

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031422\  
 Data File : BP009394.D  
 Acq On : 14 Mar 2022 21:55  
 Operator : CG/JU  
 Sample : N1905-17 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-14A-1A-4

Quant Time: Mar 15 01:01:57 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 01:55:59 2022  
 Response via : Initial Calibration

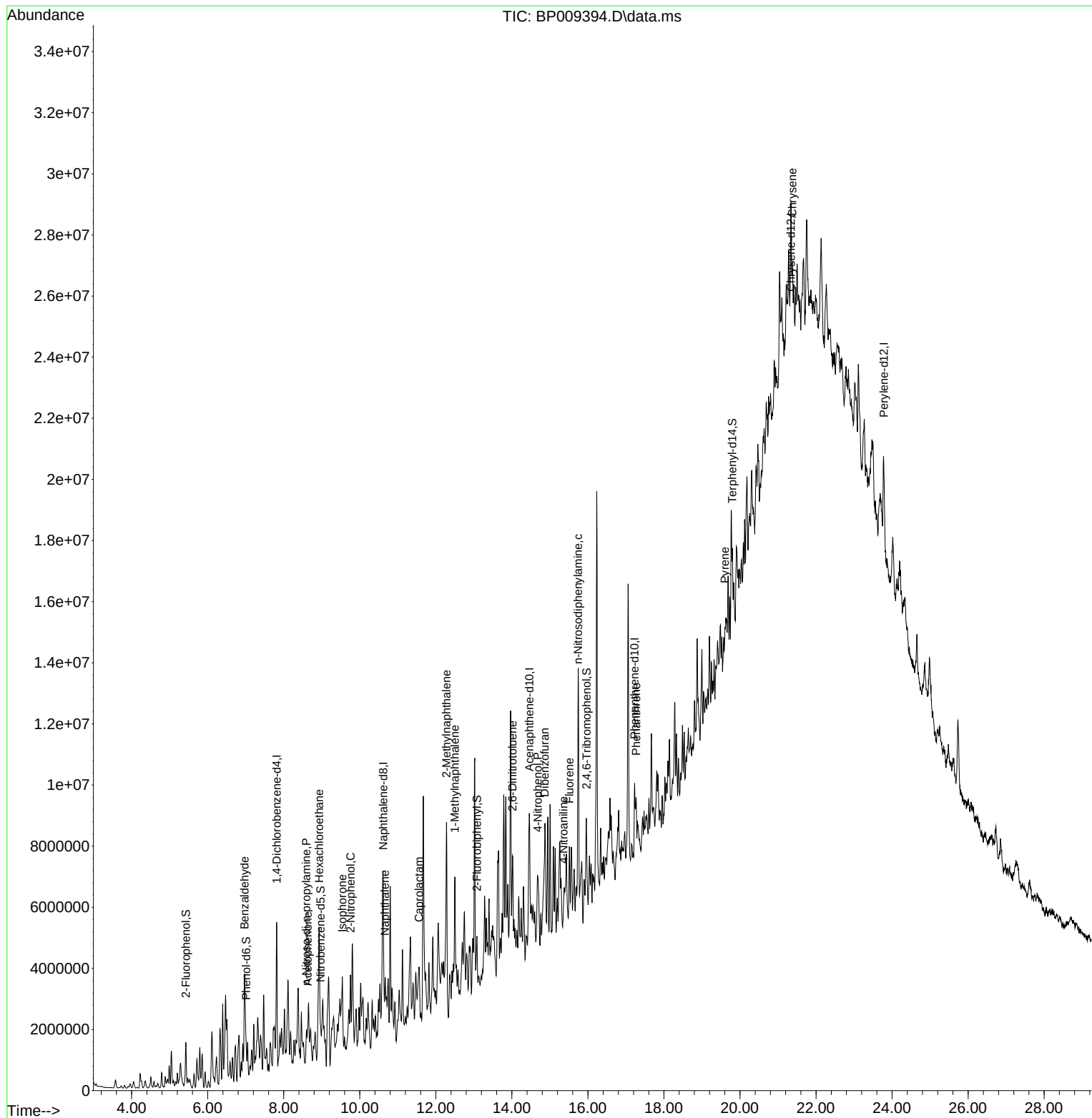
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.816  | 152  | 458172   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.616 | 136  | 1661341  | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.463 | 164  | 941131   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.228 | 188  | 1608674  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.339 | 240  | 1661950  | 20.000 | ng    | # 0.01   |
| 86) Perylene-d12              | 23.780 | 264  | 1930035  | 20.000 | ng    | 0.05     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 404211   | 12.878 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.011  | 99   | 501727   | 12.578 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 365364   | 12.113 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 206950   | 18.211 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.081 | 172  | 761784   | 11.131 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.798 | 244  | 938401   | 10.655 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 6.969  | 77   | 63113    | 2.483  | ng    | # 1      |
| 18) Hexachloroethane          | 8.928  | 117  | 270568   | 20.227 | ng    | # 1      |
| 19) n-Nitroso-di-n-propyla... | 8.593  | 70   | 105948   | 4.404  | ng    | # 84     |
| 22) Acetophenone              | 8.628  | 105  | 378104   | 8.514  | ng    | # 59     |
| 25) Isophorone                | 9.540  | 82   | 275061   | 4.875  | ng    | # 1      |
| 26) 2-Nitrophenol             | 9.757  | 139  | 31389    | 2.535  | ng    | # 1      |
| 31) Naphthalene               | 10.663 | 128  | 691544   | 7.517  | ng    | # 92     |
| 35) Caprolactam               | 11.557 | 113  | 38086    | 4.926  | ng    | # 1      |
| 37) 2-Methylnaphthalene       | 12.281 | 142  | 2036762  | 31.159 | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.499 | 142  | 1717539  | 28.530 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.016 | 165  | 29459    | 2.149  | ng    | # 40     |
| 55) Dibenzofuran              | 14.863 | 168  | 226271   | 2.592  | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.681 | 139  | 119194   | 9.843  | ng    | # 18     |
| 58) Fluorene                  | 15.516 | 166  | 292087   | 4.272  | ng    | # 81     |
| 62) 4-Nitroaniline            | 15.357 | 138  | 30057    | 2.129  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.740 | 169  | 565552   | 11.200 | ng    | # 45     |
| 71) Phenanthrene              | 17.269 | 178  | 894398   | 9.674  | ng    | # 89     |
| 78) Pyrene                    | 19.604 | 202  | 391417   | 3.488  | ng    | # 79     |
| 83) Chrysene                  | 21.375 | 228  | 508980   | 4.654  | ng    | # 45     |
| -----                         |        |      |          |        |       |          |

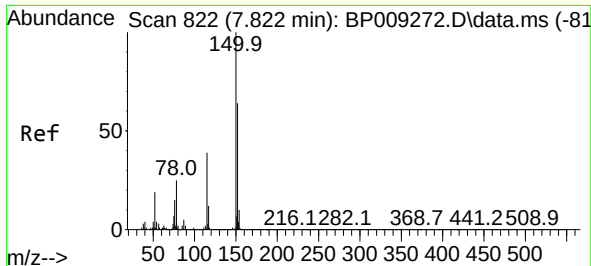
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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WC-14A-1A-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 05 01:55:59 2022  
Response via : Initial Calibration

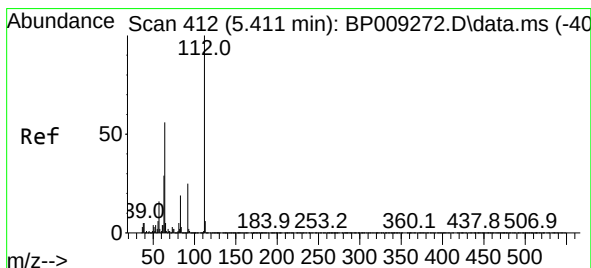
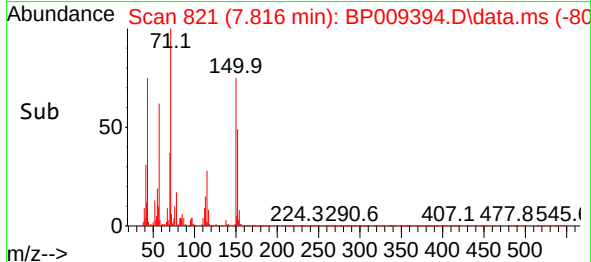
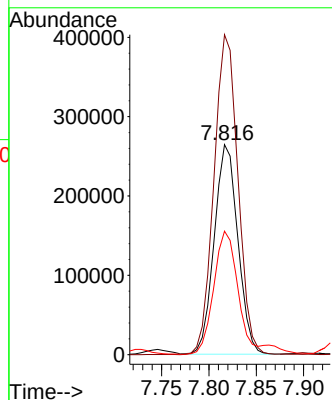
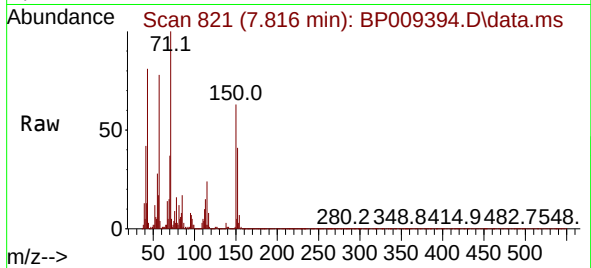




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.816 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

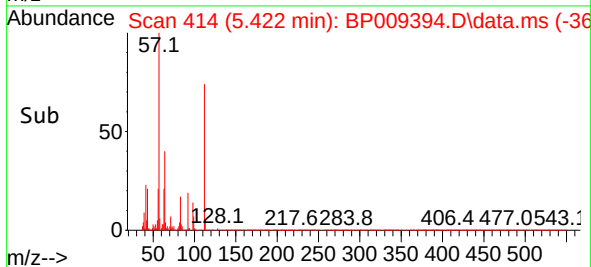
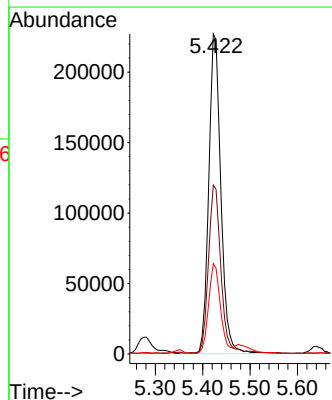
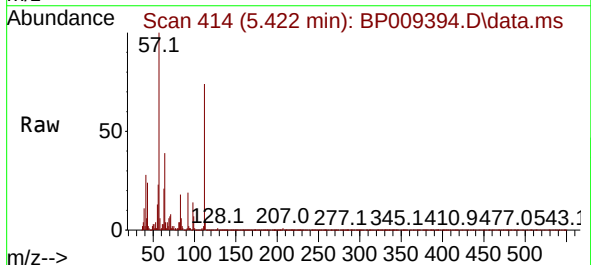
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

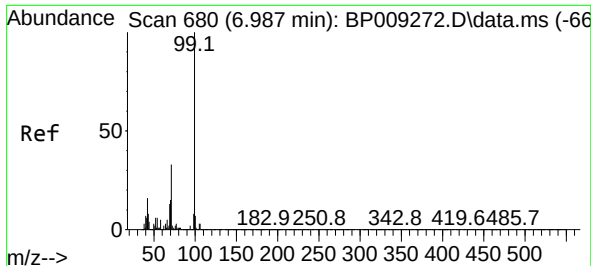
Tgt Ion:152 Resp: 458172  
Ion Ratio Lower Upper  
152 100  
150 152.4 124.5 186.7  
115 58.8 48.2 72.4



#5  
2-Fluorophenol  
Concen: 12.878 ng  
RT: 5.422 min Scan# 414  
Delta R.T. 0.011 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:112 Resp: 404211  
Ion Ratio Lower Upper  
112 100  
64 52.8 45.0 67.4  
63 28.3 23.0 34.6

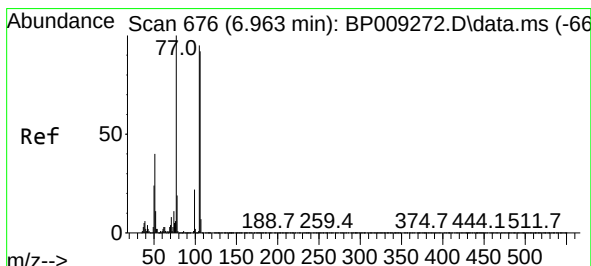
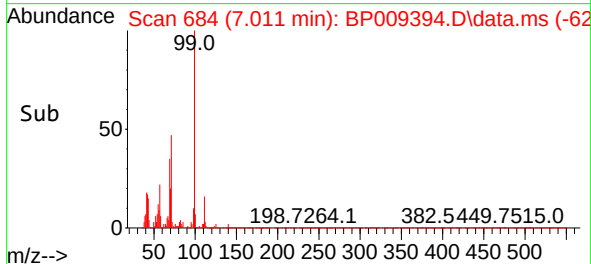
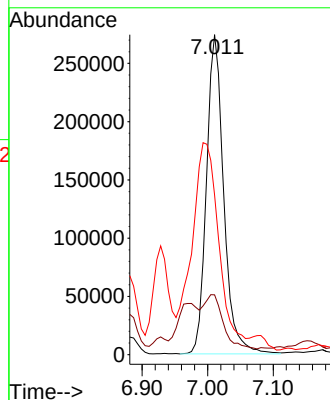
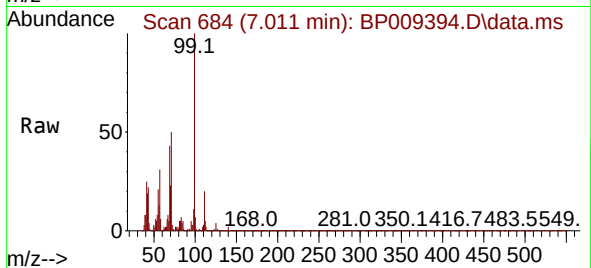




#7  
Phenol-d6  
Concen: 12.578 ng  
RT: 7.011 min Scan# 61  
Delta R.T. 0.024 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

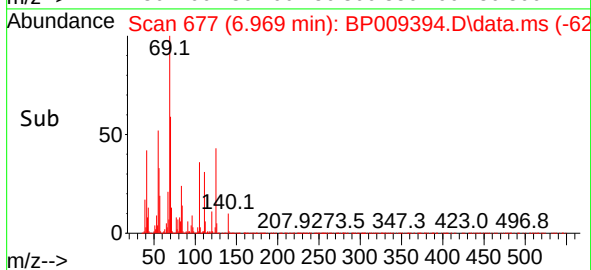
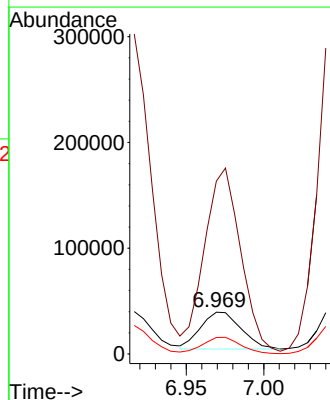
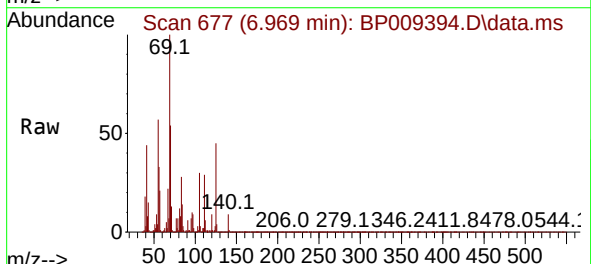
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

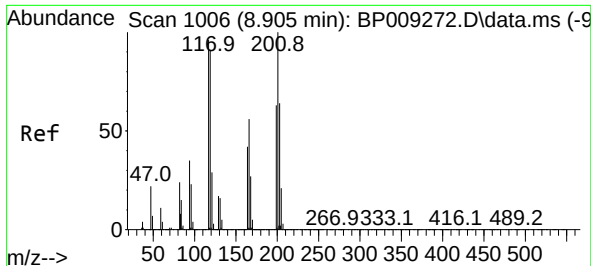
Tgt Ion: 99 Resp: 501727  
Ion Ratio Lower Upper  
99 100  
42 18.7 12.8 19.2  
71 49.9 26.3 39.5#



#9  
Benzaldehyde  
Concen: 2.483 ng  
RT: 6.969 min Scan# 677  
Delta R.T. 0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion: 77 Resp: 63113  
Ion Ratio Lower Upper  
77 100  
105 412.9 75.2 115.2#  
106 39.2 72.3 112.3#

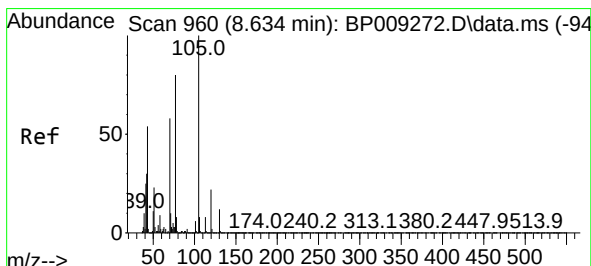
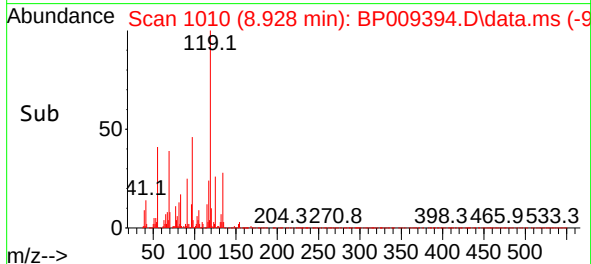
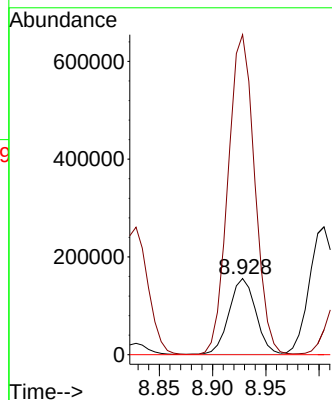
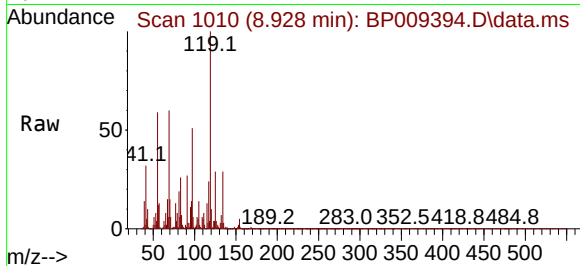




#18  
Hexachloroethane  
Concen: 20.227 ng  
RT: 8.928 min Scan# 10  
Delta R.T. 0.024 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

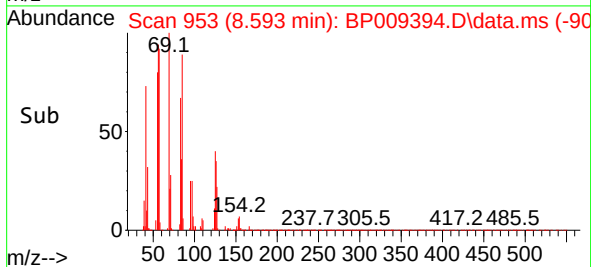
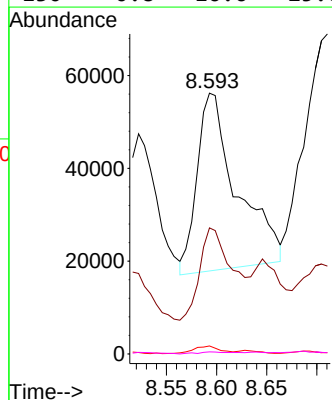
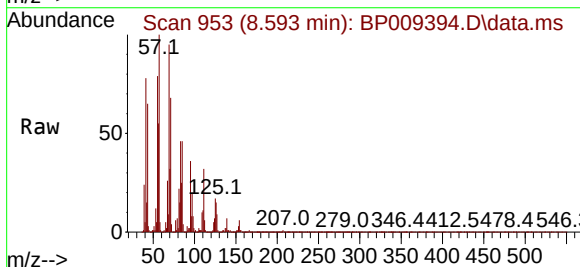
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

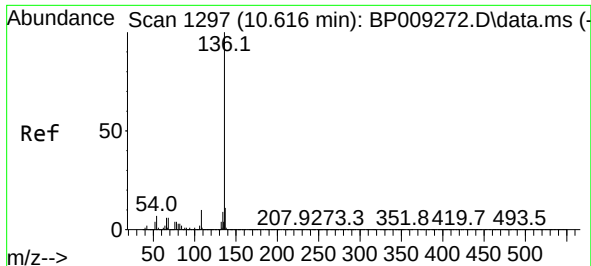
Tgt Ion:117 Resp: 270568  
Ion Ratio Lower Upper  
117 100  
119 420.1 76.4 114.6#  
201 0.0 83.4 125.2#



#19  
n-Nitroso-di-n-propylamine  
Concen: 4.404 ng  
RT: 8.593 min Scan# 953  
Delta R.T. -0.041 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion: 70 Resp: 105948  
Ion Ratio Lower Upper  
70 100  
42 48.3 41.0 61.4  
101 3.0 7.9 11.9#  
130 0.8 16.6 25.0#



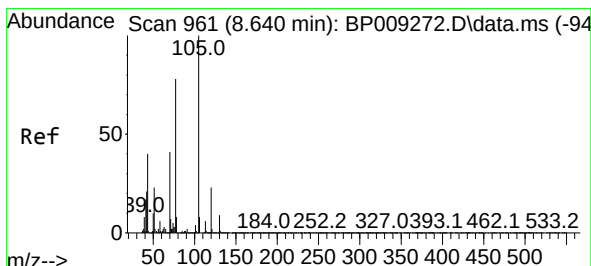
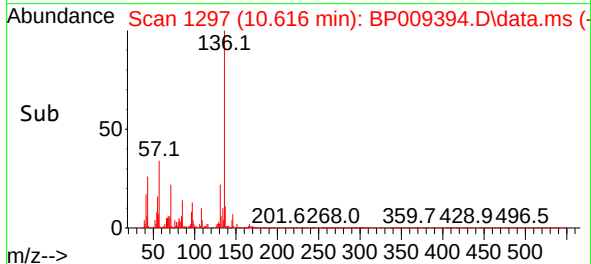
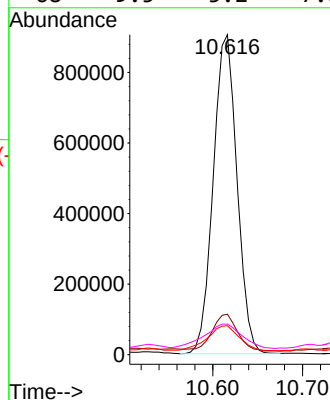
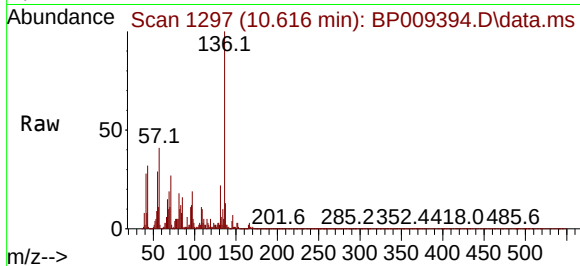


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.616 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

Tgt Ion:136 Resp: 1661341

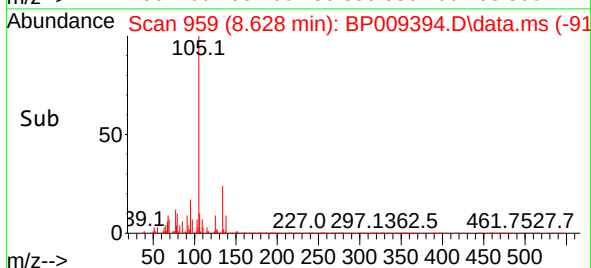
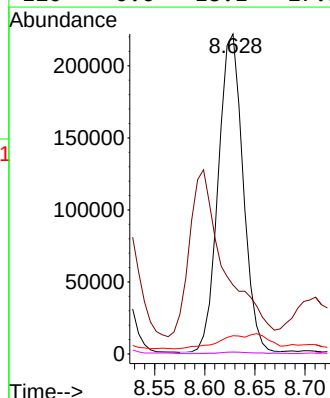
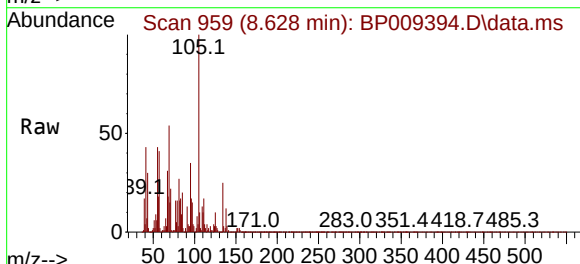
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 12.6  | 8.6   | 12.8  |
| 54  | 9.1   | 5.8   | 8.8#  |
| 68  | 9.5   | 5.2   | 7.8#  |

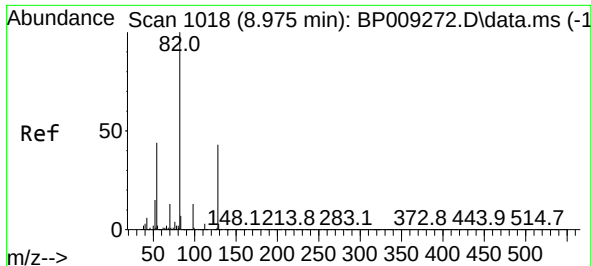


#22  
Acetophenone  
Concen: 8.514 ng  
RT: 8.628 min Scan# 959  
Delta R.T. -0.012 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:105 Resp: 378104

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 21.5  | 5.5   | 8.3#  |
| 51  | 5.7   | 18.9  | 28.3# |
| 120 | 0.6   | 18.1  | 27.1# |

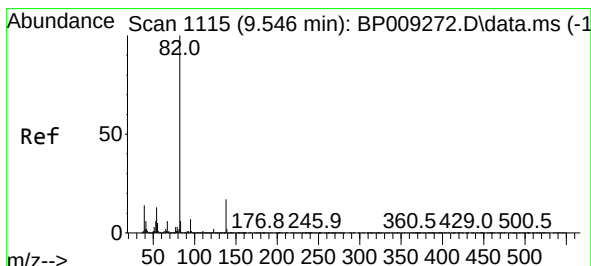
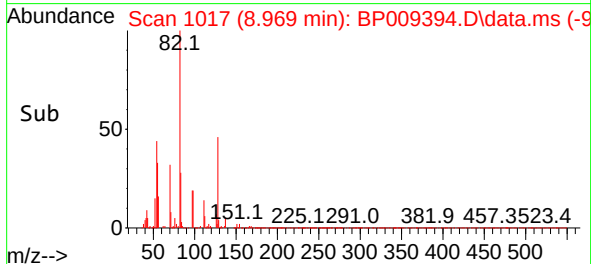
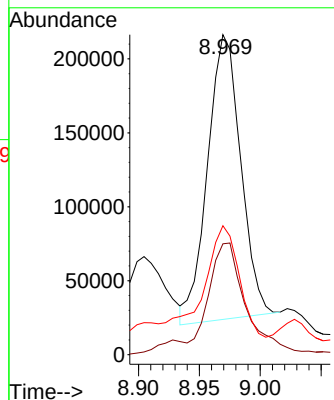
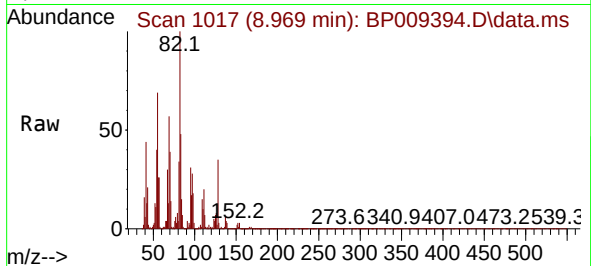




#23  
Nitrobenzene-d5  
Concen: 12.113 ng  
RT: 8.969 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

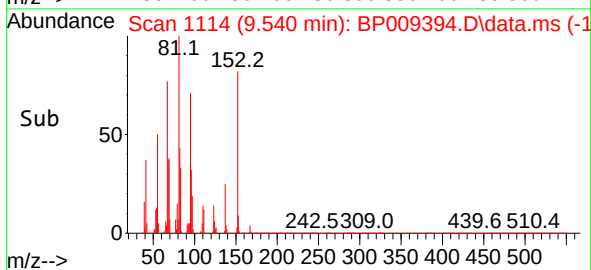
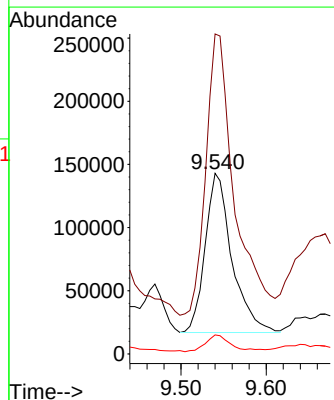
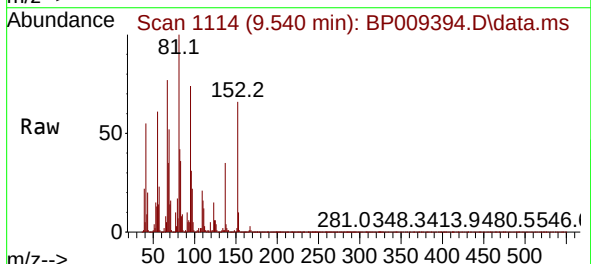
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BNA\_P  
ClientSampleId :  
WC-14A-1A-4

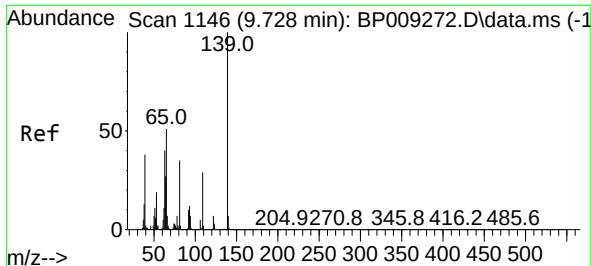
Tgt Ion: 82 Resp: 365364  
Ion Ratio Lower Upper  
82 100  
128 34.6 34.2 51.4  
54 40.3 34.7 52.1



#25  
Isophorone  
Concen: 4.875 ng  
RT: 9.540 min Scan# 1114  
Delta R.T. -0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion: 82 Resp: 275061  
Ion Ratio Lower Upper  
82 100  
95 177.2 5.5 8.3#  
138 10.5 13.8 20.8#

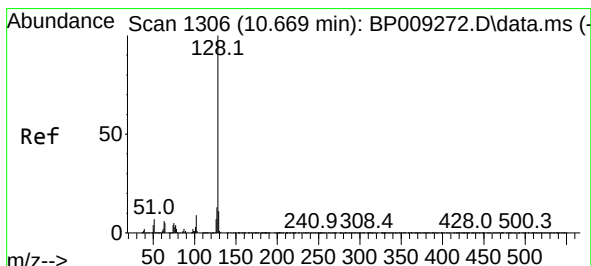
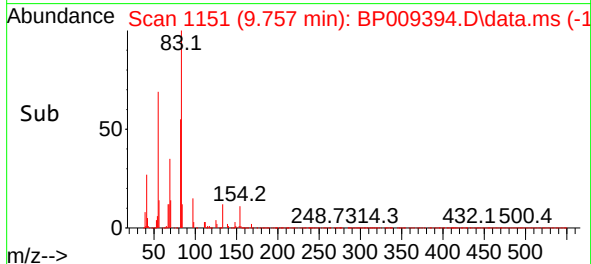
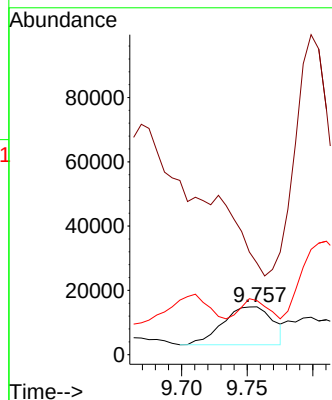
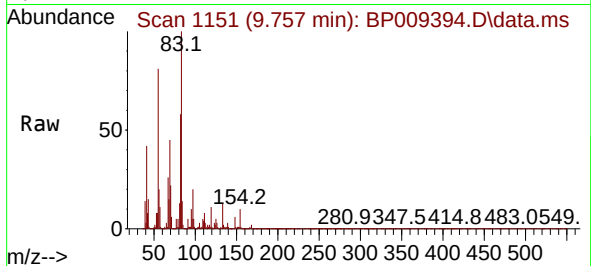




#26  
2-Nitrophenol  
Concen: 2.535 ng  
RT: 9.757 min Scan# 1146  
Delta R.T. 0.029 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

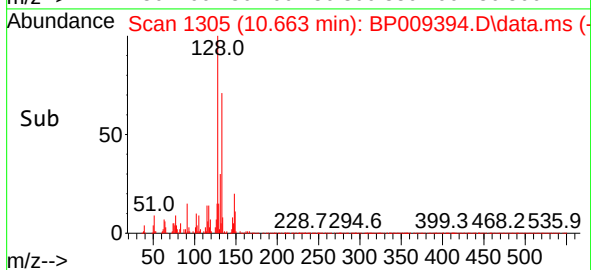
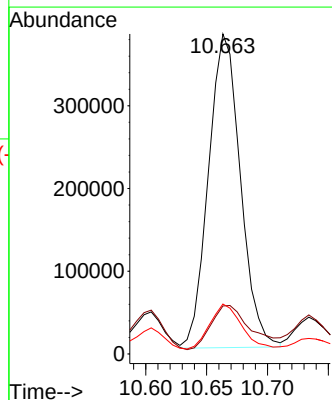
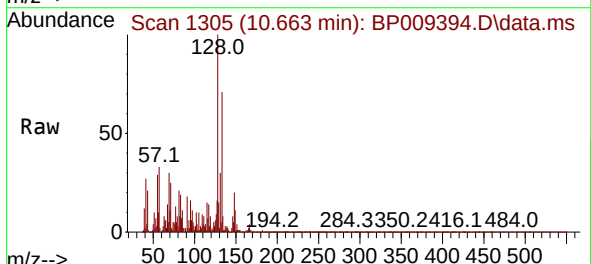
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

Tgt Ion:139 Resp: 31389  
Ion Ratio Lower Upper  
139 100  
109 191.3 23.4 35.0#  
65 113.2 41.0 61.6#

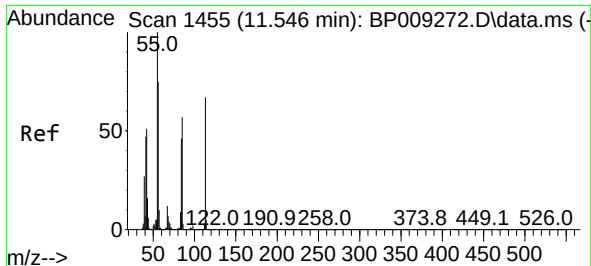


#31  
Naphthalene  
Concen: 7.517 ng  
RT: 10.663 min Scan# 1305  
Delta R.T. -0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:128 Resp: 691544  
Ion Ratio Lower Upper  
128 100  
129 15.0 8.6 13.0#  
127 15.6 10.5 15.7



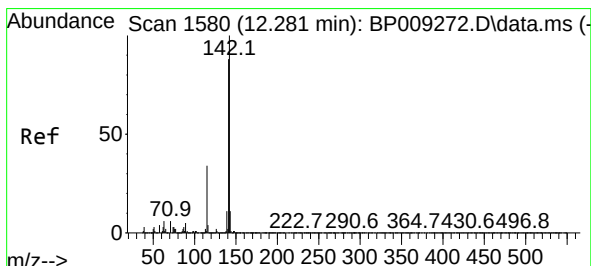
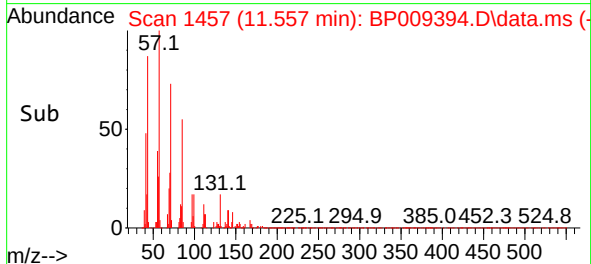
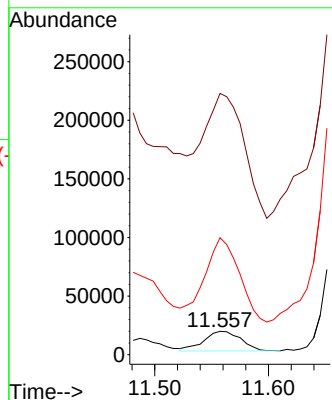
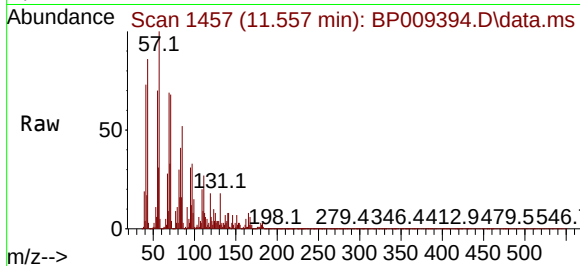




#35  
Caprolactam  
Concen: 4.926 ng  
RT: 11.557 min Scan# 1455  
Delta R.T. 0.012 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

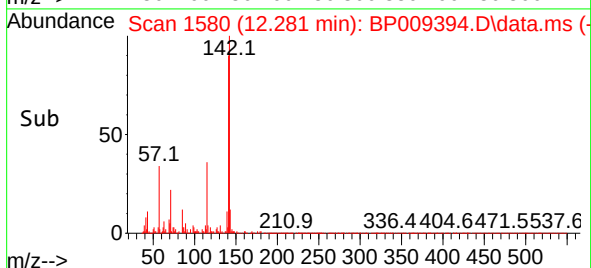
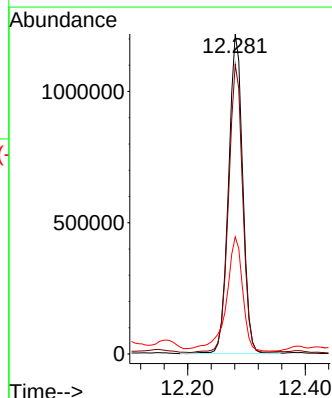
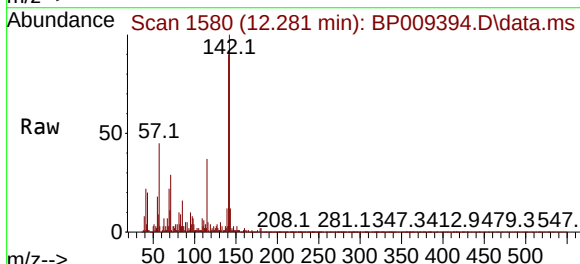
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

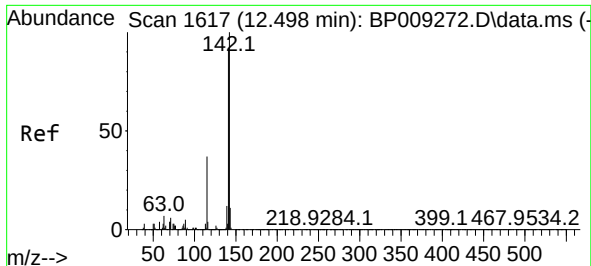
Tgt Ion:113 Resp: 38086  
Ion Ratio Lower Upper  
113 100  
55 1119.8 128.4 168.4#  
56 501.2 90.9 130.9#



#37  
2-Methylnaphthalene  
Concen: 31.159 ng  
RT: 12.281 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:142 Resp: 2036762  
Ion Ratio Lower Upper  
142 100  
141 90.5 70.2 105.4  
115 36.6 27.4 41.2

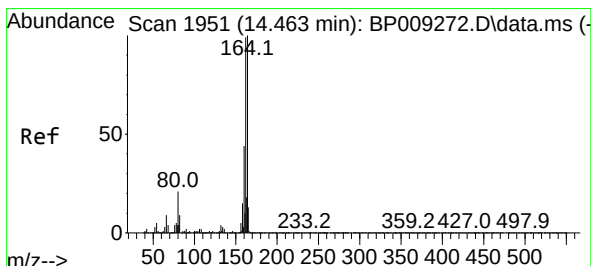
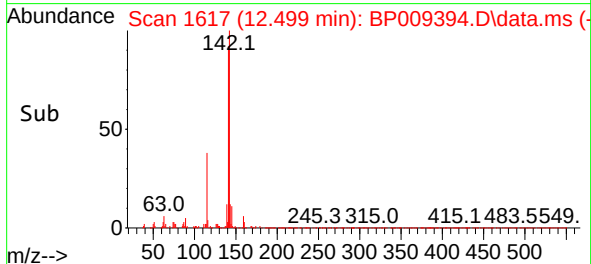
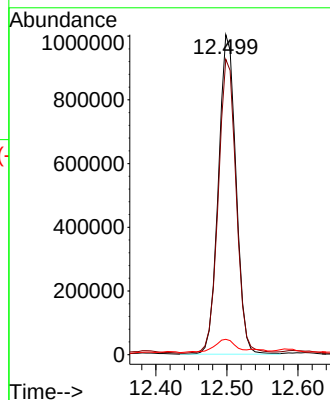
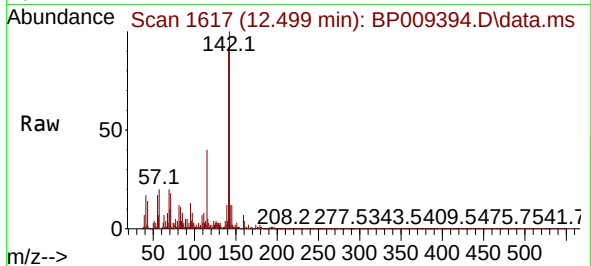




#38  
1-Methylnaphthalene  
Concen: 28.530 ng  
RT: 12.499 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

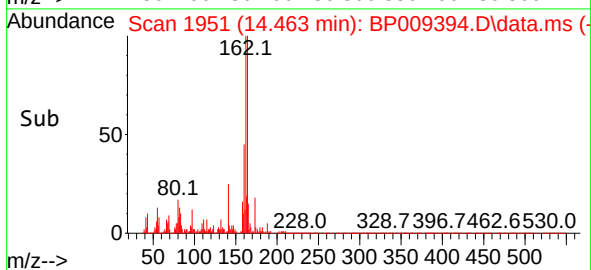
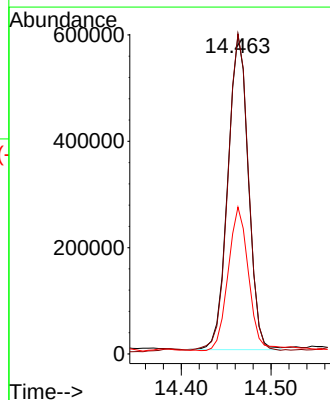
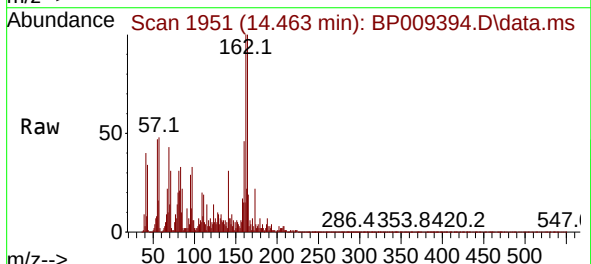
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

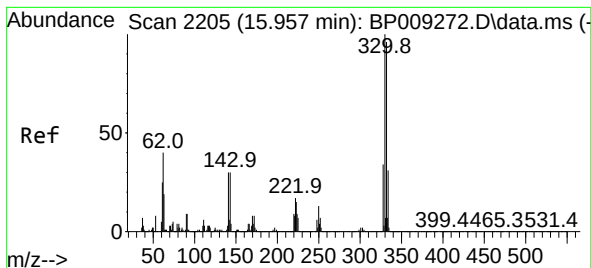
Tgt Ion:142 Resp: 1717539  
Ion Ratio Lower Upper  
142 100  
141 92.3 73.5 110.3  
116 4.8 3.3 4.9



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.463 min Scan# 1951  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:164 Resp: 941131  
Ion Ratio Lower Upper  
164 100  
162 100.2 79.1 118.7  
160 46.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 18.211 ng

RT: 15.963 min Scan# 2206

Delta R.T. 0.006 min

Lab File: BP009394.D

Acq: 14 Mar 2022 21:55

Instrument :

BNA\_P

ClientSampleId :

WC-14A-1A-4

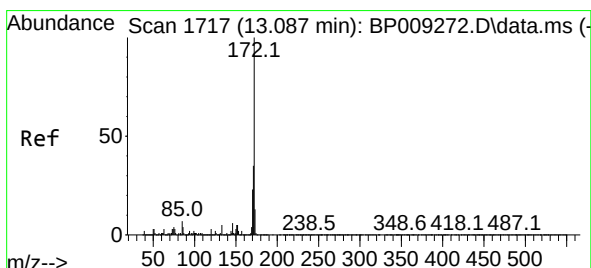
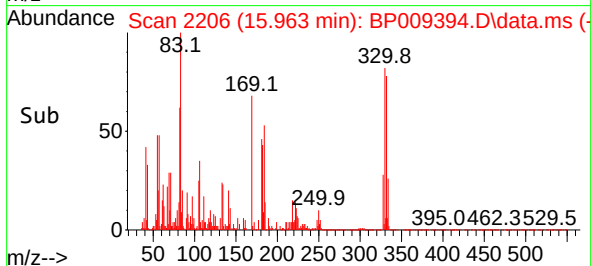
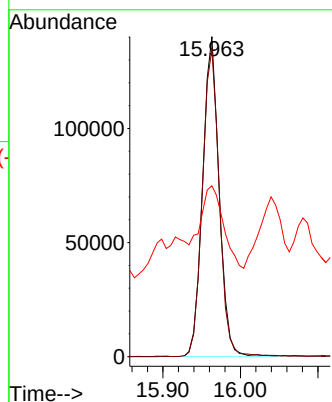
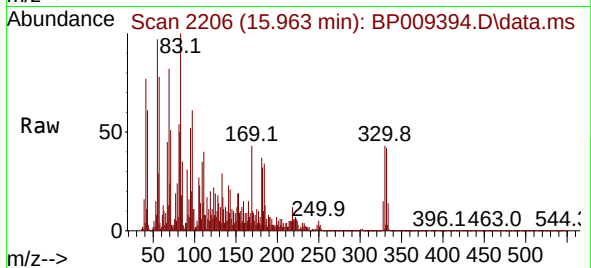
Tgt Ion:330 Resp: 206950

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 36.1 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 11.131 ng

RT: 13.081 min Scan# 1716

Delta R.T. -0.006 min

Lab File: BP009394.D

Acq: 14 Mar 2022 21:55

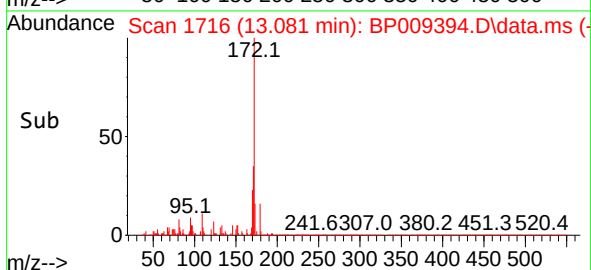
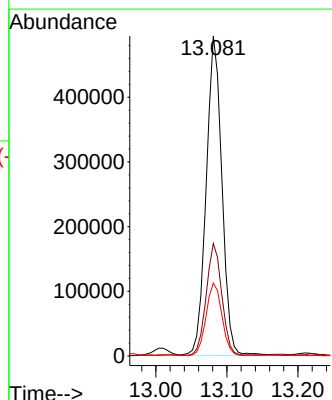
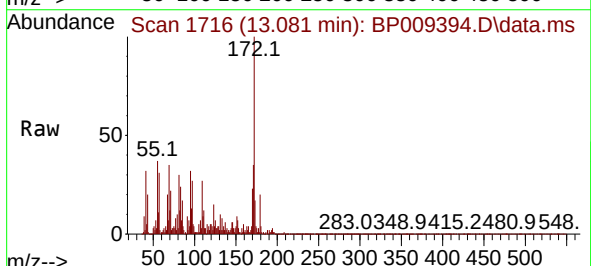
Tgt Ion:172 Resp: 761784

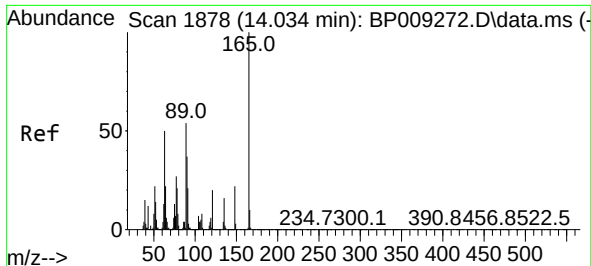
Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 22.8 18.6 27.8

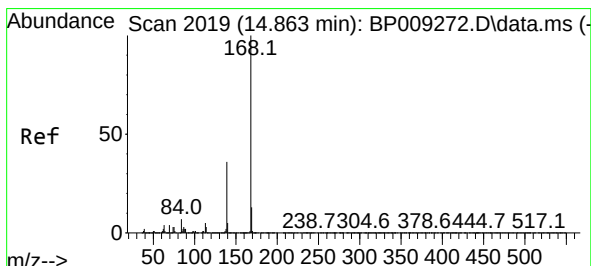
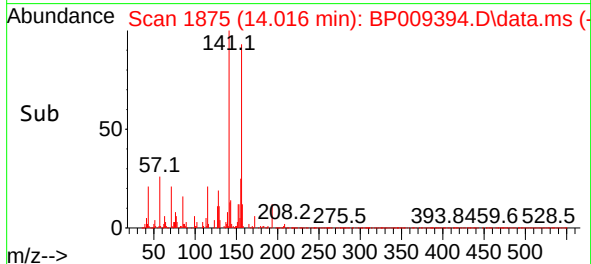
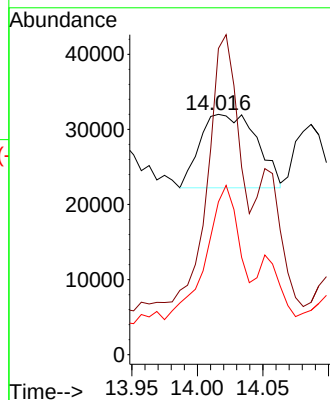
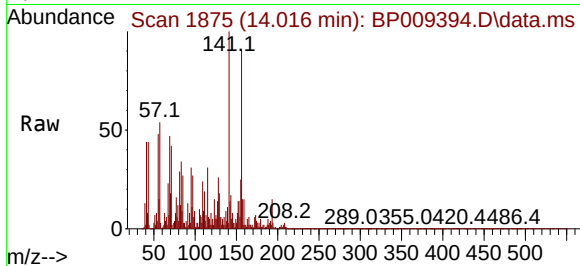




#51  
2,6-Dinitrotoluene  
Concen: 2.149 ng  
RT: 14.016 min Scan# 1878  
Delta R.T. -0.018 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

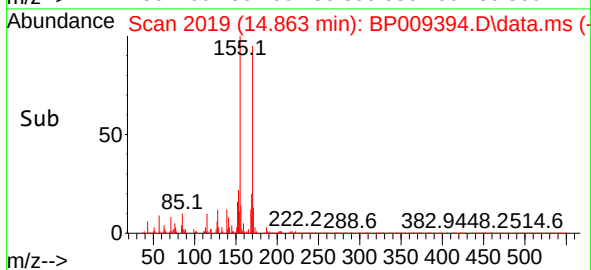
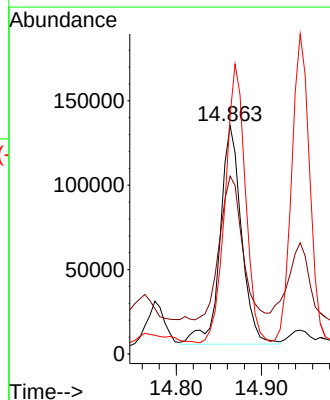
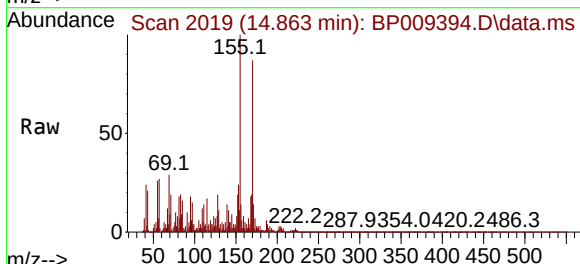
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

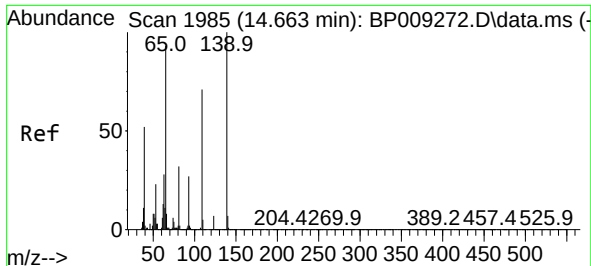
Tgt Ion:165 Resp: 29459  
Ion Ratio Lower Upper  
165 100  
63 127.4 40.9 61.3#  
89 63.6 43.4 65.2



#55  
Dibenzofuran  
Concen: 2.592 ng  
RT: 14.863 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:168 Resp: 226271  
Ion Ratio Lower Upper  
168 100  
139 77.9 29.1 43.7#  
169 104.4 10.6 16.0#

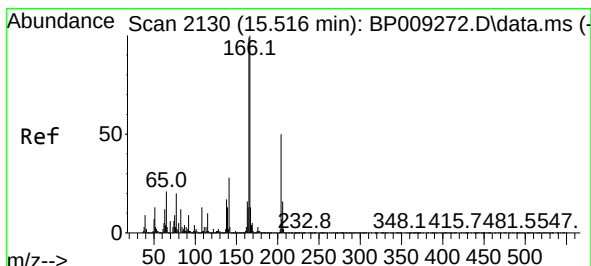
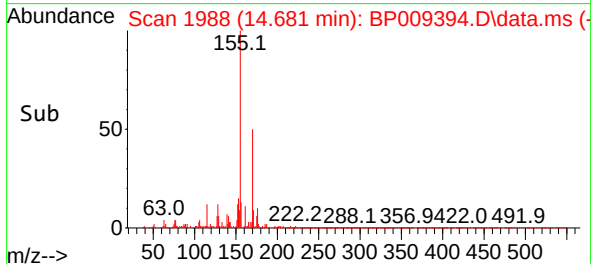
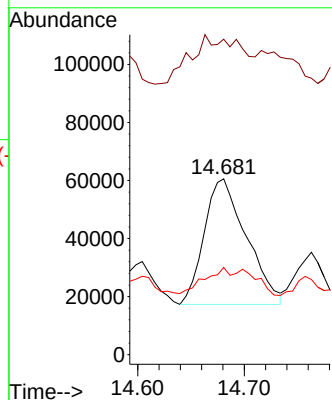
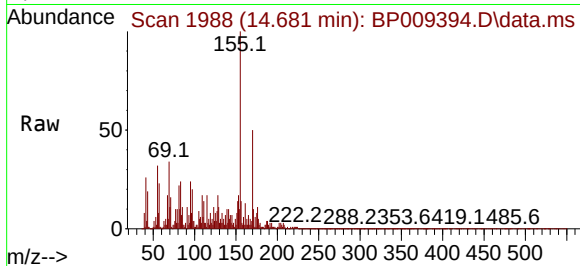




#56  
4-Nitrophenol  
Concen: 9.843 ng  
RT: 14.681 min Scan# 1985  
Delta R.T. 0.018 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

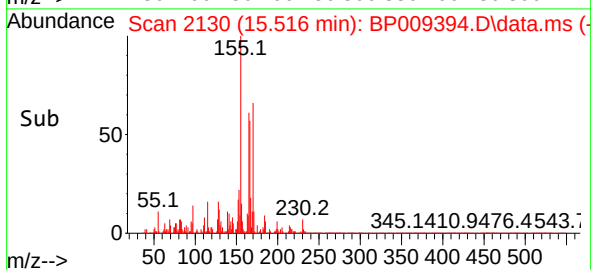
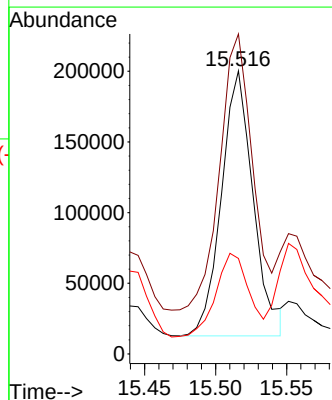
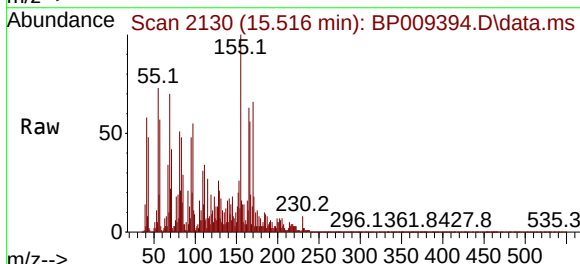
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

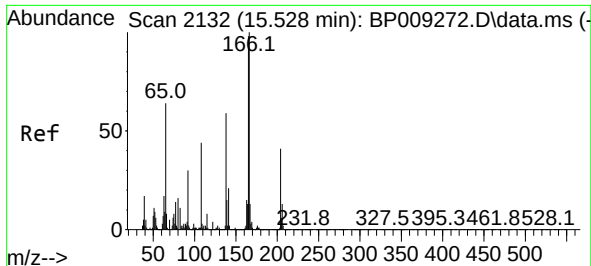
Tgt Ion:139 Resp: 119194  
Ion Ratio Lower Upper  
139 100  
109 179.5 51.2 91.2#  
65 49.6 73.2 113.2#



#58  
Fluorene  
Concen: 4.272 ng  
RT: 15.516 min Scan# 2130  
Delta R.T. 0.000 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:166 Resp: 292087  
Ion Ratio Lower Upper  
166 100  
165 113.1 79.2 118.8  
167 33.8 10.7 16.1#

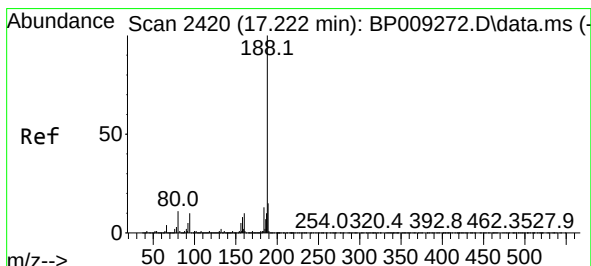
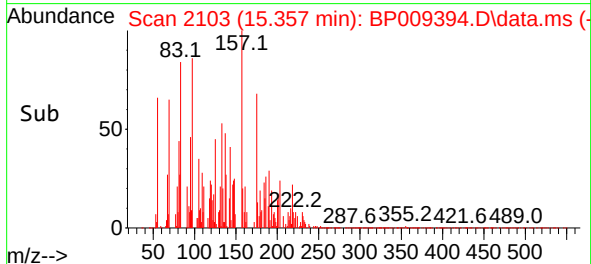
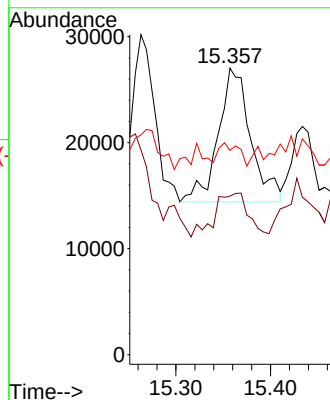
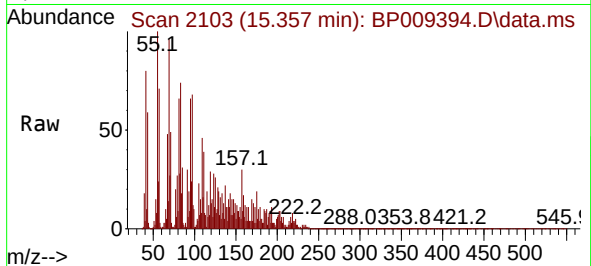




#62  
4-Nitroaniline  
Concen: 2.129 ng  
RT: 15.357 min Scan# 2132  
Delta R.T. -0.171 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

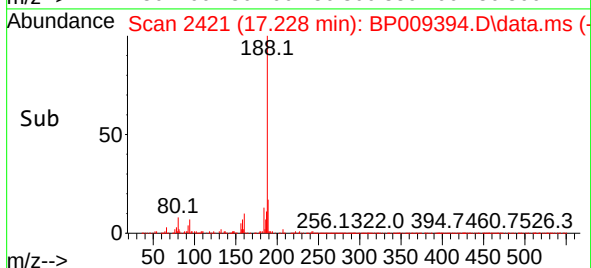
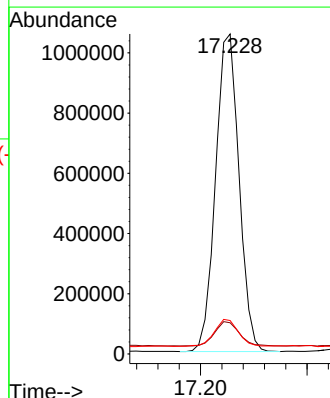
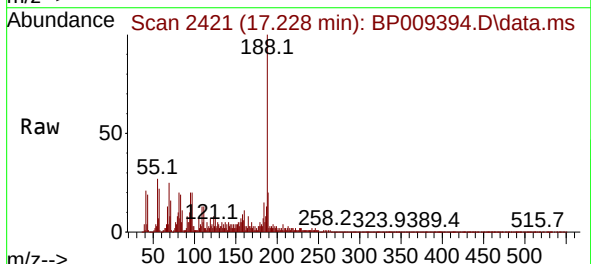
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

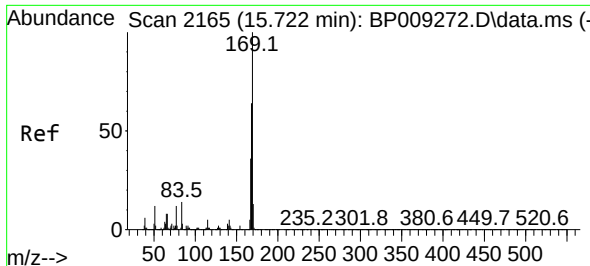
Tgt Ion:138 Resp: 30057  
Ion Ratio Lower Upper  
138 100  
92 55.4 31.2 71.2  
108 71.4 54.3 94.3



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.228 min Scan# 2421  
Delta R.T. 0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:188 Resp: 1608674  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.9 11.9  
80 10.4 8.8 13.2

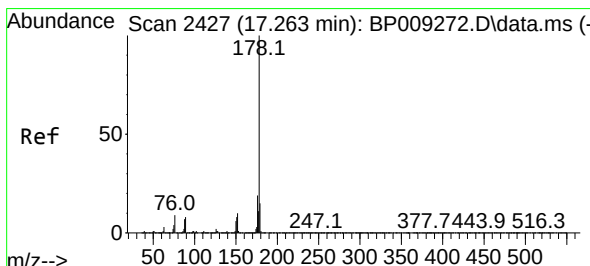
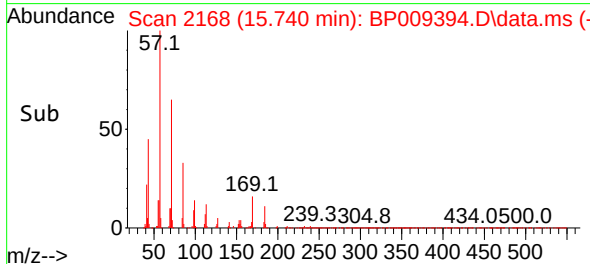
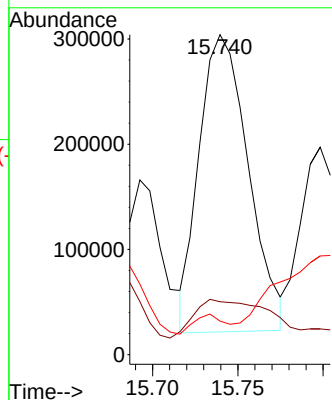
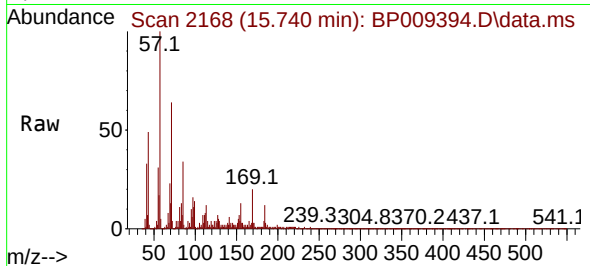




#66  
n-Nitrosodiphenylamine  
Concen: 11.200 ng  
RT: 15.740 min Scan# 2165  
Delta R.T. 0.018 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

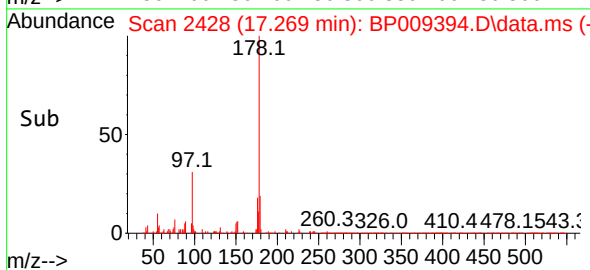
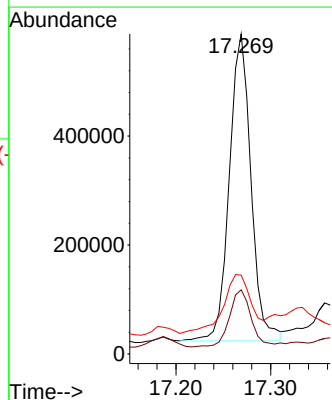
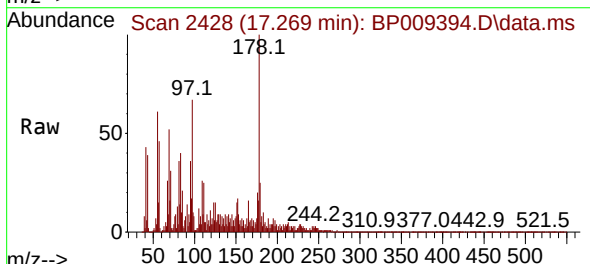
Instrument :  
BNA\_P  
ClientSampleId :  
WC-14A-1A-4

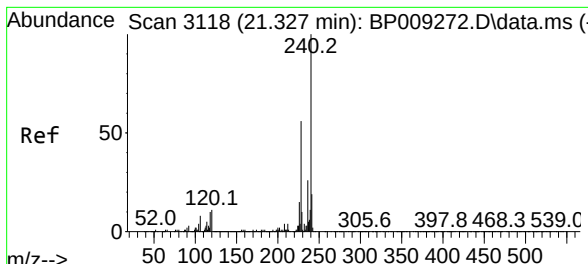
Tgt Ion:169 Resp: 565552  
Ion Ratio Lower Upper  
169 100  
168 16.6 51.6 77.4#  
167 10.5 29.0 43.4#



#71  
Phenanthrene  
Concen: 9.674 ng  
RT: 17.269 min Scan# 2428  
Delta R.T. 0.006 min  
Lab File: BP009394.D  
Acq: 14 Mar 2022 21:55

Tgt Ion:178 Resp: 894398  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.4 23.2  
179 24.7 12.3 18.5#



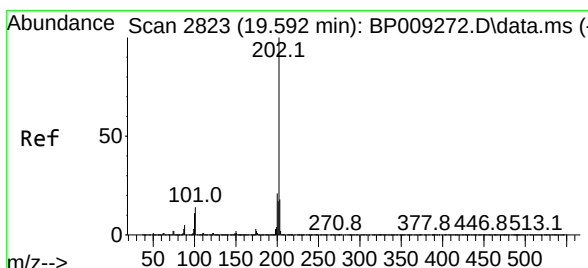
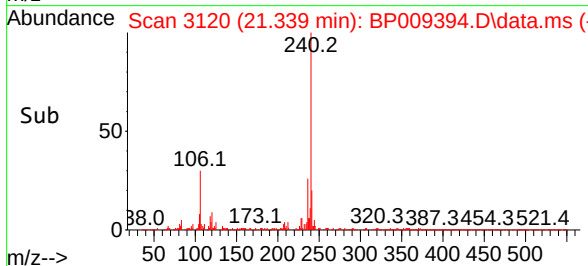
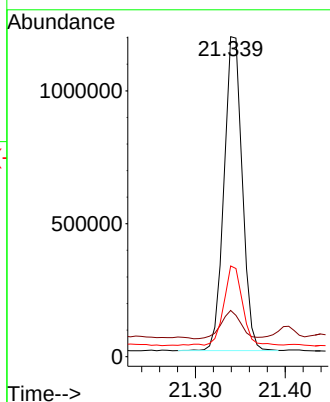
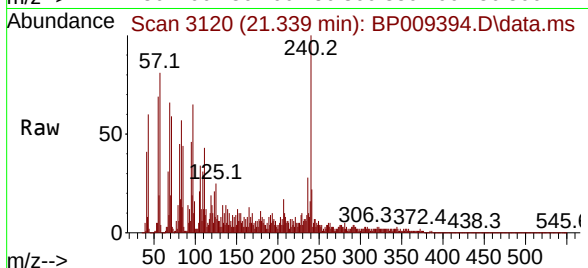


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.339 min Scan# 3118  
 Delta R.T. 0.012 min  
 Lab File: BP009394.D  
 Acq: 14 Mar 2022 21:55

Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-14A-1A-4

Tgt Ion: 240 Resp: 1661950

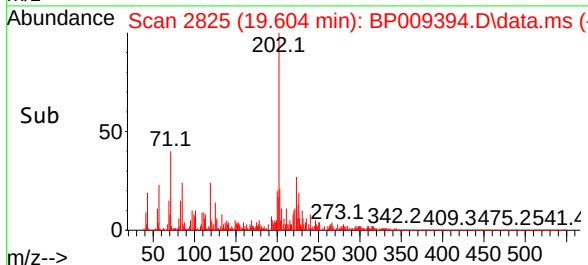
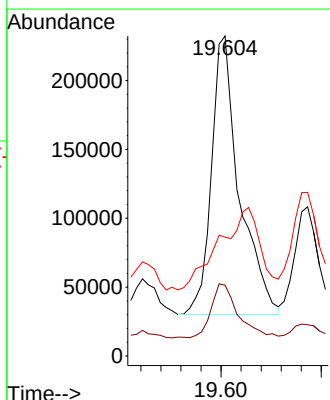
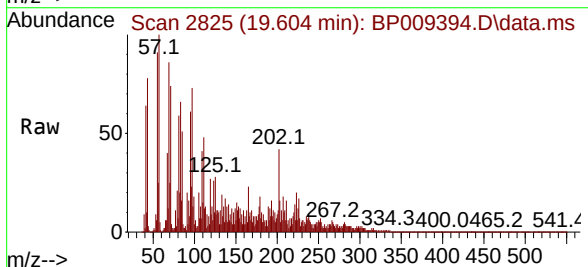
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 14.4  | 9.0   | 13.4# |
| 236 | 28.3  | 20.6  | 30.8  |



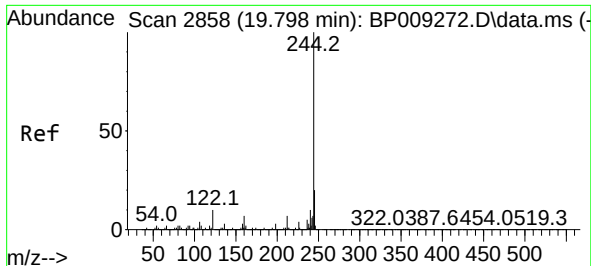
#78  
 Pyrene  
 Concen: 3.488 ng  
 RT: 19.604 min Scan# 2825  
 Delta R.T. 0.012 min  
 Lab File: BP009394.D  
 Acq: 14 Mar 2022 21:55

Tgt Ion: 202 Resp: 391417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 22.1  | 16.8  | 25.2  |
| 203 | 37.1  | 14.2  | 21.4# |



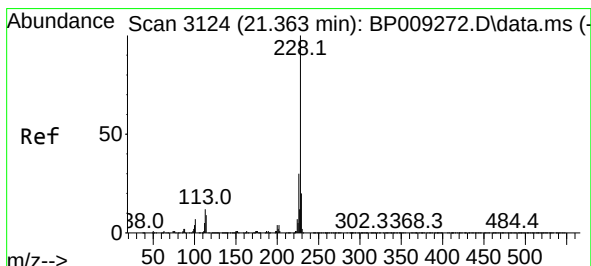
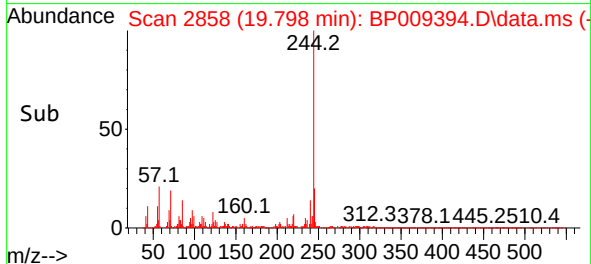
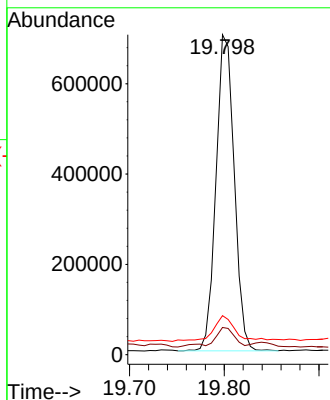
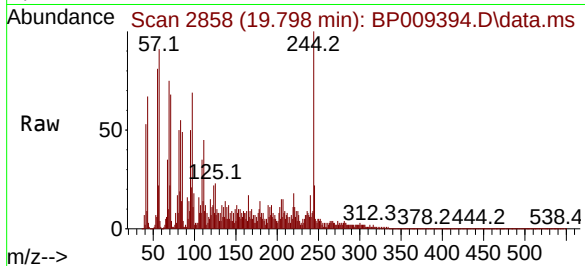




#79  
 Terphenyl-d14  
 Concen: 10.655 ng  
 RT: 19.798 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BP009394.D  
 Acq: 14 Mar 2022 21:55

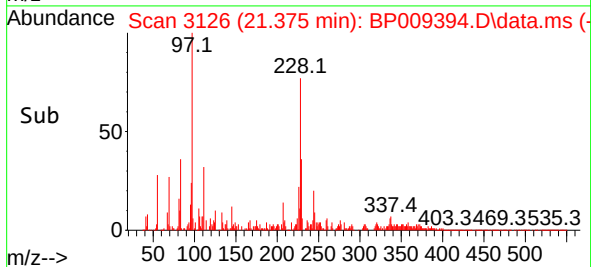
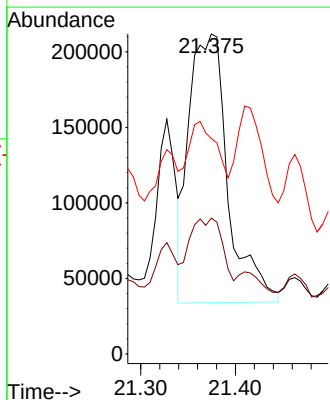
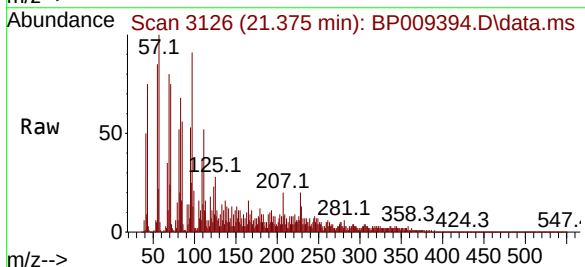
Instrument :  
 BNA\_P  
 ClientSampleId :  
 WC-14A-1A-4

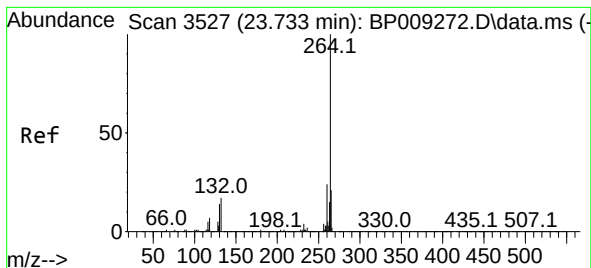
Tgt Ion:244 Resp: 938401  
 Ion Ratio Lower Upper  
 244 100  
 212 8.5 5.8 8.6  
 122 12.2 8.3 12.5



#83  
 Chrysene  
 Concen: 4.654 ng  
 RT: 21.375 min Scan# 3126  
 Delta R.T. 0.012 min  
 Lab File: BP009394.D  
 Acq: 14 Mar 2022 21:55

Tgt Ion:228 Resp: 508980  
 Ion Ratio Lower Upper  
 228 100  
 226 42.5 24.2 36.2#  
 229 67.4 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.780 min Scan# 31

Delta R.T. 0.047 min

Lab File: BP009394.D

Acq: 14 Mar 2022 21:55

Instrument :

BNA\_P

ClientSampleId :

WC-14A-1A-4

Tgt Ion:264 Resp: 1930035

Ion Ratio Lower Upper

264 100

260 25.5 19.4 29.0

265 25.3 17.2 25.8

