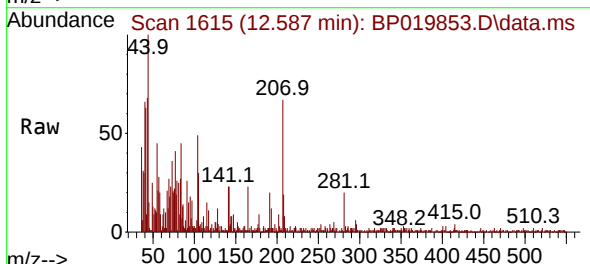
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

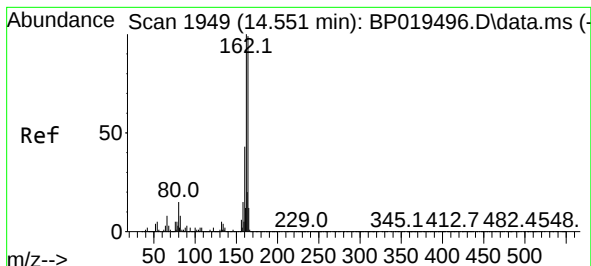
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:142 | Resp: | 477        |
| Ion Ratio   | Lower | Upper      |
| 142         | 100   |            |
| 141         | 76.1  | 72.2 108.4 |
| 115         | 37.1  | 34.2 51.2  |



#38  
1-Methylnaphthalene  
Concen: 509.390 ng  
RT: 12.587 min Scan# 1615  
Delta R.T. -0.000 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:142 | Resp: | 228        |
| Ion Ratio   | Lower | Upper      |
| 142         | 100   |            |
| 141         | 96.0  | 74.0 111.0 |
| 116         | 10.9  | 3.7 5.5#   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.757 min Scan# 1673

Delta R.T. 0.212 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

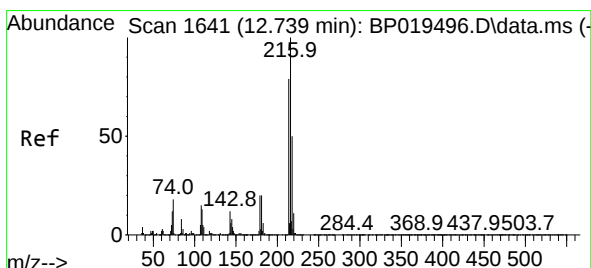
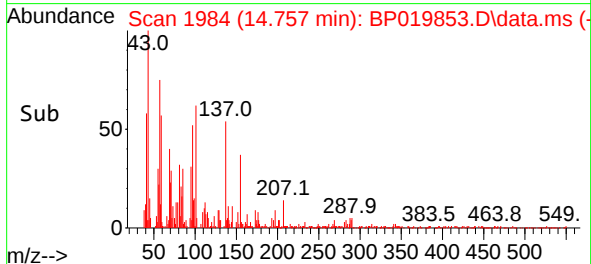
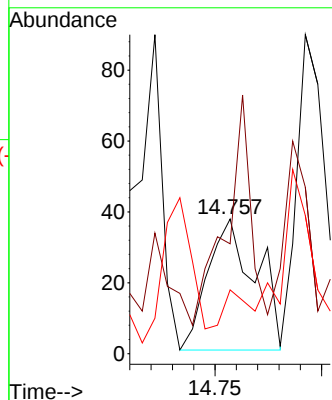
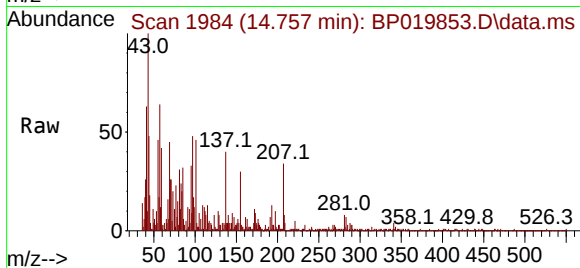
Tgt Ion:164 Resp: 58

Ion Ratio Lower Upper

164 100

162 81.6 81.2 121.8

160 47.4 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.047 ng

RT: 12.928 min Scan# 1673

Delta R.T. 0.200 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Tgt Ion:216 Resp: 18

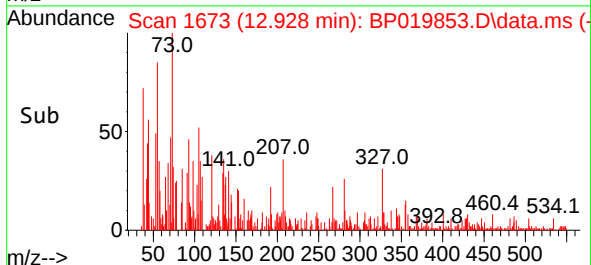
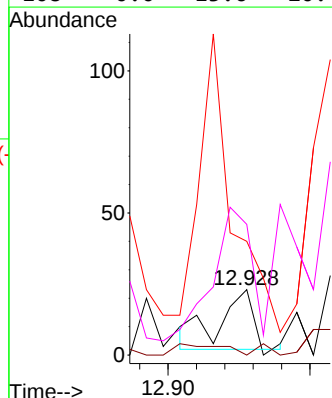
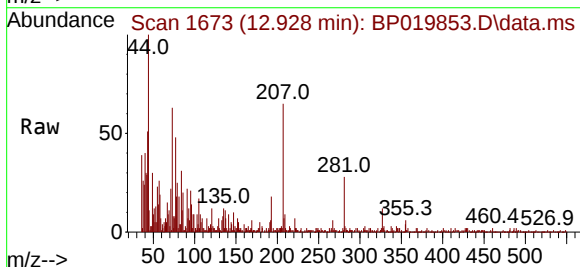
Ion Ratio Lower Upper

216 100

214 0.0 62.8 94.2#

179 461.1 16.6 24.8#

108 0.0 13.6 20.4#





#41

Hexachlorocyclopentadiene

Concen: 8.907 ng

RT: 12.757 min Scan# 1

Delta R.T. 0.064 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

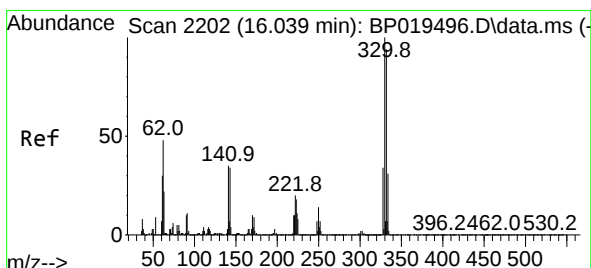
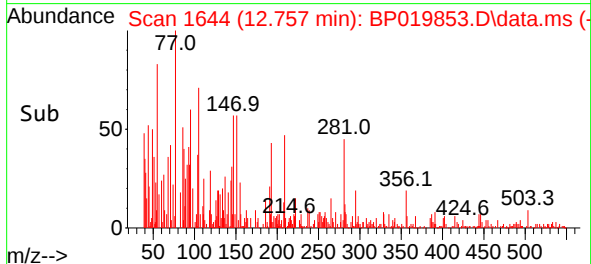
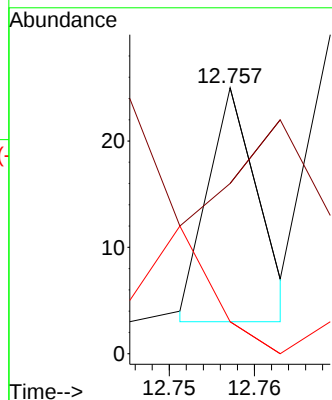
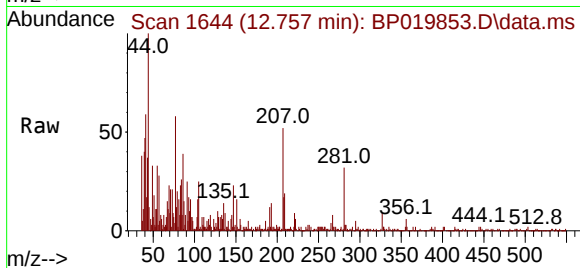
Tgt Ion:237 Resp: 9

Ion Ratio Lower Upper

237 100

235 64.0 43.7 83.7

272 12.0 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 259568.118 ng

RT: 16.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

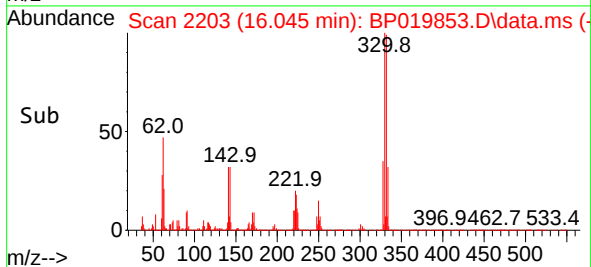
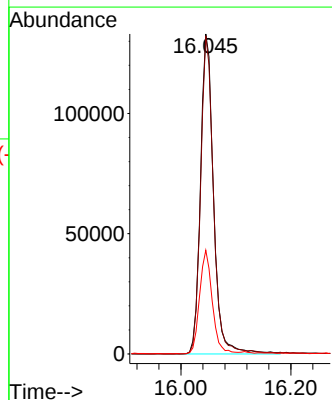
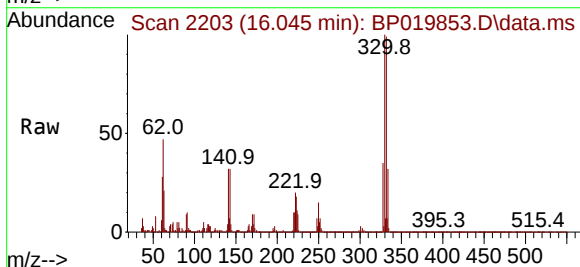
Tgt Ion:330 Resp: 219813

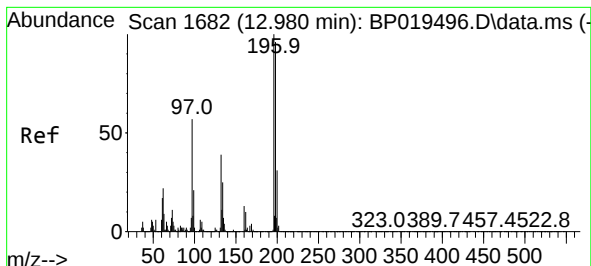
Ion Ratio Lower Upper

330 100

332 97.7 77.2 115.8

141 31.4 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 17.719 ng

RT: 13.157 min Scan# 1

Delta R.T. 0.176 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

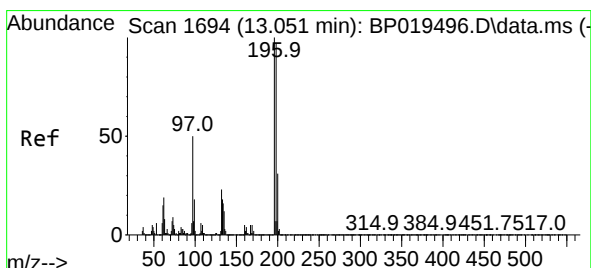
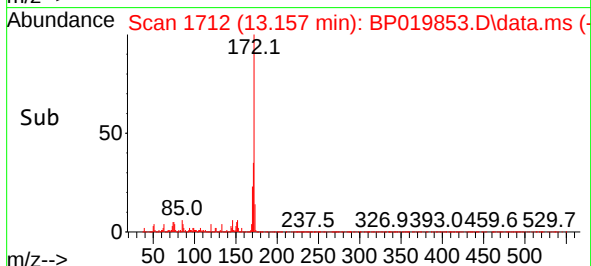
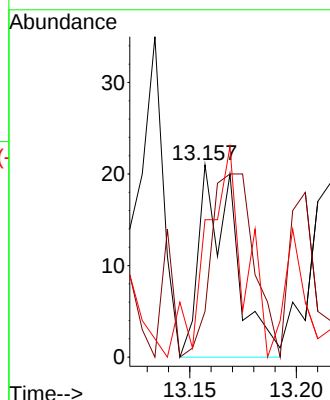
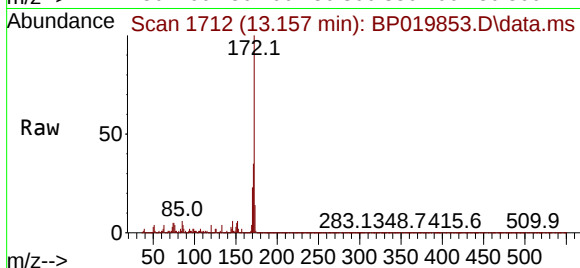
Tgt Ion:196 Resp: 24

Ion Ratio Lower Upper

196 100

198 23.8 76.7 115.1#

200 71.4 24.6 36.8#



#44

2,4,5-Trichlorophenol

Concen: 24.877 ng

RT: 13.245 min Scan# 1727

Delta R.T. 0.188 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Tgt Ion:196 Resp: 37

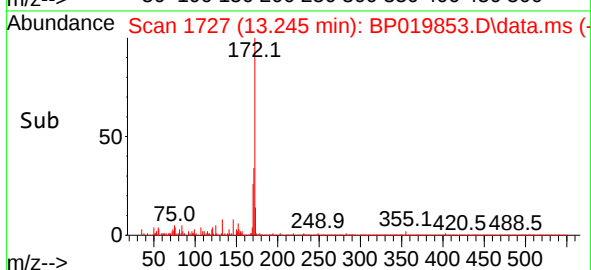
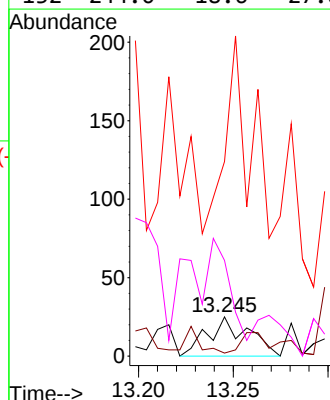
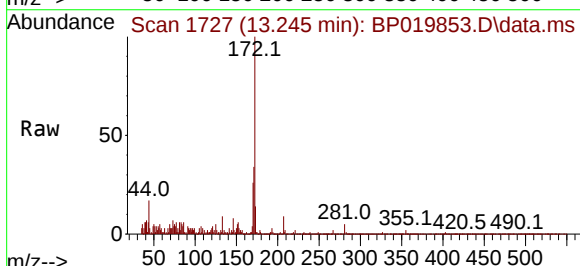
Ion Ratio Lower Upper

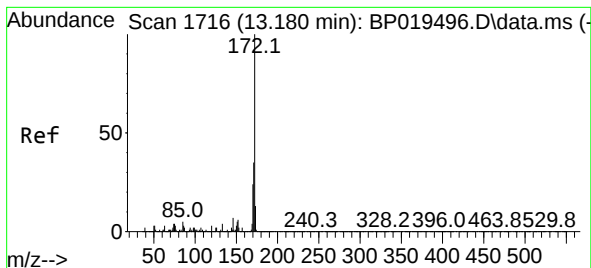
196 100

198 8.0 77.5 116.3#

97 496.0 39.9 59.9#

132 244.0 18.6 27.8#





#45

2-Fluorobiphenyl

Concen: 205489.457 ng

RT: 13.169 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

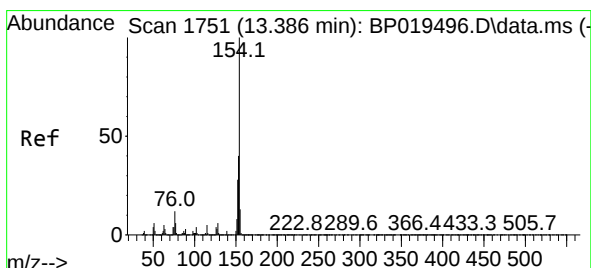
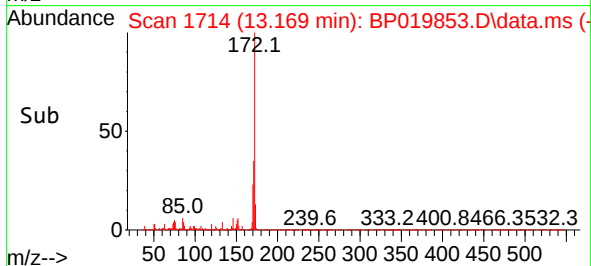
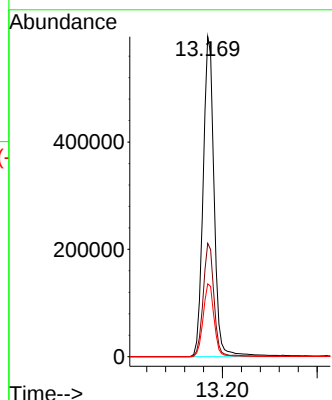
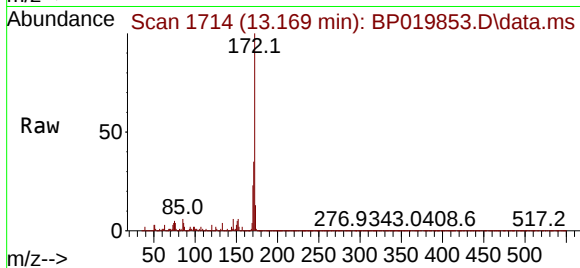
Tgt Ion:172 Resp: 964093

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

170 22.7 18.9 28.3



#46

1,1'-Biphenyl

Concen: 9.937 ng

RT: 13.581 min Scan# 1784

Delta R.T. 0.200 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

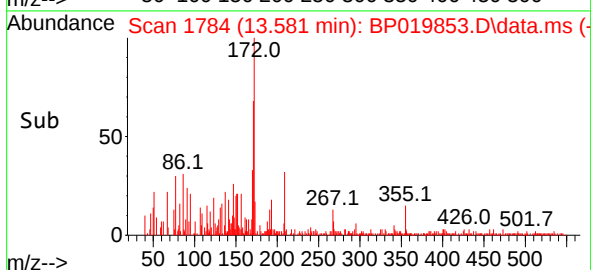
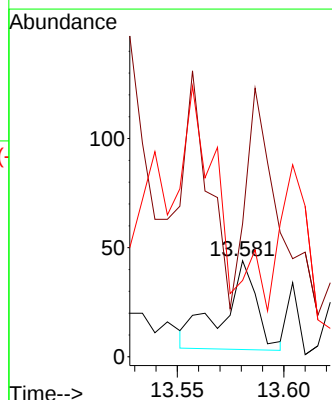
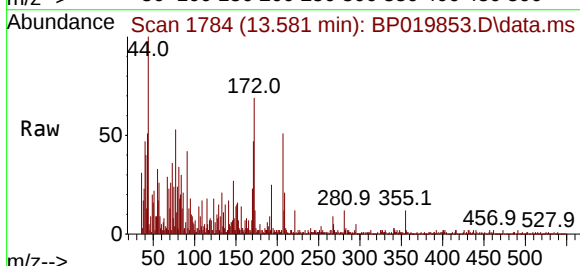
Tgt Ion:154 Resp: 46

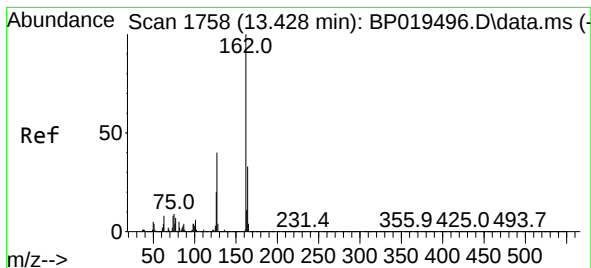
Ion Ratio Lower Upper

154 100

153 138.6 20.2 60.2#

76 79.5 0.0 31.6#

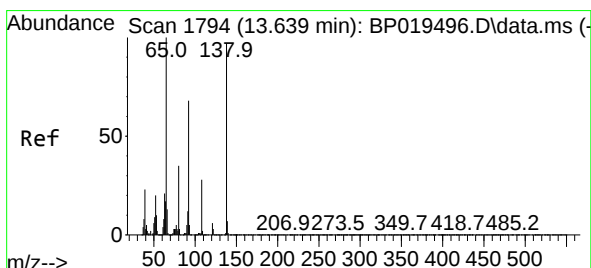
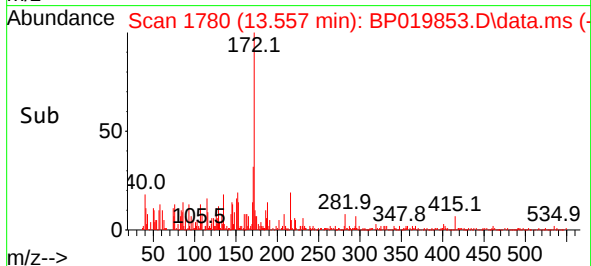
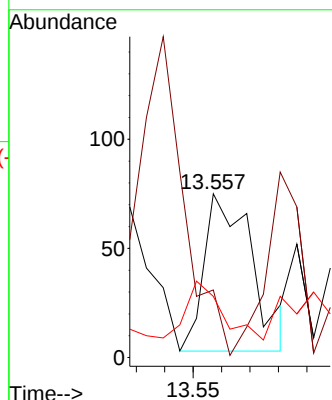
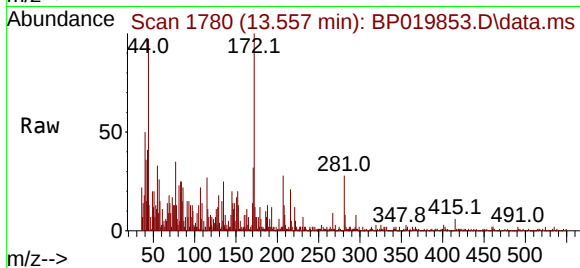




#47  
2-Chloronaphthalene  
Concen: 22.105 ng  
RT: 13.557 min Scan# 11  
Delta R.T. 0.135 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

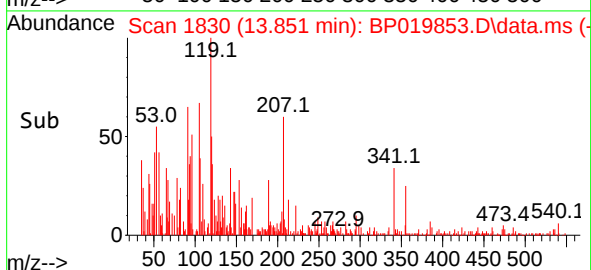
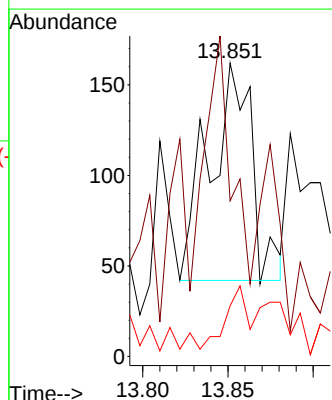
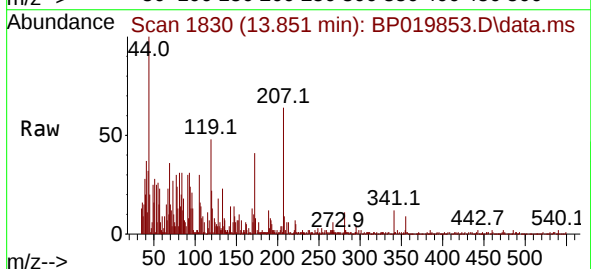
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

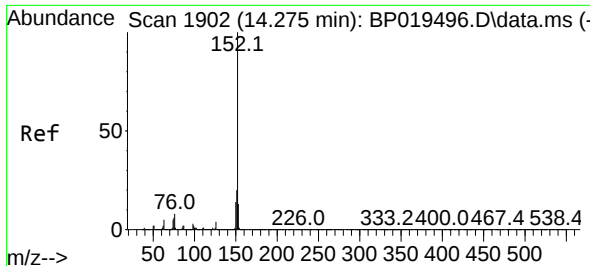
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 162   | Resp: | 84    |
| Ion      | Ratio | Lower | Upper |
| 162      | 100   |       |       |
| 127      | 41.3  | 32.1  | 48.1  |
| 164      | 37.3  | 26.7  | 40.1  |



#48  
2-Nitroaniline  
Concen: 196.694 ng  
RT: 13.851 min Scan# 1830  
Delta R.T. 0.212 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 209    |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 92       | 53.1  | 54.7  | 82.1#  |
| 138      | 17.3  | 77.8  | 116.6# |

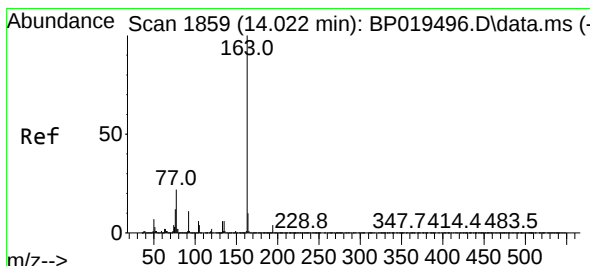
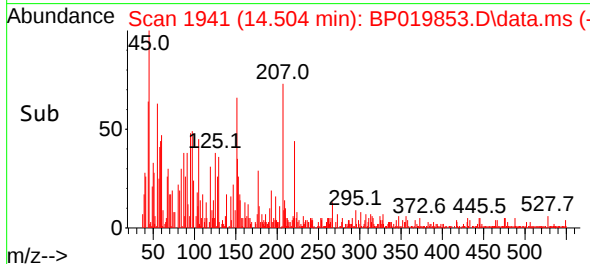
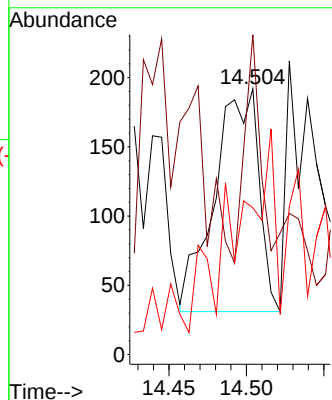
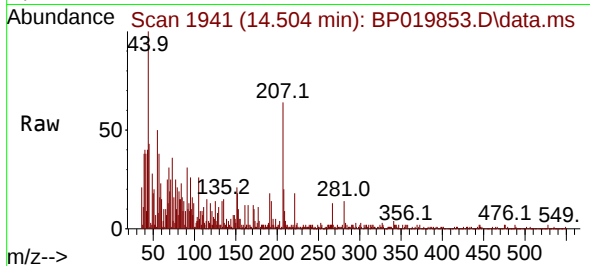




#49  
Acenaphthylene  
Concen: 59.648 ng  
RT: 14.504 min Scan# 1941  
Delta R.T. 0.235 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

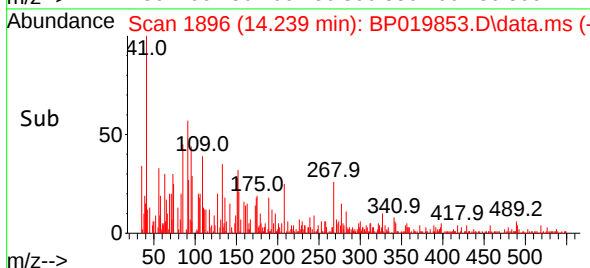
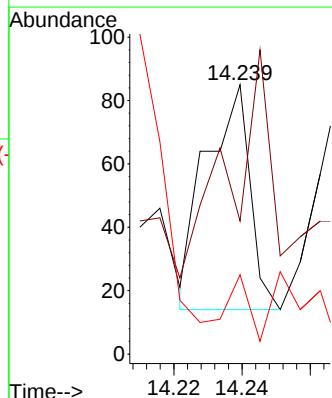
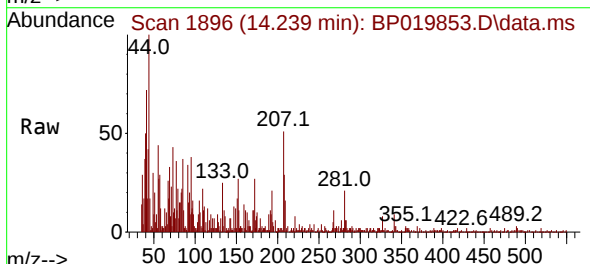
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

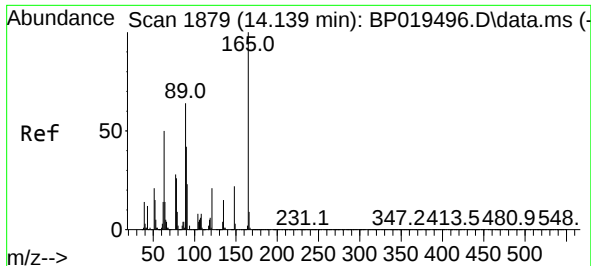
Tgt Ion:152 Resp: 318  
Ion Ratio Lower Upper  
152 100  
151 120.3 15.8 23.6#  
153 55.2 10.6 15.8#



#50  
Dimethylphthalate  
Concen: 14.414 ng  
RT: 14.239 min Scan# 1896  
Delta R.T. 0.223 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:163 Resp: 64  
Ion Ratio Lower Upper  
163 100  
194 49.4 3.4 5.2#  
164 29.4 7.8 11.6#

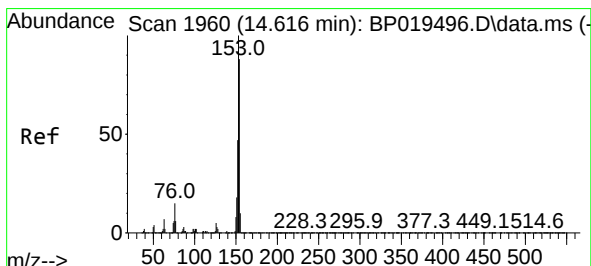
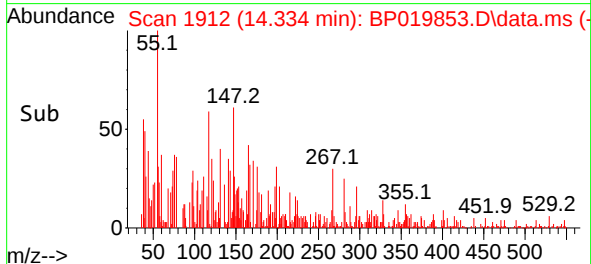
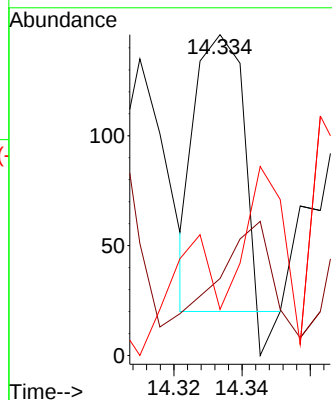
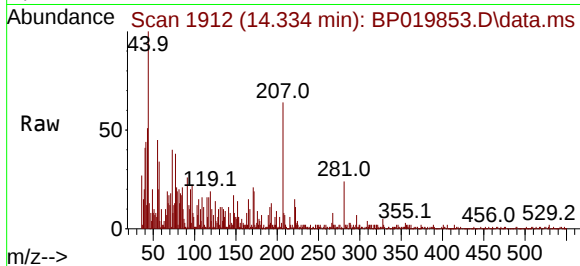




#51  
2,6-Dinitrotoluene  
Concen: 120.962 ng  
RT: 14.334 min Scan# 1912  
Delta R.T. 0.194 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

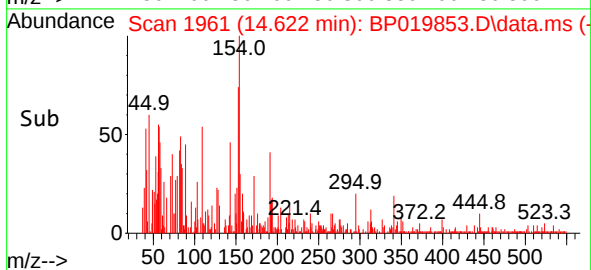
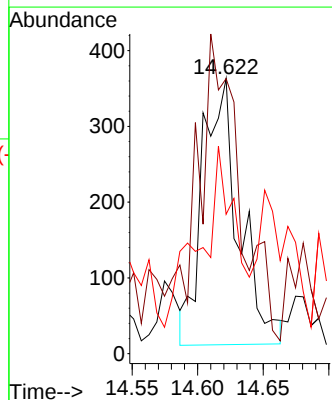
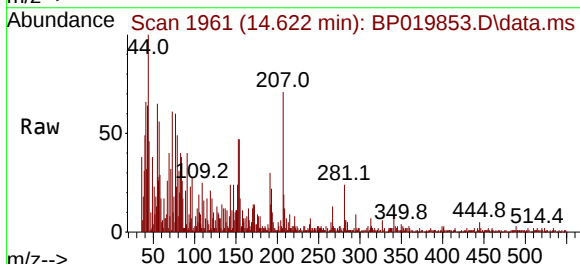
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

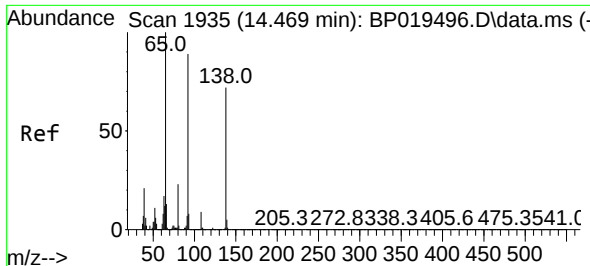
Tgt Ion:165 Resp: 118  
Ion Ratio Lower Upper  
165 100  
63 24.0 50.4 75.6#  
89 14.4 51.7 77.5#



#52  
Acenaphthene  
Concen: 205.811 ng  
RT: 14.622 min Scan# 1961  
Delta R.T. 0.012 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:154 Resp: 681  
Ion Ratio Lower Upper  
154 100  
153 100.0 90.5 135.7  
152 50.7 42.1 63.1

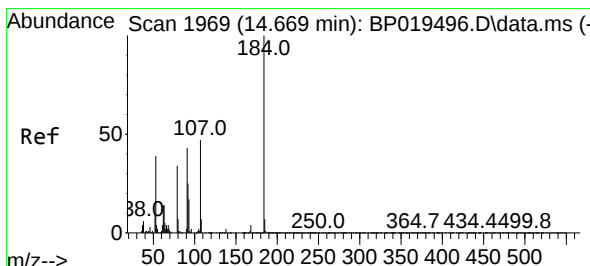
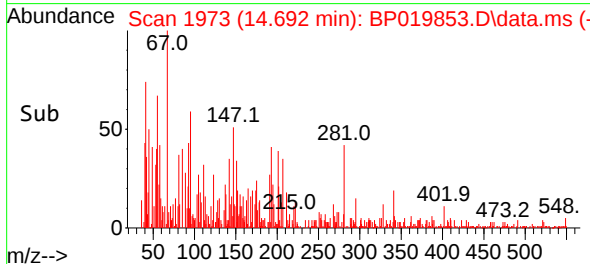
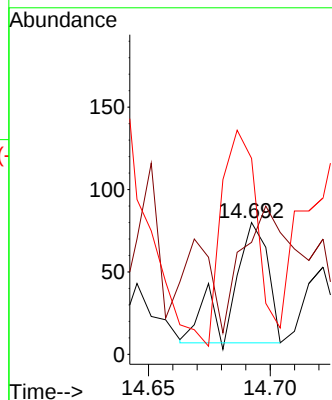
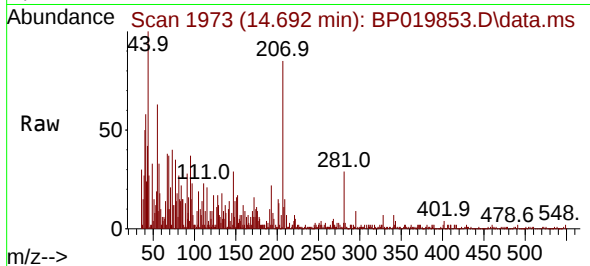




#53  
3-Nitroaniline  
Concen: 84.774 ng  
RT: 14.692 min Scan# 1935  
Delta R.T. 0.223 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

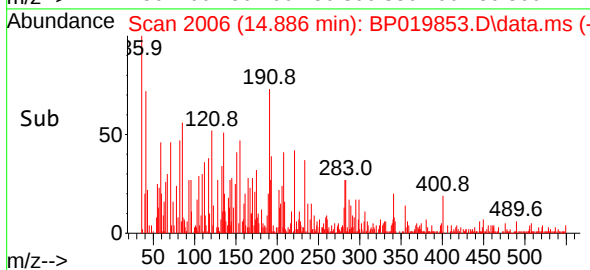
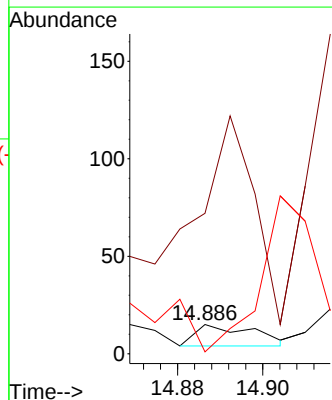
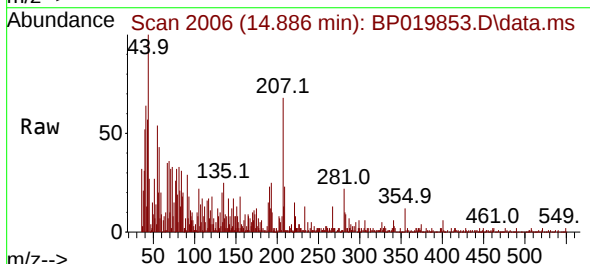
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BNA\_P  
ClientSampleId :  
VNJ-202

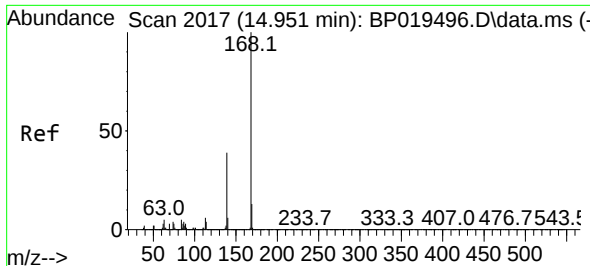
Tgt Ion:138 Resp: 76  
Ion Ratio Lower Upper  
138 100  
108 85.0 9.7 14.5#  
92 148.8 98.0 147.0#



#54  
2,4-Dinitrophenol  
Concen: 21.718 ng  
RT: 14.886 min Scan# 2006  
Delta R.T. 0.200 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:184 Resp: 11  
Ion Ratio Lower Upper  
184 100  
63 500.0 50.5 75.7#  
154 6.7 53.4 80.0#

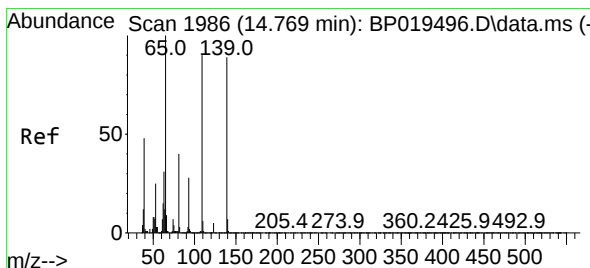
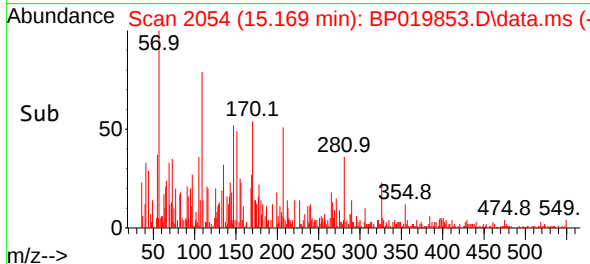
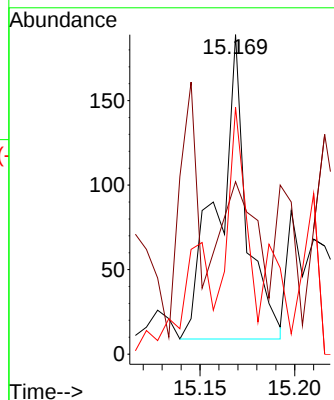
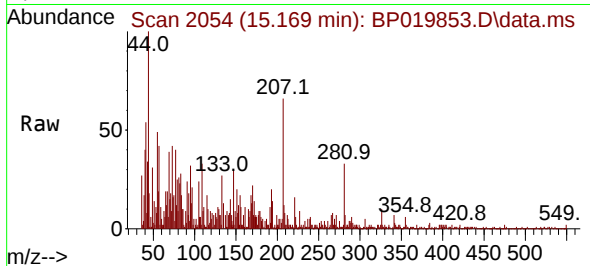




#55  
Dibenzenofuran  
Concen: 35.070 ng  
RT: 15.169 min Scan# 2054  
Delta R.T. 0.223 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

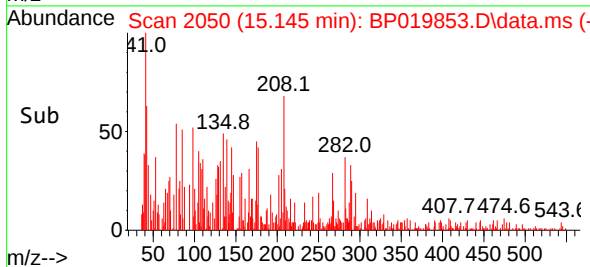
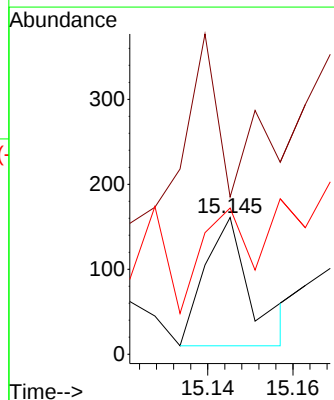
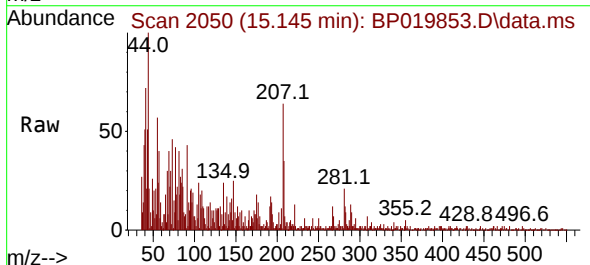
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BNA\_P  
ClientSampleId :  
VNJ-202

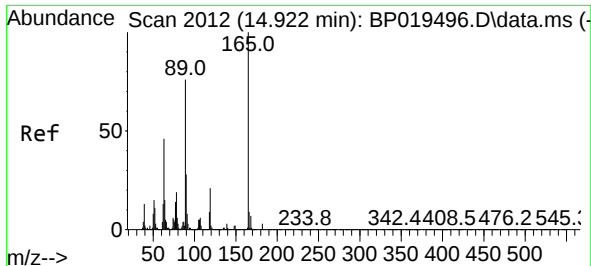
Tgt Ion:168 Resp: 189  
Ion Ratio Lower Upper  
168 100  
139 54.0 31.5 47.3#  
169 77.2 10.3 15.5#



#56  
4-Nitrophenol  
Concen: 156.504 ng  
RT: 15.145 min Scan# 2050  
Delta R.T. 0.353 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:139 Resp: 115  
Ion Ratio Lower Upper  
139 100  
109 114.9 82.0 122.0  
65 106.8 92.9 132.9

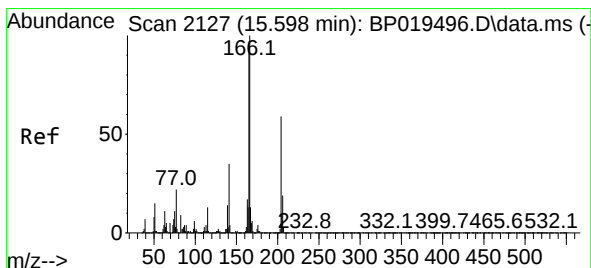
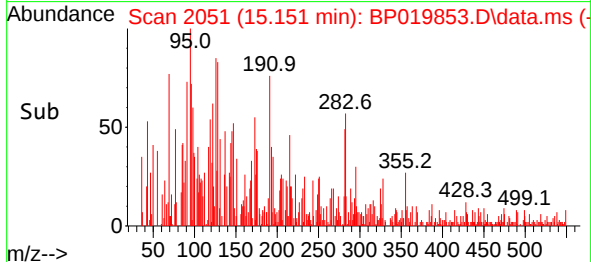
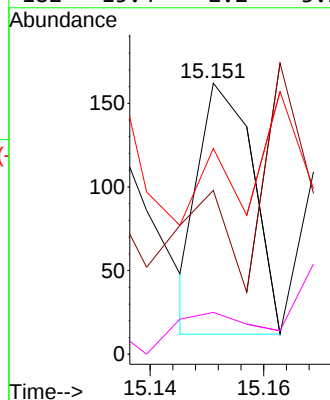
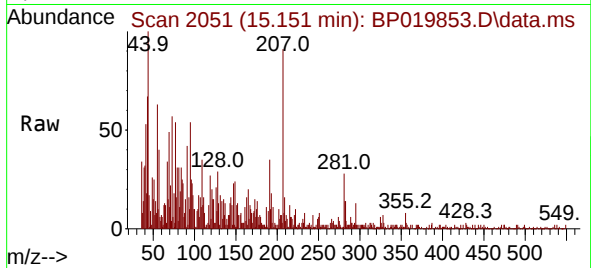




#57  
2,4-Dinitrotoluene  
Concen: 75.879 ng  
RT: 15.151 min Scan# 2012  
Delta R.T. 0.217 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

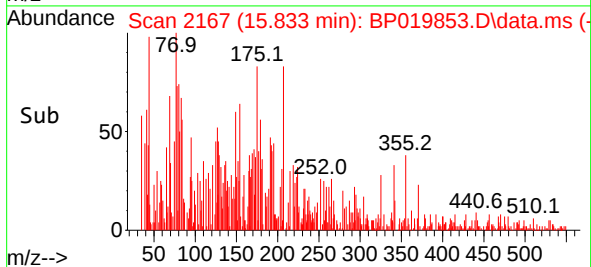
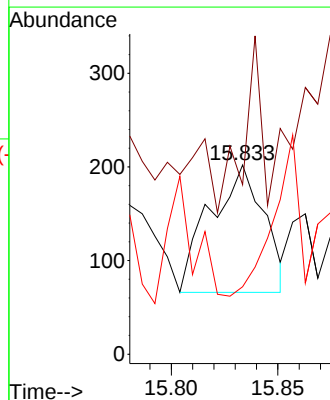
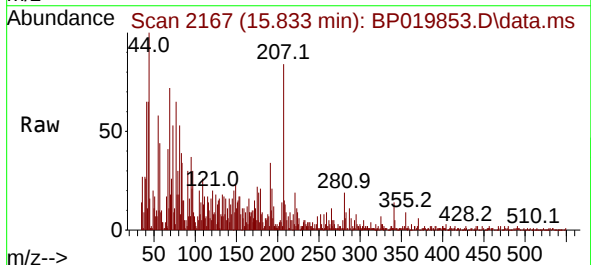
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

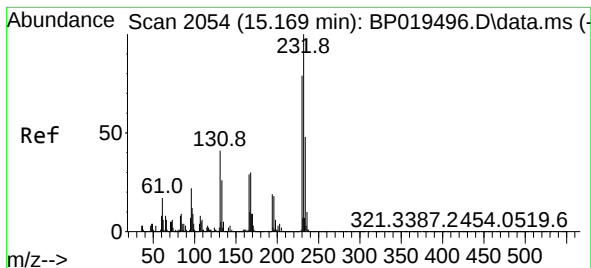
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 97    |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 60.5  | 36.9  | 55.3# |
| 89        | 75.9  | 61.1  | 91.7  |
| 182       | 15.4  | 2.2   | 3.2#  |



#58  
Fluorene  
Concen: 55.913 ng  
RT: 15.833 min Scan# 2167  
Delta R.T. 0.229 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 166   | Resp: | 240   |
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 89.6  | 77.8  | 116.8 |
| 167       | 35.6  | 10.7  | 16.1# |





#59

2,3,4,6-Tetrachlorophenol

Concen: 63.948 ng

RT: 15.375 min Scan# 2054

Delta R.T. 0.200 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNL\_P

ClientSampleId :

VNJ-202

Tgt Ion:232 Resp: 80

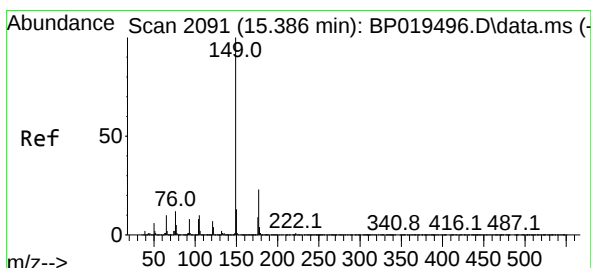
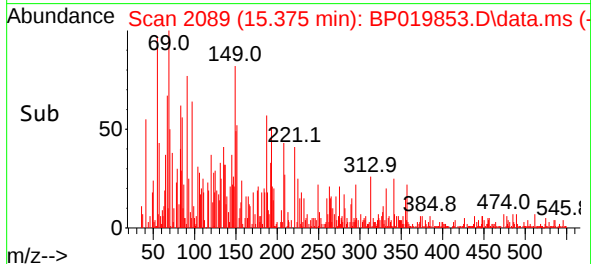
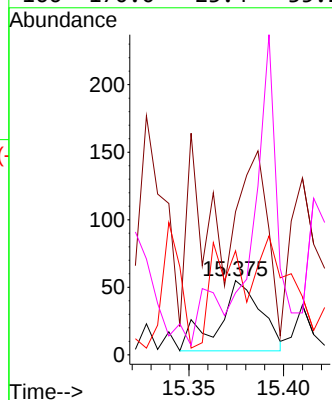
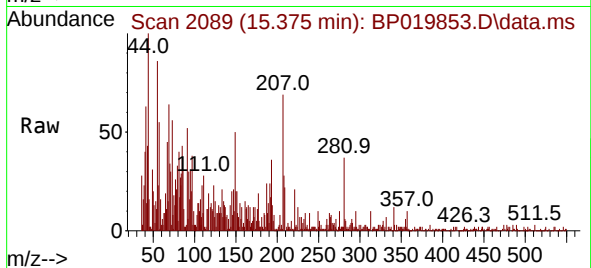
Ion Ratio Lower Upper

232 100

131 188.8 32.4 48.6#

130 195.0 1.9 2.9#

166 170.0 23.4 35.2#



#60

Diethylphthalate

Concen: 38.267 ng

RT: 15.610 min Scan# 2129

Delta R.T. 0.229 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

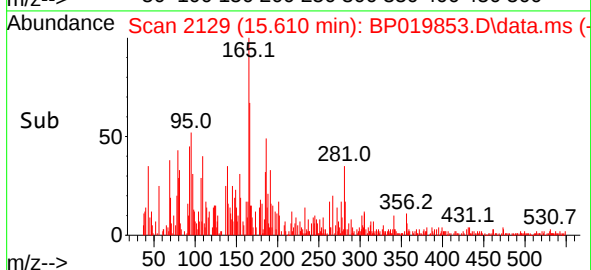
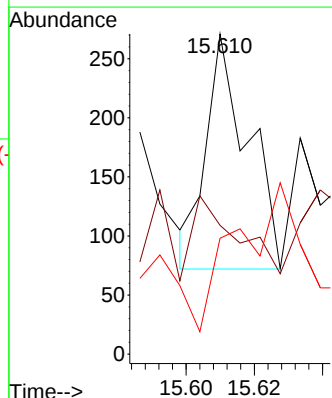
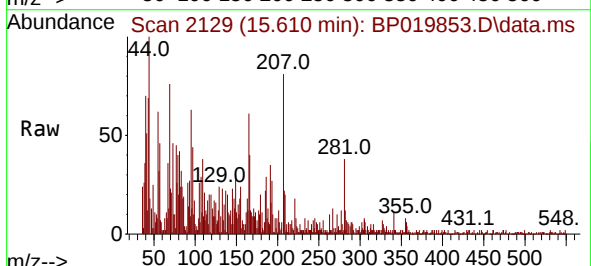
Tgt Ion:149 Resp: 169

Ion Ratio Lower Upper

149 100

177 40.2 18.2 27.2#

150 36.2 10.2 15.4#

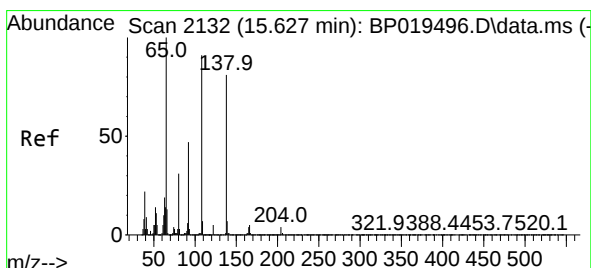
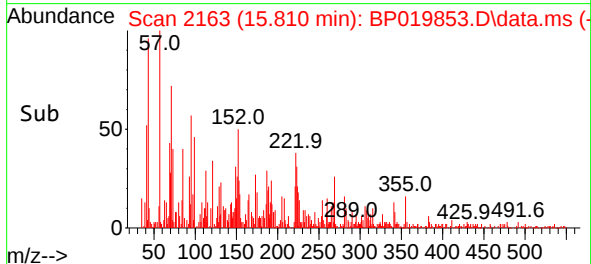
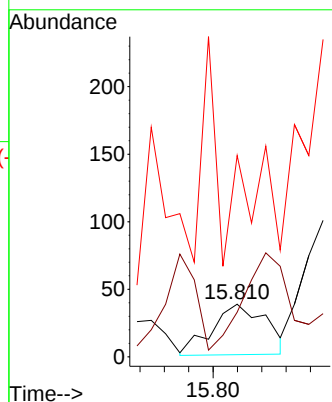
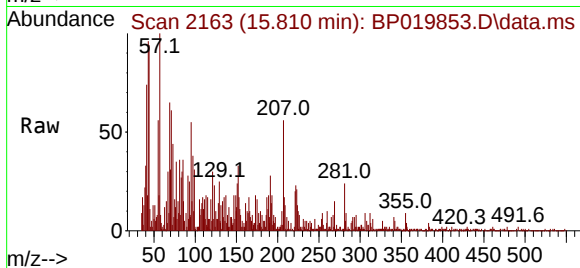




#61  
4-Chlorophenyl-phenylether  
Concen: 24.041 ng  
RT: 15.810 min Scan# 2117  
Delta R.T. 0.212 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

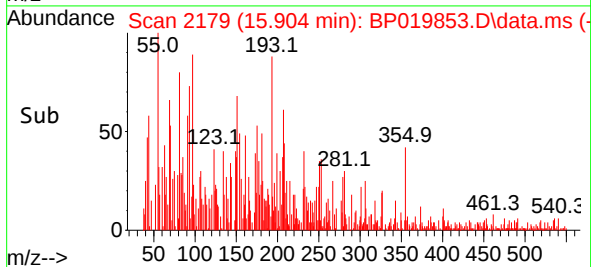
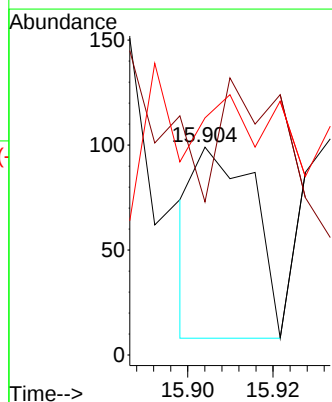
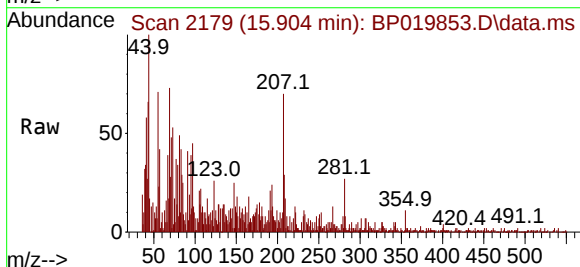
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

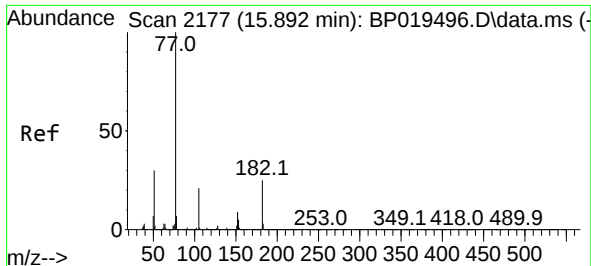
Tgt Ion:204 Resp: 58  
Ion Ratio Lower Upper  
204 100  
206 84.6 26.5 39.7#  
141 382.1 48.5 72.7#



#62  
4-Nitroaniline  
Concen: 92.583 ng  
RT: 15.904 min Scan# 2179  
Delta R.T. 0.264 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:138 Resp: 87  
Ion Ratio Lower Upper  
138 100  
92 73.7 38.3 78.3  
108 114.1 91.2 131.2

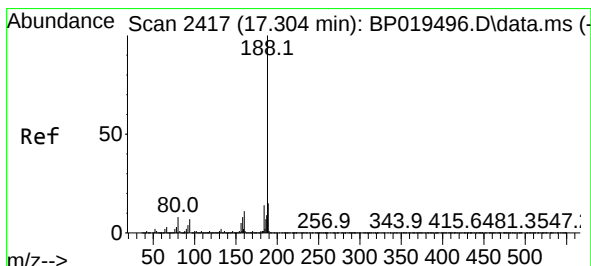
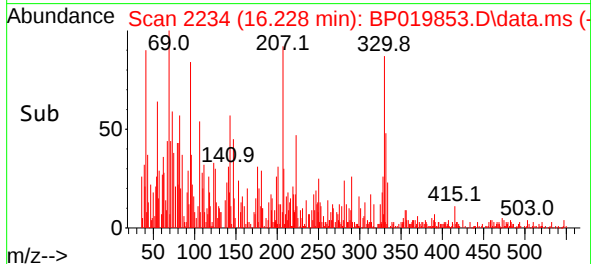
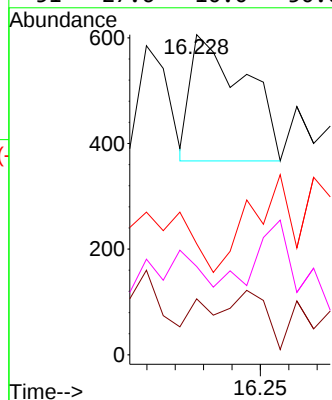
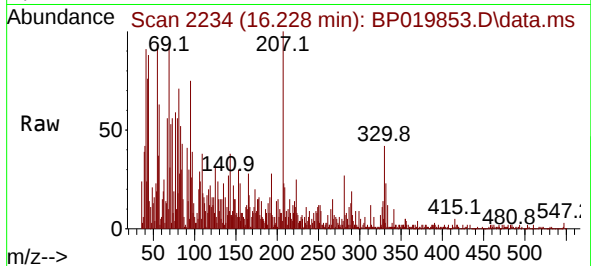




#63  
Azobenzene  
Concen: 74.228 ng  
RT: 16.228 min Scan# 2177  
Delta R.T. 0.335 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

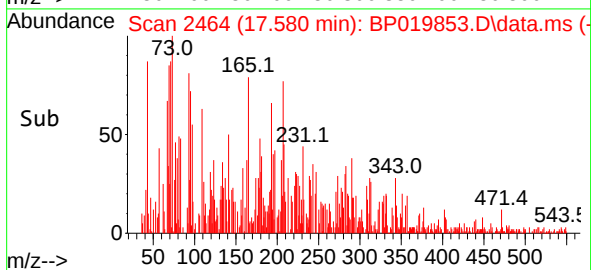
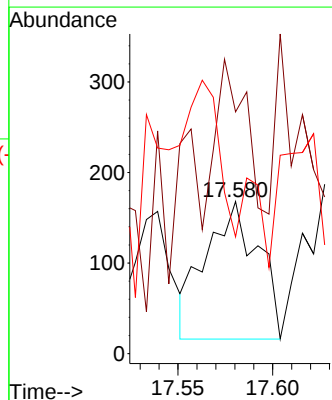
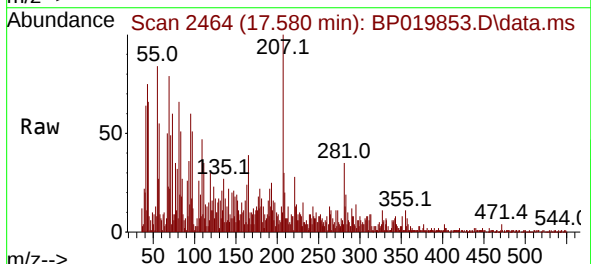
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

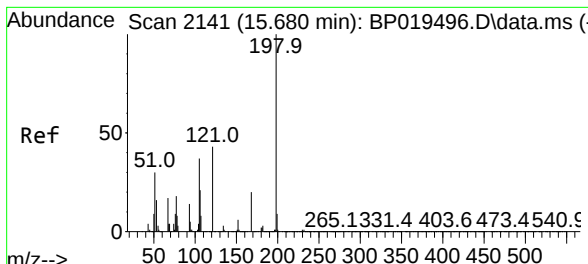
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 317   |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 182 17.5    | 5.1 45.1    |
| 105 34.7    | 0.8 40.8    |
| 51 27.6     | 10.0 50.0   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.580 min Scan# 2464  
Delta R.T. 0.270 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

|             |             |
|-------------|-------------|
| Tgt Ion:188 | Resp: 292   |
| Ion Ratio   | Lower Upper |
| 188 100     |             |
| 94 158.9    | 5.4 8.2#    |
| 80 76.8     | 6.3 9.5#    |

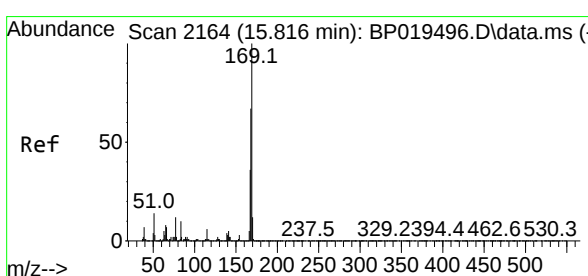
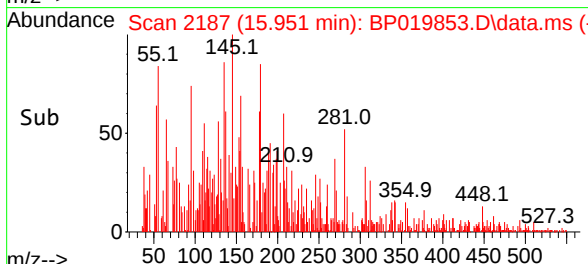
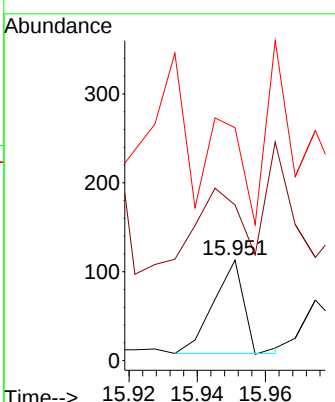
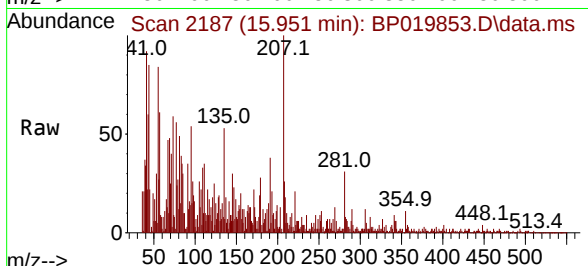




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 39.640 ng  
 RT: 15.951 min Scan# 2141  
 Delta R.T. 0.253 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

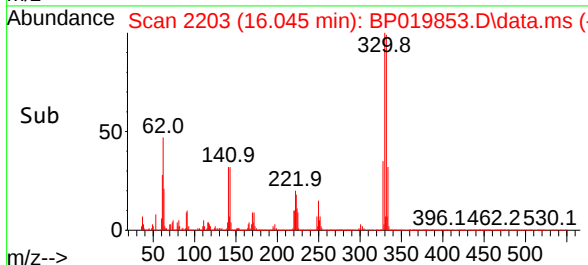
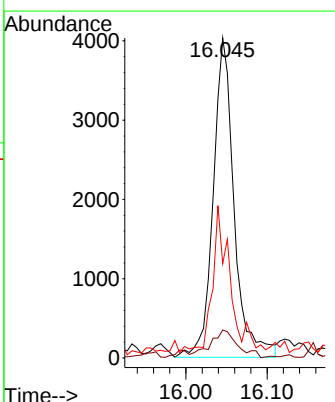
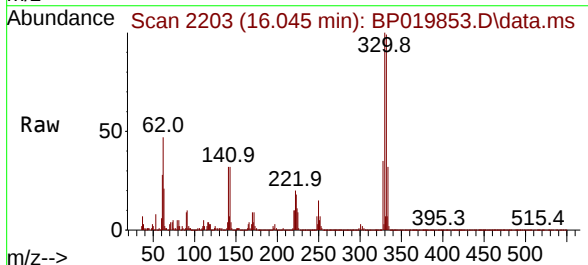
Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

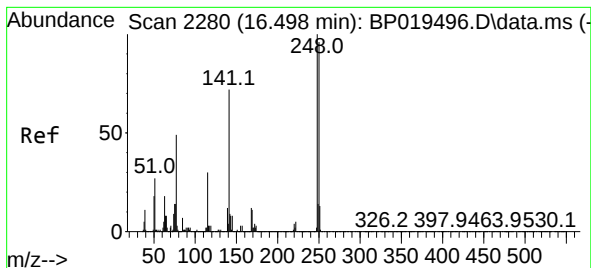
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 198   | Resp: | 66    |
| Ion      | Ratio | Lower | Upper |
| 198      | 100   |       |       |
| 51       | 154.9 | 21.2  | 61.2# |
| 105      | 231.9 | 19.1  | 59.1# |



#66  
 n-Nitrosodiphenylamine  
 Concen: 827.208 ng  
 RT: 16.045 min Scan# 2203  
 Delta R.T. 0.223 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 169   | Resp: | 7234  |
| Ion      | Ratio | Lower | Upper |
| 169      | 100   |       |       |
| 168      | 8.8   | 53.4  | 80.2# |
| 167      | 29.5  | 28.9  | 43.3  |





#67

4-Bromophenyl-phenylether

Concen: 30.956 ng

RT: 16.739 min Scan# 21

Delta R.T. 0.241 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

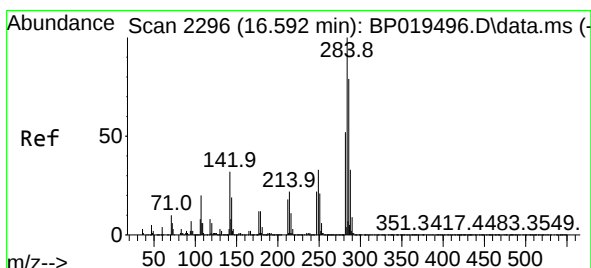
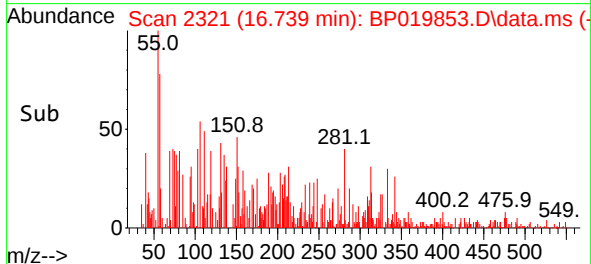
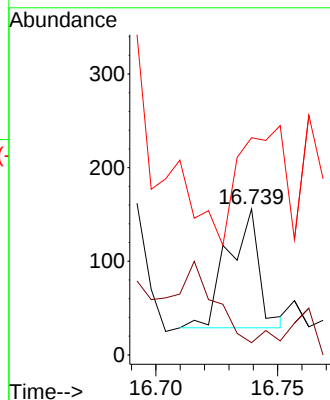
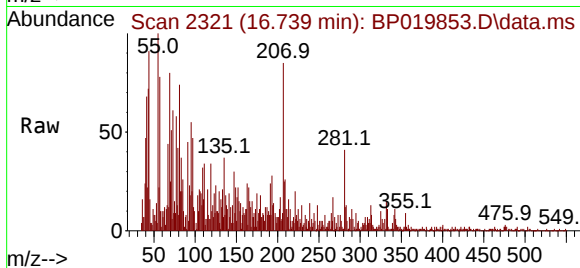
Tgt Ion:248 Resp: 113

Ion Ratio Lower Upper

248 100

250 8.3 76.9 115.3#

141 148.7 58.0 87.0#



#68

Hexachlorobenzene

Concen: 15.483 ng

RT: 16.886 min Scan# 2346

Delta R.T. 0.282 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

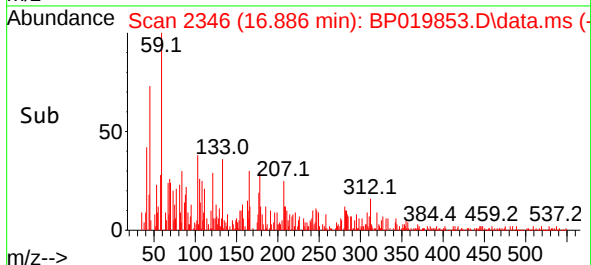
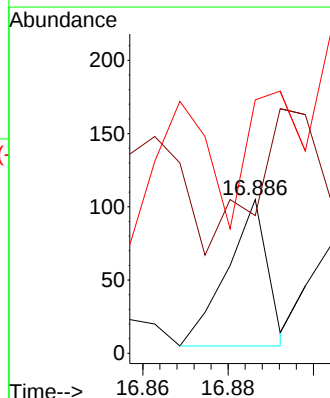
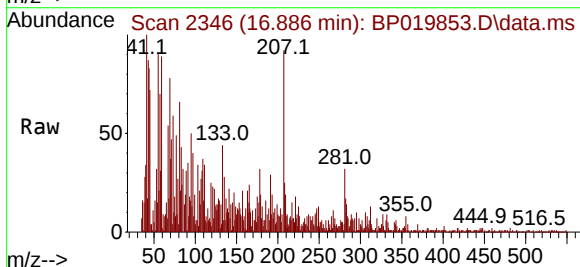
Tgt Ion:284 Resp: 66

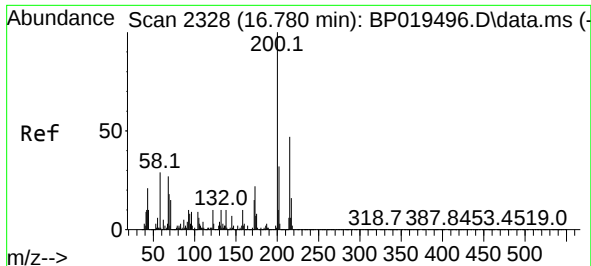
Ion Ratio Lower Upper

284 100

142 89.5 25.4 38.2#

249 164.8 26.5 39.7#

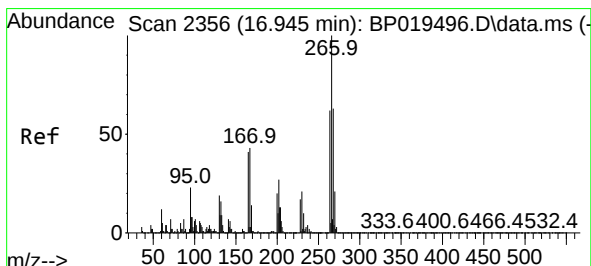
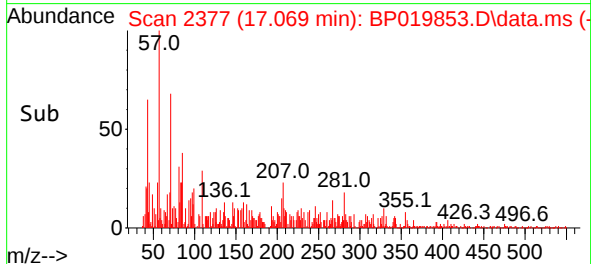
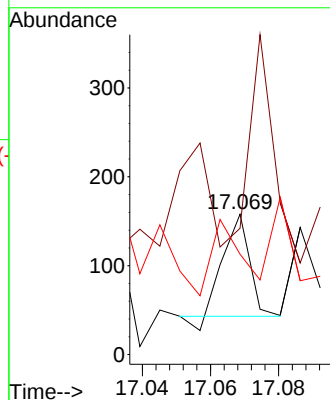
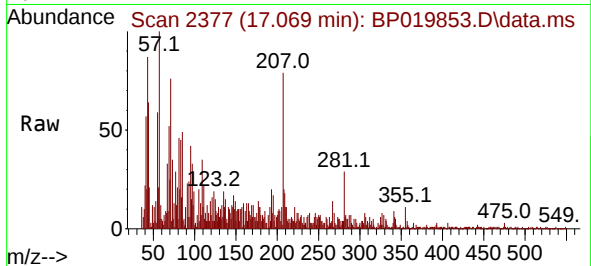




#69  
Atrazine  
Concen: 20.331 ng  
RT: 17.069 min Scan# 21  
Delta R.T. 0.282 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

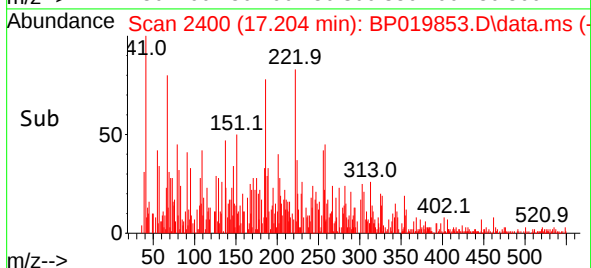
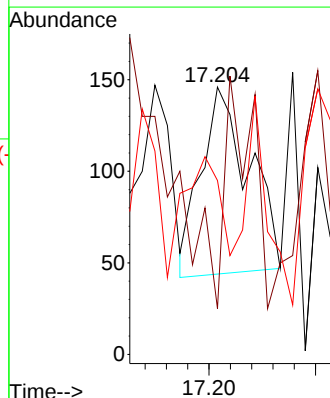
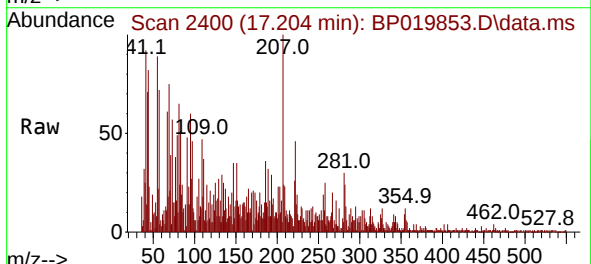
Instrument :  
BNA\_P  
ClientSampleId :  
VNJ-202

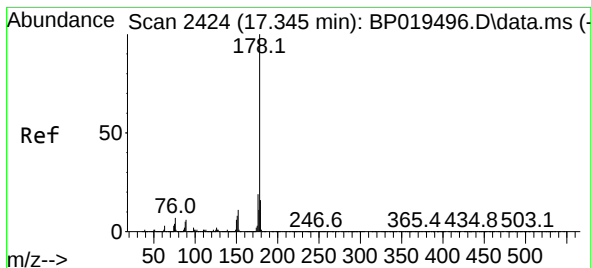
Tgt Ion:200 Resp: 59  
Ion Ratio Lower Upper  
200 100  
173 89.9 1.7 41.7#  
215 71.5 26.9 66.9#



#70  
Pentachlorophenol  
Concen: 59.895 ng  
RT: 17.204 min Scan# 2400  
Delta R.T. 0.247 min  
Lab File: BP019853.D  
Acq: 23 Feb 2024 20:36

Tgt Ion:266 Resp: 159  
Ion Ratio Lower Upper  
266 100  
268 17.1 50.3 75.5#  
264 65.1 49.7 74.5





#71

Phenanthrene

Concen: 26.160 ng

RT: 17.616 min Scan# 2424

Delta R.T. 0.259 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

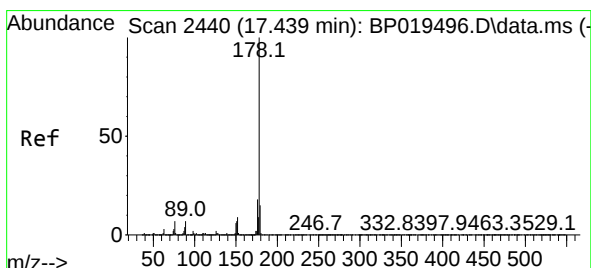
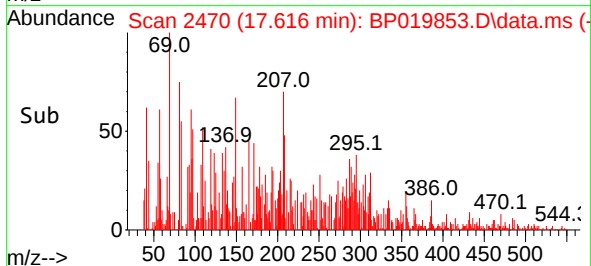
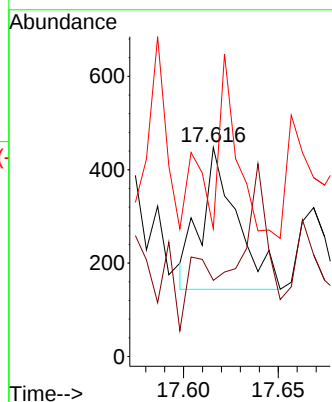
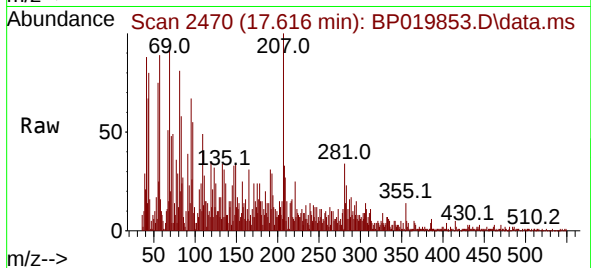
Tgt Ion:178 Resp: 402

Ion Ratio Lower Upper

178 100

176 36.4 15.5 23.3#

179 61.2 12.6 19.0#



#72

Anthracene

Concen: 42.076 ng

RT: 17.716 min Scan# 2487

Delta R.T. 0.264 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

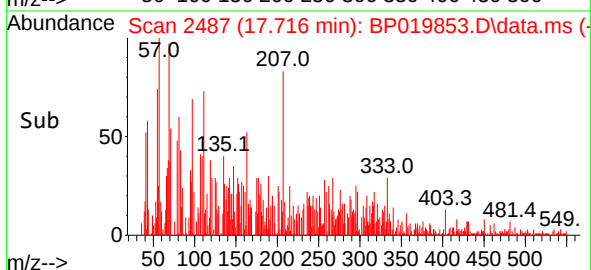
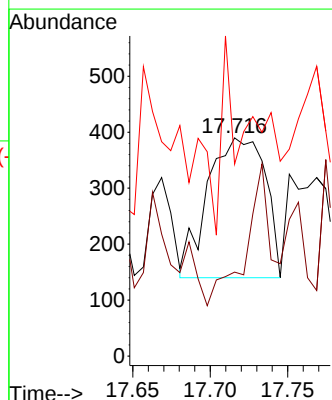
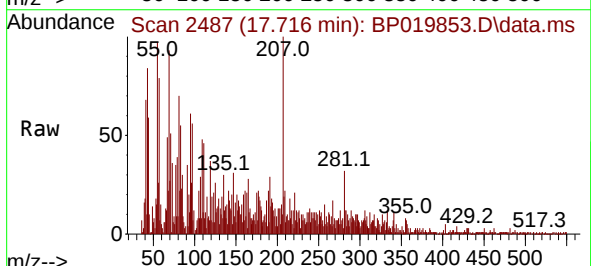
Tgt Ion:178 Resp: 645

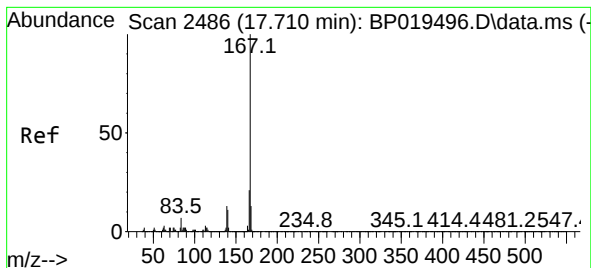
Ion Ratio Lower Upper

178 100

176 38.5 14.7 22.1#

179 87.9 12.2 18.2#





#73

Carbazole

Concen: 29.369 ng

RT: 18.016 min Scan# 21

Delta R.T. 0.288 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

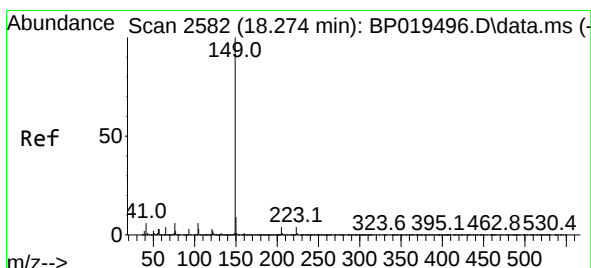
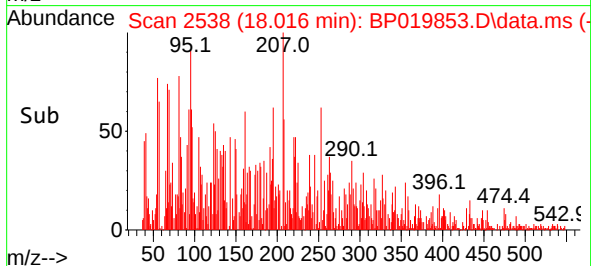
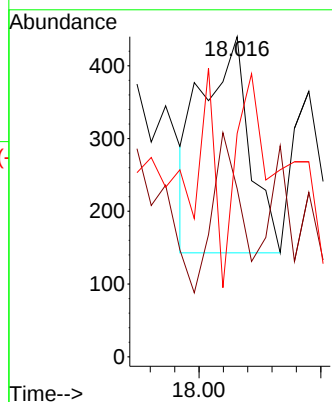
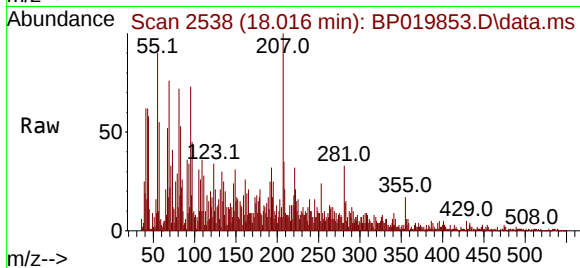
Tgt Ion:167 Resp: 409

Ion Ratio Lower Upper

167 100

166 52.5 17.2 25.8#

139 69.8 10.6 15.8#



#74

Di-n-butylphthalate

Concen: 8.255 ng

RT: 18.574 min Scan# 2633

Delta R.T. 0.294 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

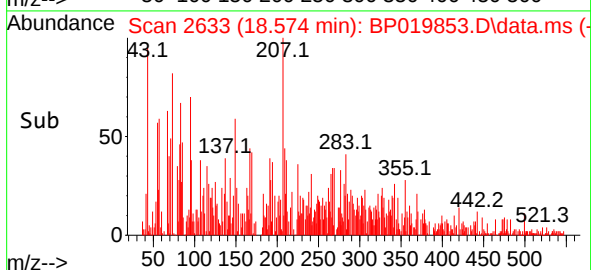
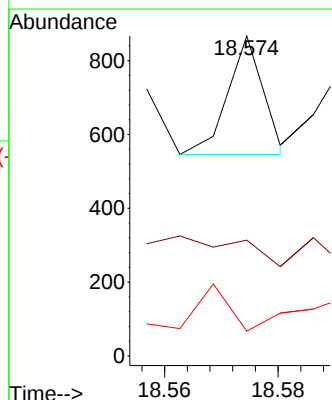
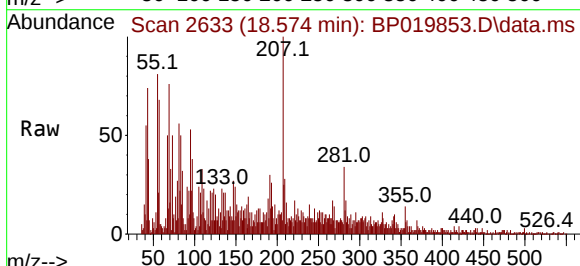
Tgt Ion:149 Resp: 139

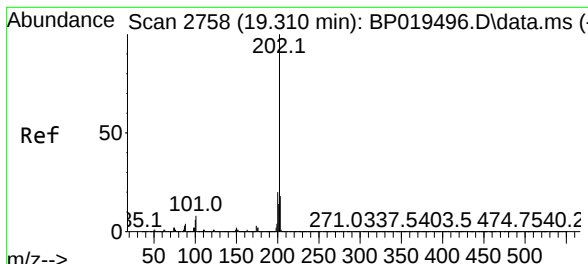
Ion Ratio Lower Upper

149 100

150 36.2 7.3 10.9#

104 7.7 4.8 7.2#

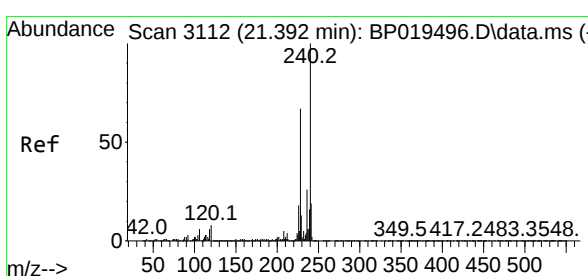
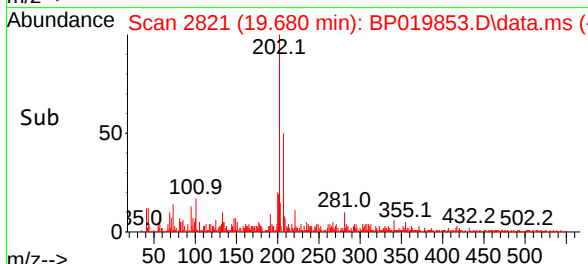
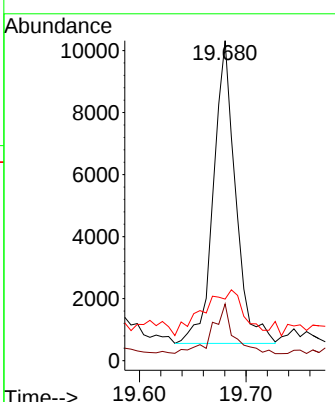
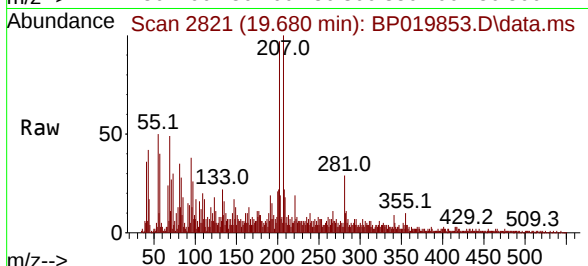




#75  
 Fluoranthene  
 Concen: 749.293 ng  
 RT: 19.680 min Scan# 21  
 Delta R.T. 0.347 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

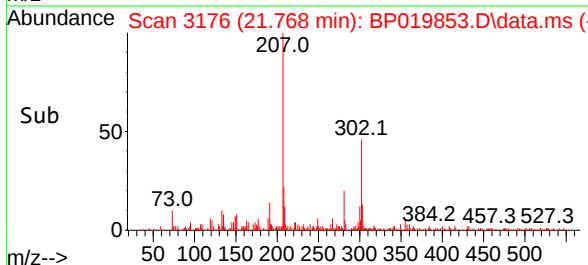
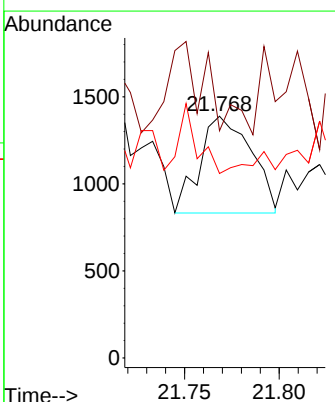
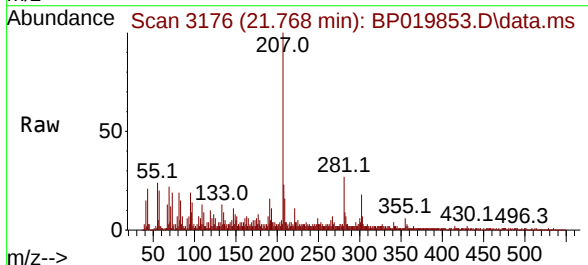
Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

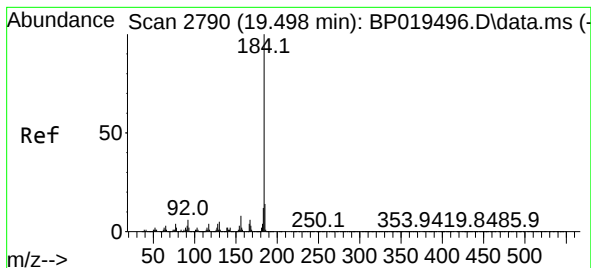
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 14066 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 17.8  | 0.0   | 27.7  |
| 203       | 19.3  | 0.0   | 37.5  |



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.768 min Scan# 3176  
 Delta R.T. 0.341 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 240   | Resp: | 1048  |
| Ion Ratio | Lower | Upper |       |
| 240       | 100   |       |       |
| 120       | 94.0  | 6.1   | 9.1#  |
| 236       | 76.3  | 20.7  | 31.1# |





#77

Benzidine

Concen: 1158.821 ng

RT: 19.880 min Scan# 21

Delta R.T. 0.359 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

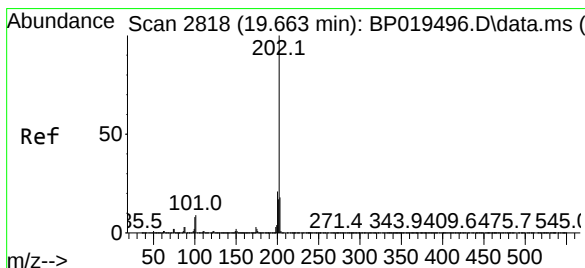
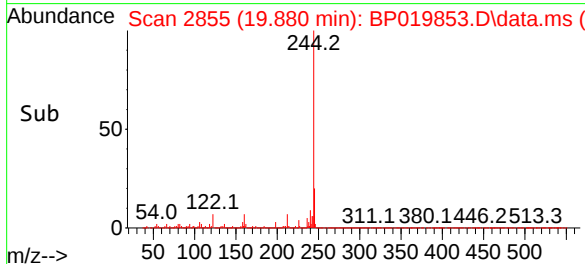
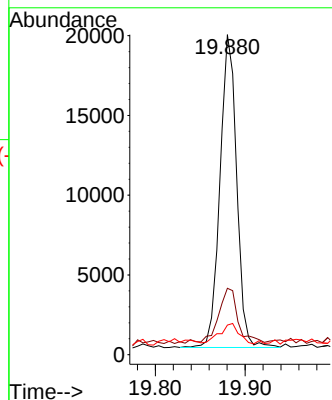
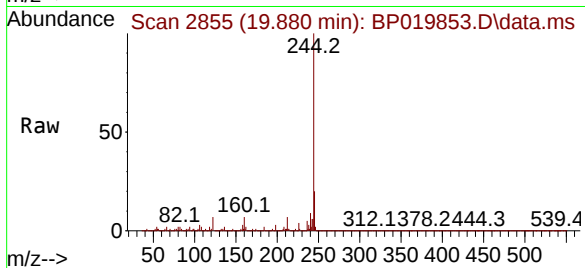
Tgt Ion:184 Resp: 25390

Ion Ratio Lower Upper

184 100

185 20.8 11.1 16.7#

183 9.3 9.7 14.5#



#78

Pyrene

Concen: 10.532 ng

RT: 19.974 min Scan# 2871

Delta R.T. 0.288 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

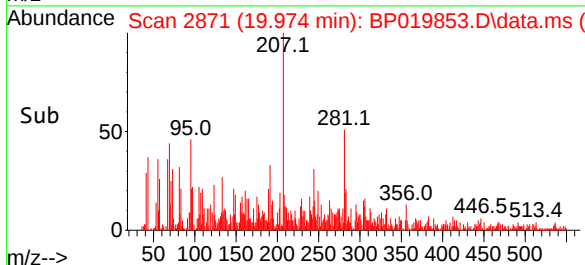
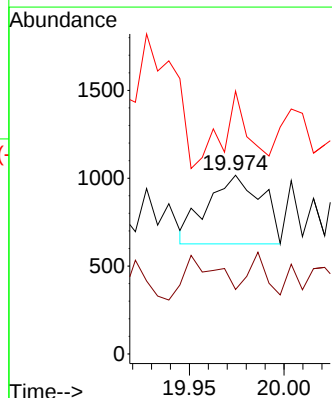
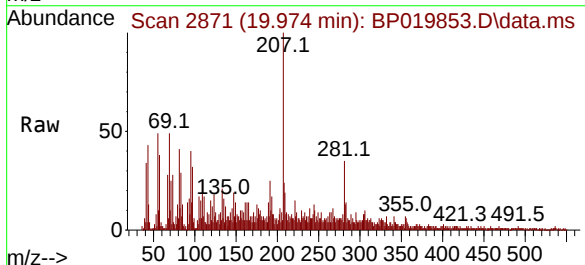
Tgt Ion:202 Resp: 779

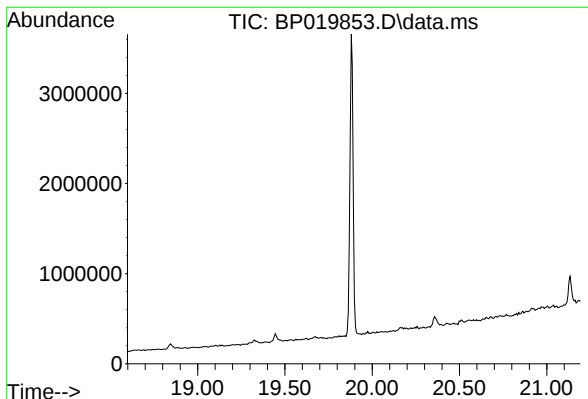
Ion Ratio Lower Upper

202 100

200 36.1 16.9 25.3#

203 147.1 14.2 21.2#



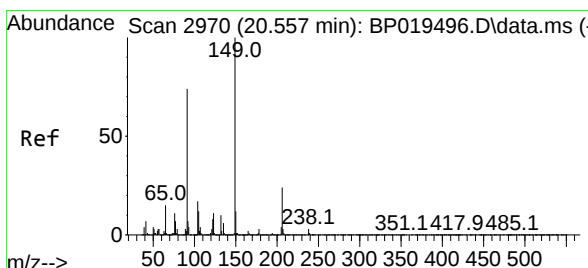
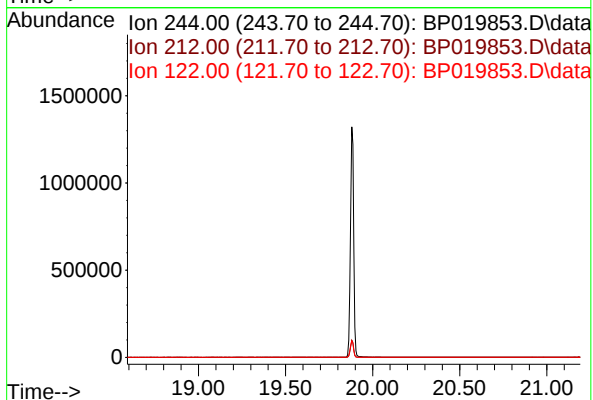


#79  
 Terphenyl-d14  
 Concen: 0.000 ng  
 Expected RT: 19.89 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

Instrument :  
 BNA\_P  
 ClientSampleId :  
 VNJ-202

Tgt Ion: 244  

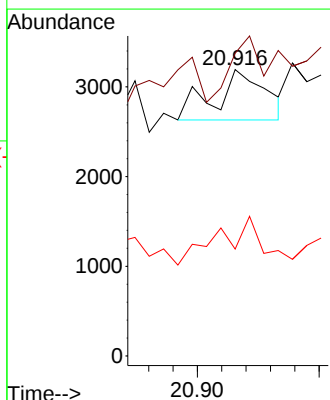
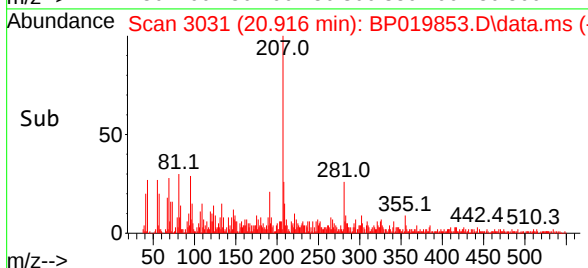
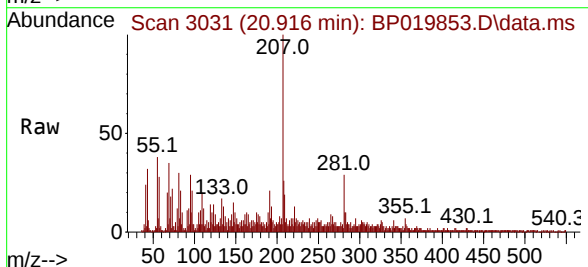
| Sig | Exp Ratio |
|-----|-----------|
| 244 | 100       |
| 212 | 7.6       |
| 122 | 7.4       |

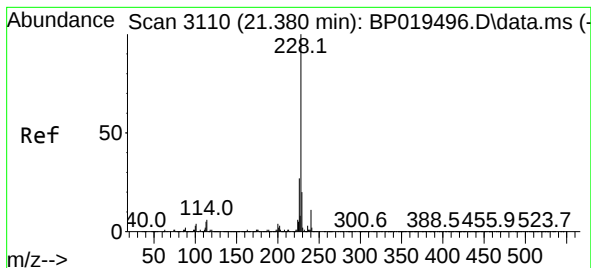


#80  
 Butylbenzylphthalate  
 Concen: 29.072 ng  
 RT: 20.916 min Scan# 3031  
 Delta R.T. 0.341 min  
 Lab File: BP019853.D  
 Acq: 23 Feb 2024 20:36

Tgt Ion: 149 Resp: 803  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 105.7 | 59.4  | 89.0# |
| 206 | 37.3  | 19.0  | 28.6# |





#81

Benzo(a)anthracene

Concen: 7.333 ng

RT: 21.757 min Scan# 3110

Delta R.T. 0.347 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

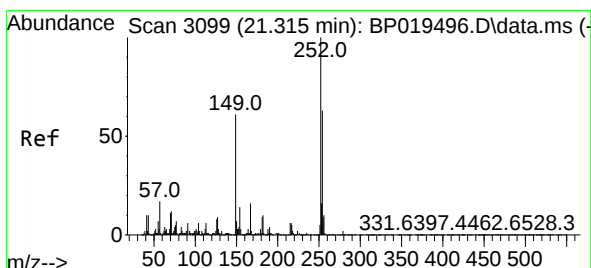
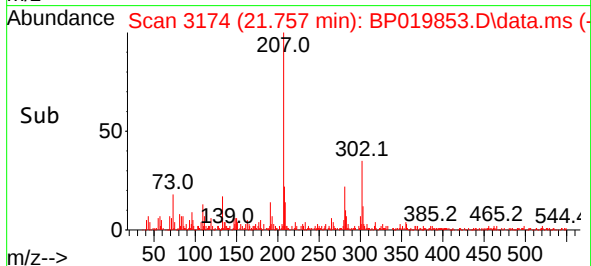
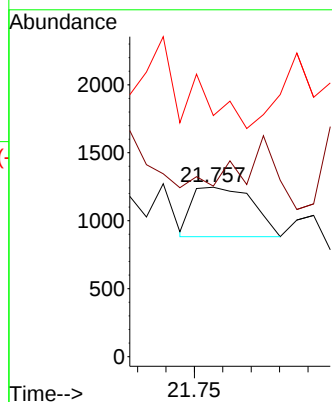
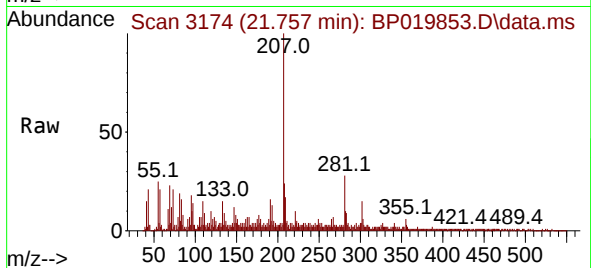
Tgt Ion:228 Resp: 541

Ion Ratio Lower Upper

228 100

226 100.7 21.7 32.5#

229 142.4 15.6 23.4#



#82

3,3'-Dichlorobenzidine

Concen: 8.295 ng

RT: 21.715 min Scan# 3167

Delta R.T. 0.370 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

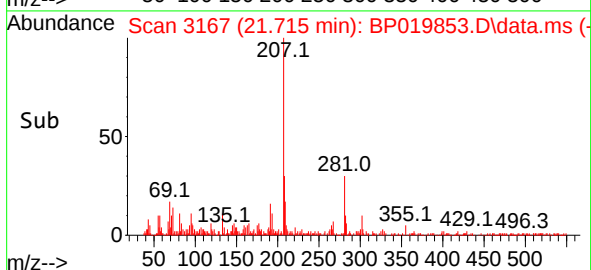
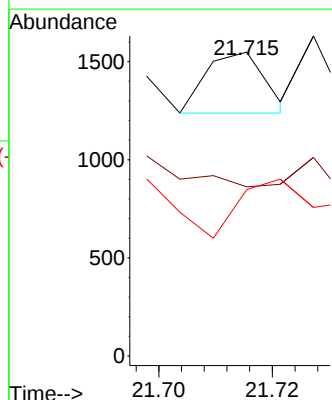
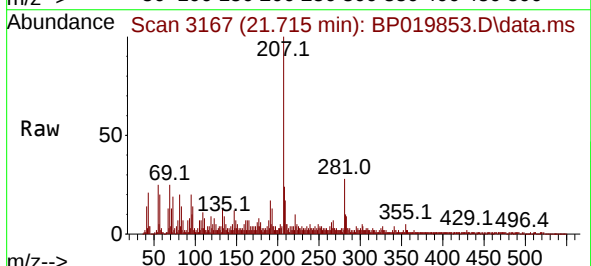
Tgt Ion:252 Resp: 223

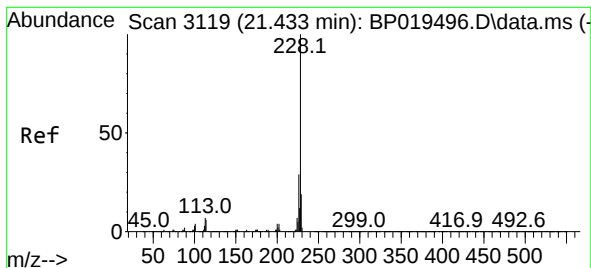
Ion Ratio Lower Upper

252 100

254 55.6 50.7 76.1

126 54.7 6.4 9.6#





#83

Chrysene

Concen: 4.469 ng

RT: 21.804 min Scan# 3119

Delta R.T. 0.335 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

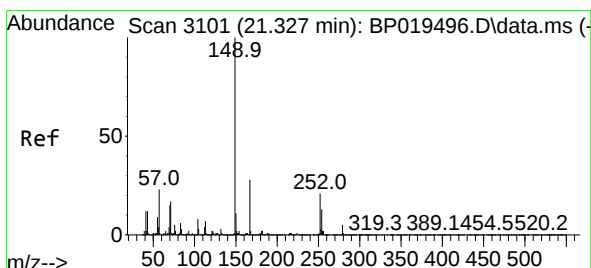
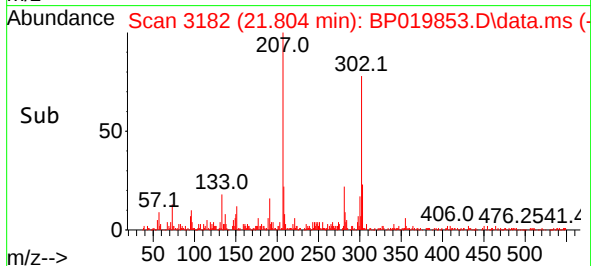
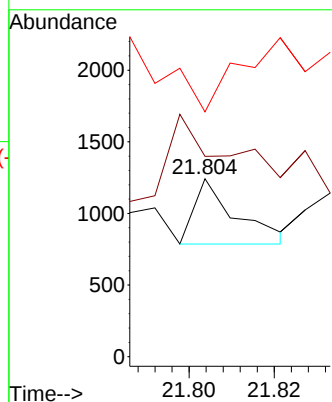
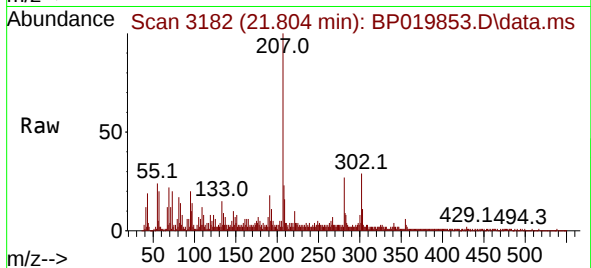
Tgt Ion:228 Resp: 313

Ion Ratio Lower Upper

228 100

226 112.6 23.4 35.2#

229 137.6 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 26.414 ng

RT: 21.663 min Scan# 3158

Delta R.T. 0.317 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

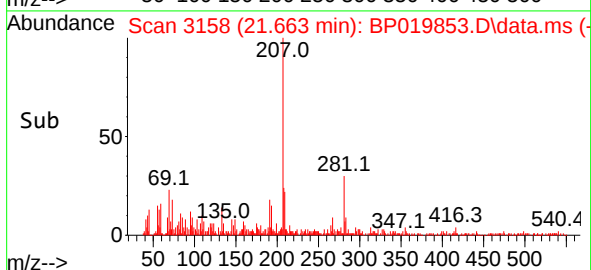
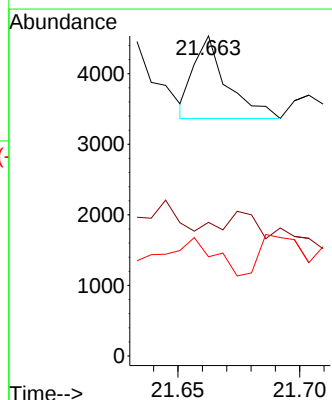
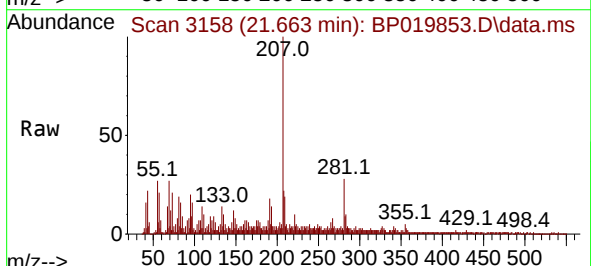
Tgt Ion:149 Resp: 1111

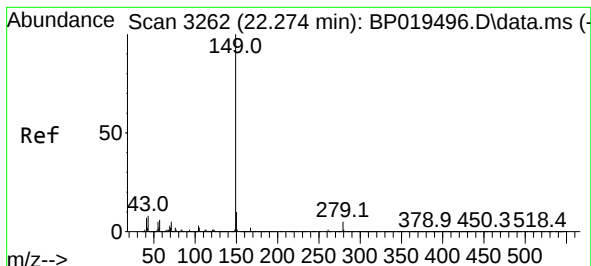
Ion Ratio Lower Upper

149 100

167 41.7 22.7 34.1#

279 31.0 4.2 6.2#





#85

Di-n-octyl phthalate

Concen: 15.067 ng

RT: 22.668 min Scan# 31

Delta R.T. 0.376 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

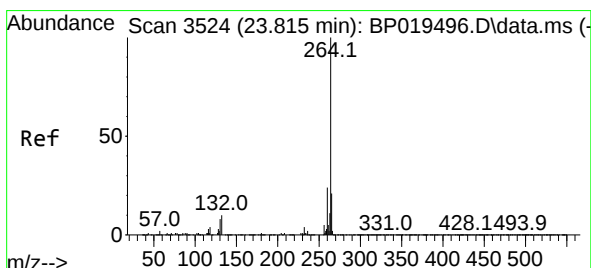
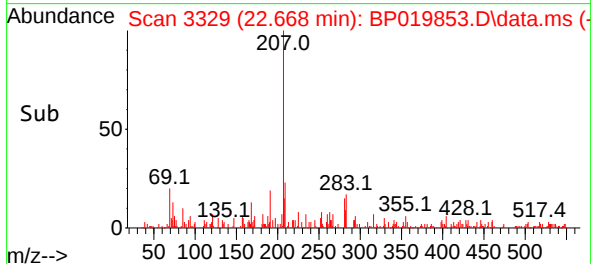
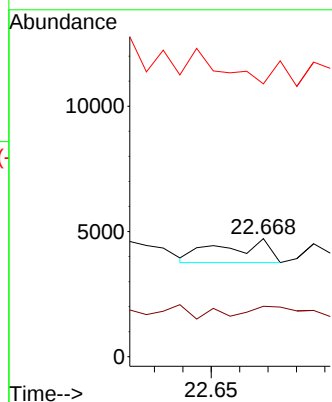
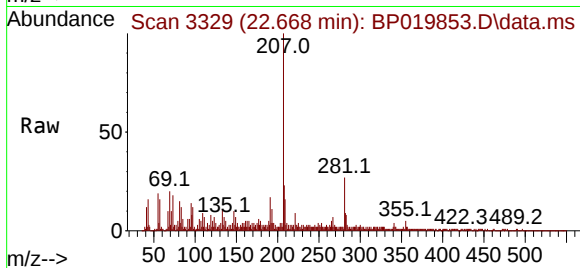
Tgt Ion:149 Resp: 1115

Ion Ratio Lower Upper

149 100

167 44.4 1.3 1.9#

43 49.1 6.3 9.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.227 min Scan# 3594

Delta R.T. 0.359 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

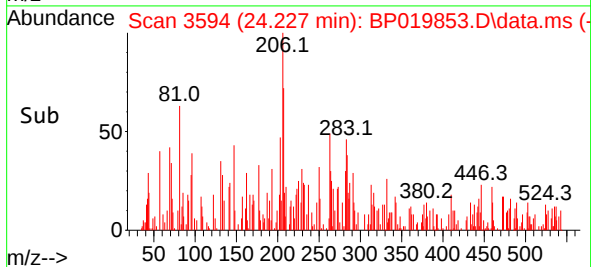
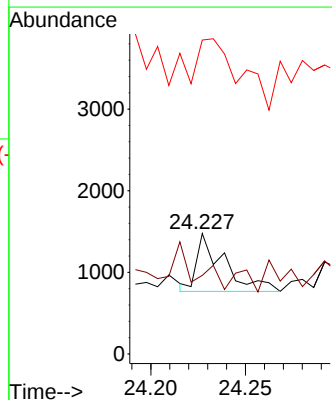
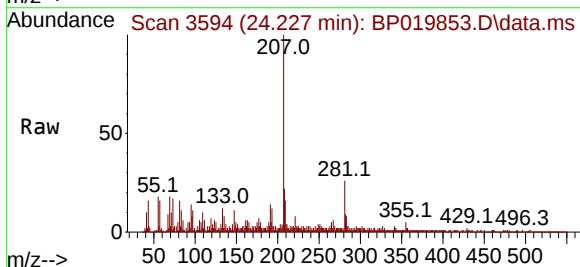
Tgt Ion:264 Resp: 712

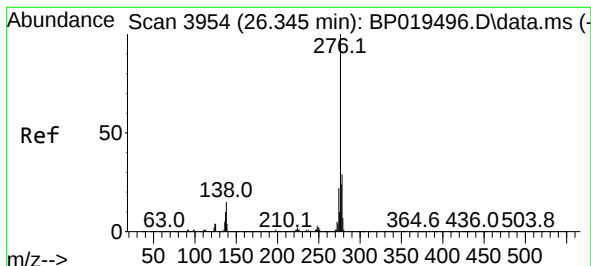
Ion Ratio Lower Upper

264 100

260 65.1 19.2 28.8#

265 260.4 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.798 ng

RT: 26.815 min Scan# 4034

Delta R.T. 0.382 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

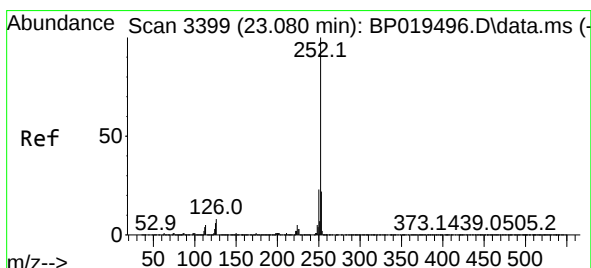
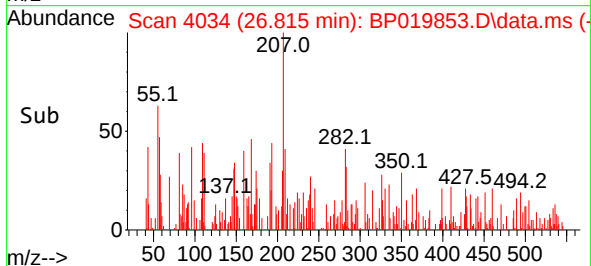
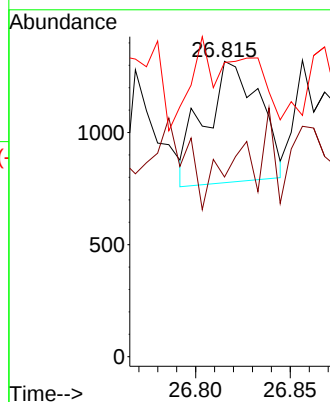
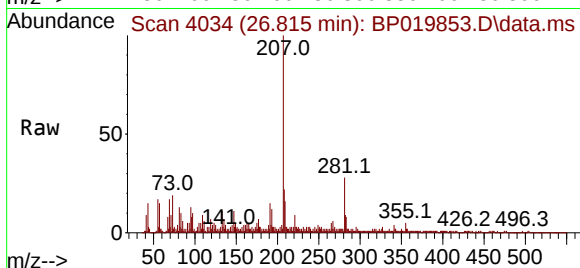
Tgt Ion:276 Resp: 1079

Ion Ratio Lower Upper

276 100

138 38.6 13.1 19.7#

277 0.0 20.3 30.5#



#88

Benzo(b)fluoranthene

Concen: 9.382 ng

RT: 23.468 min Scan# 3465

Delta R.T. 0.341 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

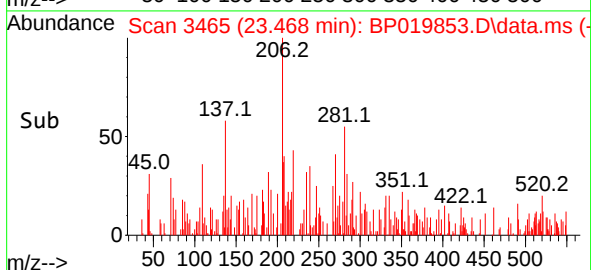
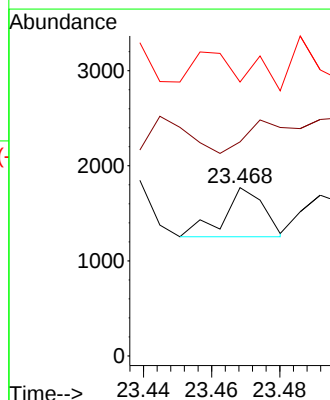
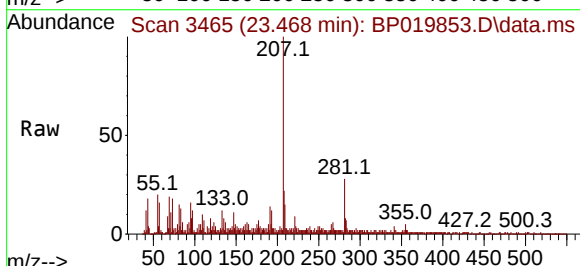
Tgt Ion:252 Resp: 421

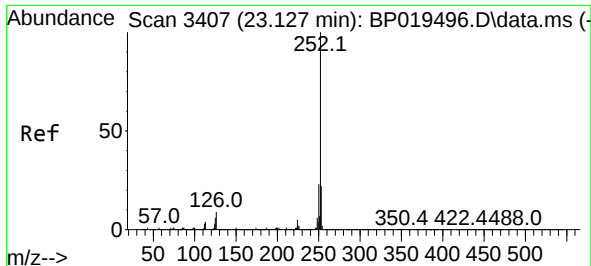
Ion Ratio Lower Upper

252 100

253 127.2 17.3 25.9#

125 162.7 4.9 7.3#





#89

Benzo(k)fluoranthene

Concen: 17.963 ng

RT: 23.504 min Scan# 34

Delta R.T. 0.329 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNA\_P

ClientSampleId :

VNJ-202

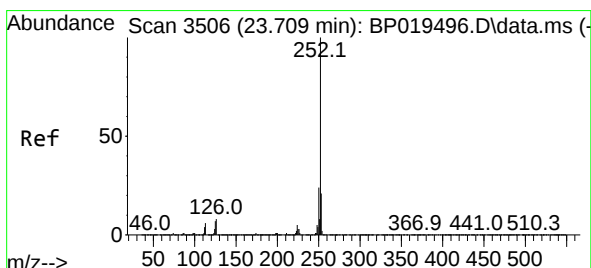
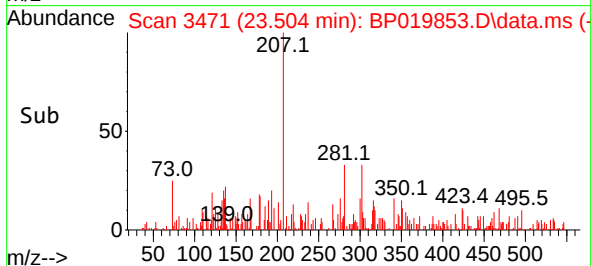
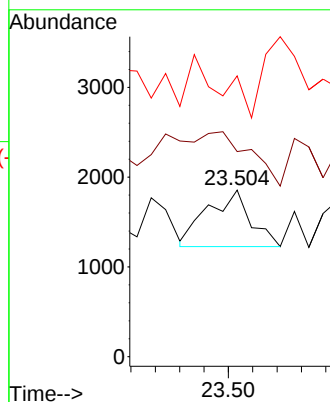
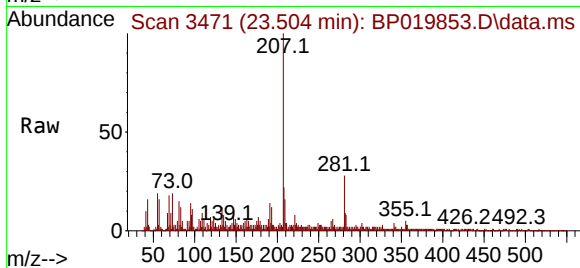
Tgt Ion:252 Resp: 770

Ion Ratio Lower Upper

252 100

253 123.2 17.1 25.7#

125 168.6 5.0 7.6#



#90

Benzo(a)pyrene

Concen: 6.687 ng

RT: 24.121 min Scan# 3576

Delta R.T. 0.359 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

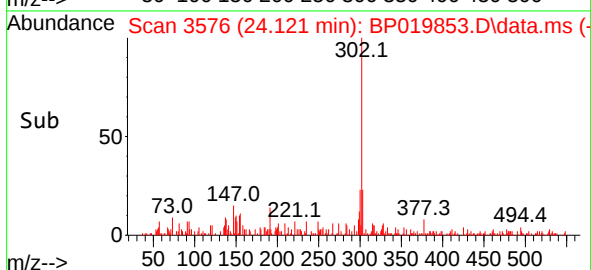
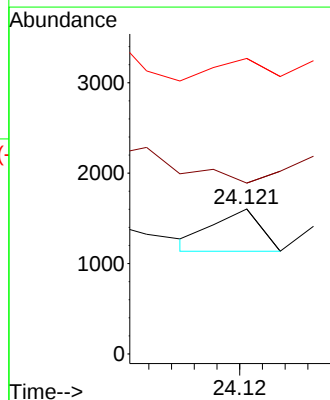
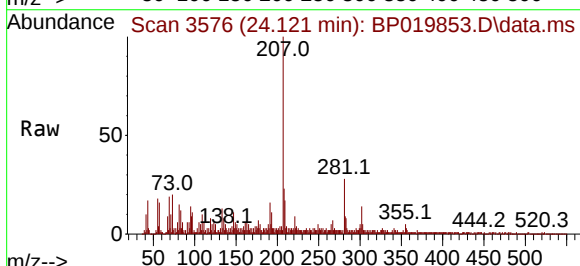
Tgt Ion:252 Resp: 267

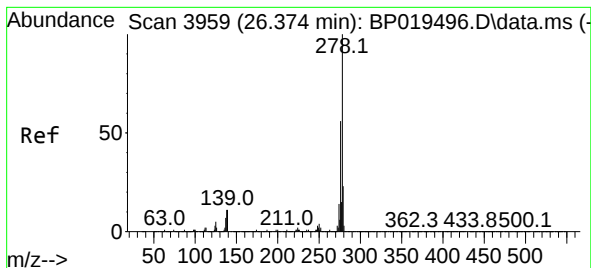
Ion Ratio Lower Upper

252 100

253 117.9 17.1 25.7#

125 204.0 5.6 8.4#





#91

Dibenzo(a,h)anthracene

Concen: 6.960 ng

RT: 26.856 min Scan# 4167

Delta R.T. 0.400 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Instrument :

BNP\_P

ClientSampleId :

VNJ-202

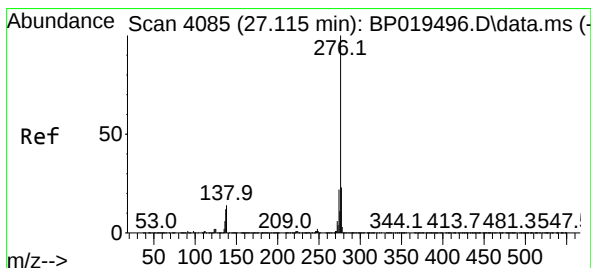
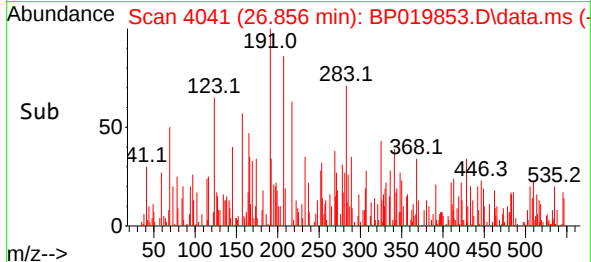
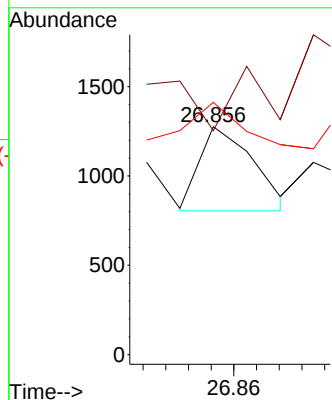
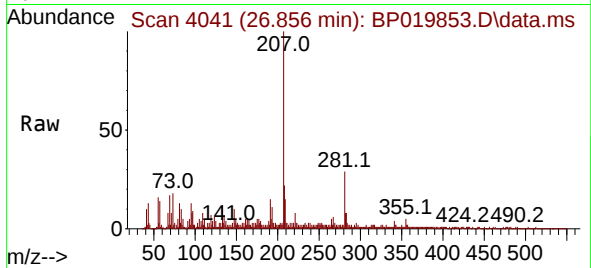
Tgt Ion:278 Resp: 312

Ion Ratio Lower Upper

278 100

139 98.3 8.6 12.8#

279 110.7 18.5 27.7#



#92

Benzo(g,h,i)perylene

Concen: 47.960 ng

RT: 27.598 min Scan# 4167

Delta R.T. 0.382 min

Lab File: BP019853.D

Acq: 23 Feb 2024 20:36

Tgt Ion:276 Resp: 2181

Ion Ratio Lower Upper

276 100

277 74.9 18.6 28.0#

138 47.4 10.9 16.3#

