

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110321\  
 Data File : BM032861.D  
 Acq On : 03 Nov 2021 14:56  
 Operator : CG/JU  
 Sample : M4386-12DL 5X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-BNA-SOILD

Quant Time: Nov 03 15:25:30 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM110221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 02 16:07:18 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.484  | 152  | 97299    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.266 | 136  | 450006   | 20.000    | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.148 | 164  | 330326   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.889 | 188  | 713052   | 20.000    | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.071 | 240  | 726289   | 20.000    | ng    | 0.00     |
| 86) Perylene-d12              | 23.183 | 264  | 769190   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.072  | 112  | 148763   | 26.655    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.684  | 99   | 210755   | 25.358    | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 8.636  | 82   | 131192   | 15.956    | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.642 | 330  | 89581    | 24.215    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.760 | 172  | 385863   | 18.118    | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.518 | 244  | 651560   | 19.586    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.931  | 88   | 58       | Below Cal | #     | 1        |
| 6) Aniline                    | 6.913  | 93   | 153783   | 16.572    | ng    | # 56     |
| 10) Phenol                    | 6.713  | 94   | 141742   | 17.769    | ng    | 85       |
| 11) bis(2-Chloroethyl)ether   | 6.913  | 93   | 153783   | 24.416    | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.378  | 146  | 290586   | 40.444    | ng    | # 92     |
| 13) 1,4-Dichlorobenzene       | 7.519  | 146  | 128263   | 17.425    | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.289  | 70   | 80704    | 15.859    | ng    | 87       |
| 26) 2-Nitrophenol             | 9.395  | 139  | 146340   | 39.792    | ng    | # 74     |
| 28) bis(2-Chloroethoxy)met... | 9.689  | 93   | 152115   | 15.670    | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 9.930  | 162  | 124645   | 17.961    | ng    | 96       |
| 31) Naphthalene               | 10.319 | 128  | 327803   | 14.034    | ng    | 99       |
| 33) 4-Chloroaniline           | 10.319 | 127  | 41906    | 4.296     | ng    | # 33     |
| 36) 4-Chloro-3-methylphenol   | 11.577 | 107  | 242687   | 30.570    | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.571 | 196  | 175030   | 27.389    | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 12.642 | 196  | 155487   | 22.016    | ng    | # 92     |
| 47) 2-Chloronaphthalene       | 13.013 | 162  | 474256   | 25.878    | ng    | 96       |
| 49) Acenaphthylene            | 13.865 | 152  | 868035   | 29.521    | ng    | 100      |
| 50) Dimethylphthalate         | 13.607 | 163  | 412115   | 17.147    | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.724 | 165  | 220622   | 44.910    | ng    | # 67     |
| 52) Acenaphthene              | 14.213 | 154  | 420935   | 24.033    | ng    | 97       |
| 55) Dibenzofuran              | 14.548 | 168  | 552348   | 18.785    | ng    | 94       |
| 56) 4-Nitrophenol             | 14.389 | 139  | 141864   | 32.564    | ng    | # 71     |
| 57) 2,4-Dinitrotoluene        | 14.518 | 165  | 315419   | 47.398    | ng    | # 62     |
| 58) Fluorene                  | 15.201 | 166  | 416753   | 18.905    | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.195 | 204  | 483770   | 41.508    | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.195 | 169  | 54383    | 2.602     | ng    | # 66     |
| 68) Hexachlorobenzene         | 16.218 | 284  | 234347   | 29.178    | ng    | # 82     |
| 71) Phenanthrene              | 16.930 | 178  | 1312725  | 34.720    | ng    | 100      |
| 72) Anthracene                | 17.018 | 178  | 1316123  | 35.268    | ng    | 99       |
| 74) Di-n-butylphthalate       | 17.853 | 149  | 891333   | 21.856    | ng    | # 97     |
| 75) Fluoranthene              | 18.948 | 202  | 1507703  | 34.757    | ng    | 98       |
| 78) Pyrene                    | 19.306 | 202  | 781250   | 16.056    | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.053 | 228  | 1047539  | 22.607    | ng    | 99       |
| 83) Chrysene                  | 21.106 | 228  | 496486   | 10.906    | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 20.994 | 149  | 1385095  | 53.093    | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 21.830 | 149  | 1091026  | 23.450    | ng    | # 91     |

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Data File : BM032861.D  
Acq On : 03 Nov 2021 14:56  
Operator : CG/JU  
Sample : M4386-12DL 5X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

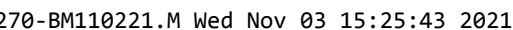
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

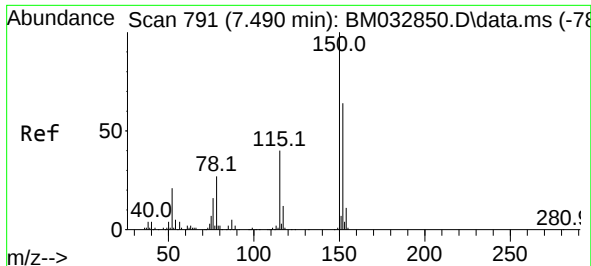
Quant Time: Nov 03 15:25:30 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM110221.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 02 16:07:18 2021  
Response via : Initial Calibration

| Compound                 | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------|--------|------|----------|--------|-------|----------|
| 92) Benzo(g,h,i)perylene | 25.900 | 276  | 888858   | 22.574 | ng    | # 94     |

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

Quant Time: Nov 03 15:25:30 2021  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 02 16:07:18 2021  
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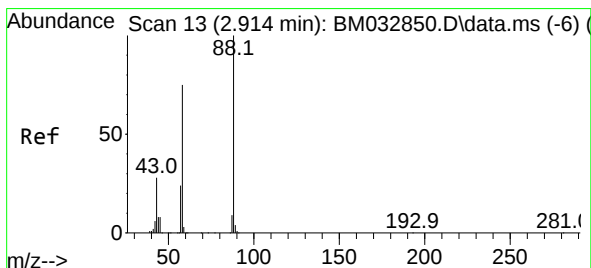
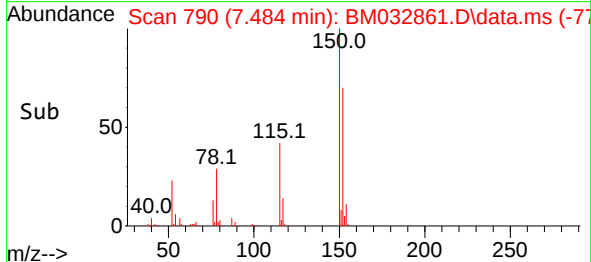
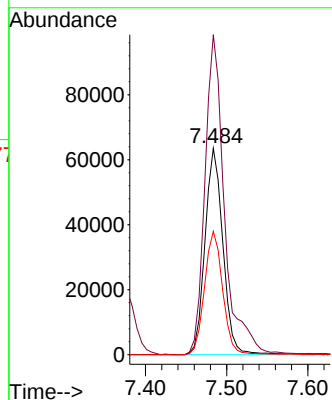
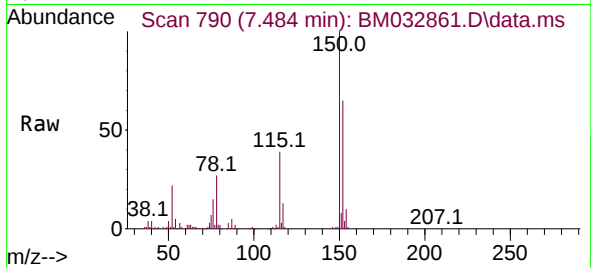




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.484 min Scan# 791  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

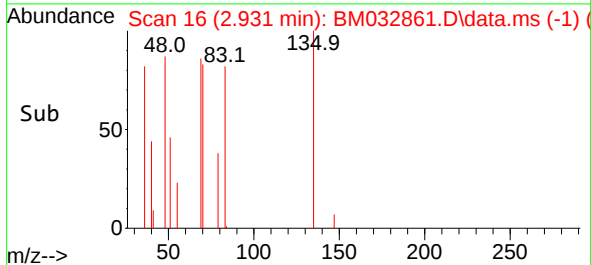
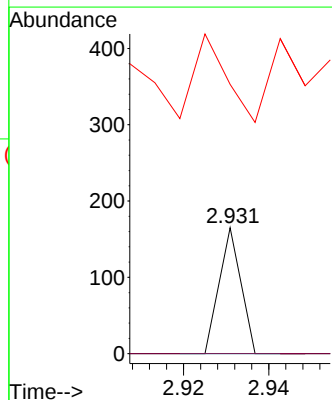
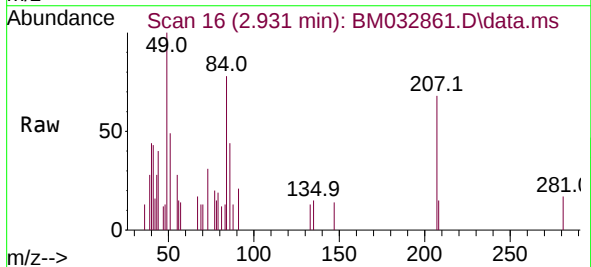
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

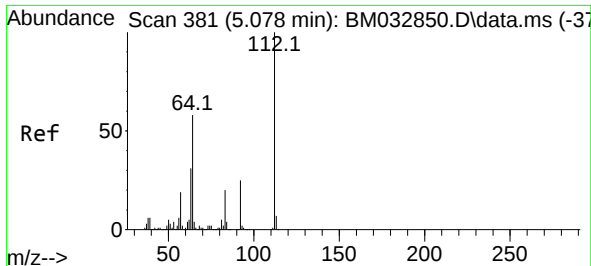
Tgt Ion:152 Resp: 97299  
Ion Ratio Lower Upper  
152 100  
150 155.0 122.4 183.6  
115 59.8 53.8 80.8



#2  
1,4-Dioxane  
Concen: Below Cal  
RT: 2.931 min Scan# 16  
Delta R.T. 0.017 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 88 Resp: 58  
Ion Ratio Lower Upper  
88 100  
58 0.0 50.4 75.6#  
43 101.7 22.2 33.2#

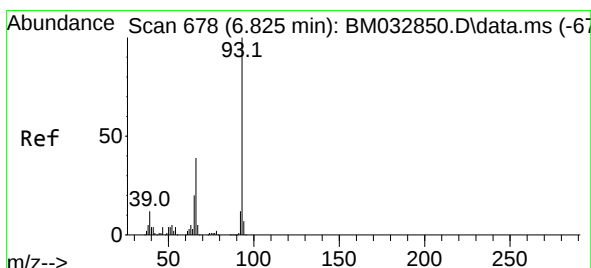
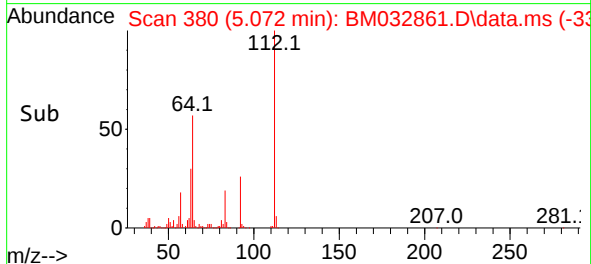
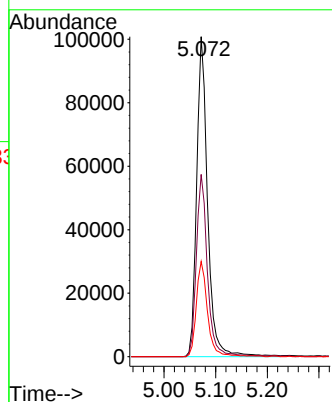
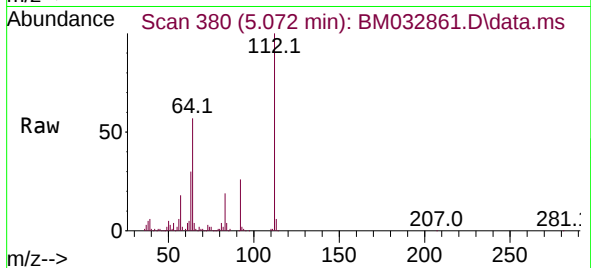




#5  
2-Fluorophenol  
Concen: 26.655 ng  
RT: 5.072 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

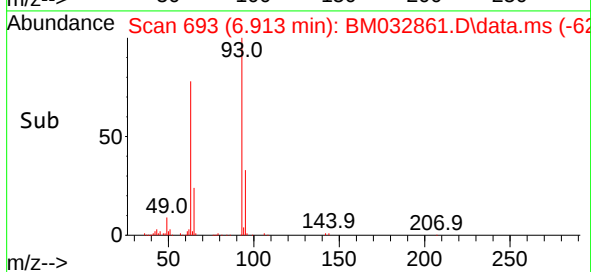
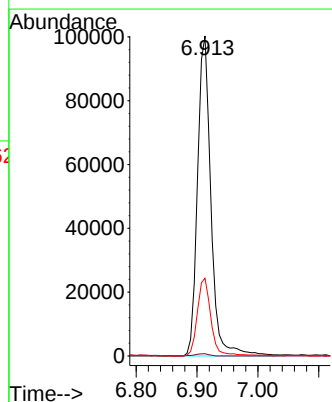
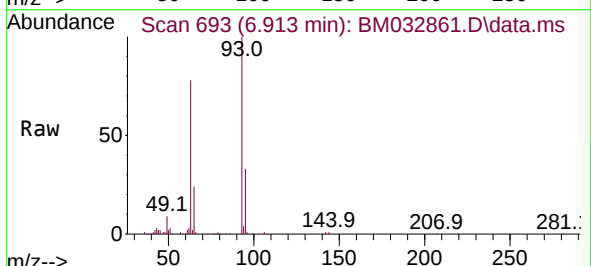
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

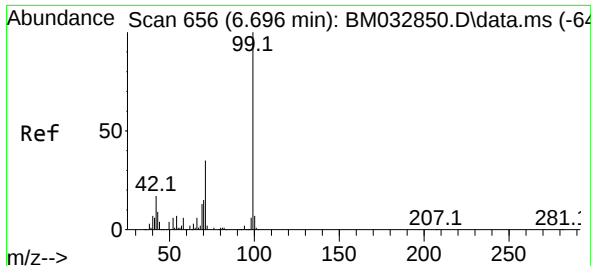
Tgt Ion:112 Resp: 148763  
Ion Ratio Lower Upper  
112 100  
64 57.0 53.7 80.5  
63 29.8 33.9 50.9#



#6  
Aniline  
Concen: 16.572 ng  
RT: 6.913 min Scan# 693  
Delta R.T. 0.088 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 93 Resp: 153783  
Ion Ratio Lower Upper  
93 100  
66 0.7 35.3 52.9#  
65 24.3 18.7 28.1

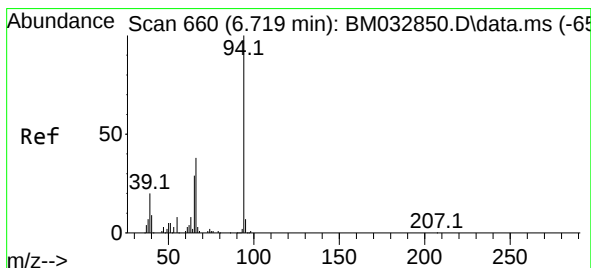
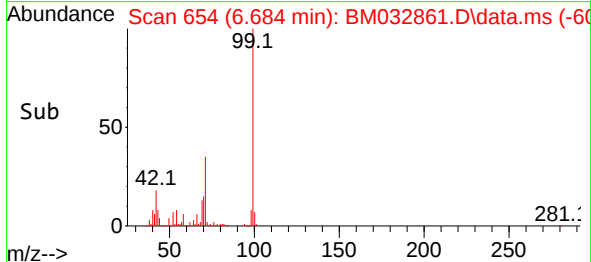
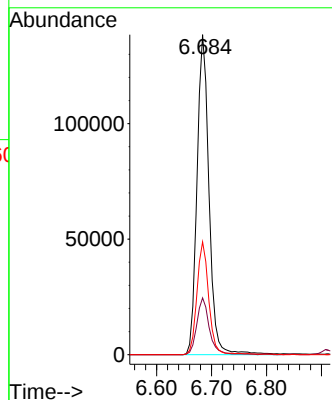
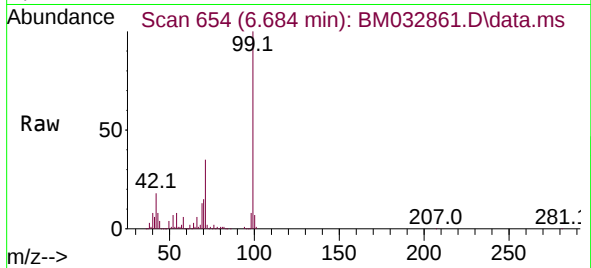




#7  
Phenol-d6  
Concen: 25.358 ng  
RT: 6.684 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

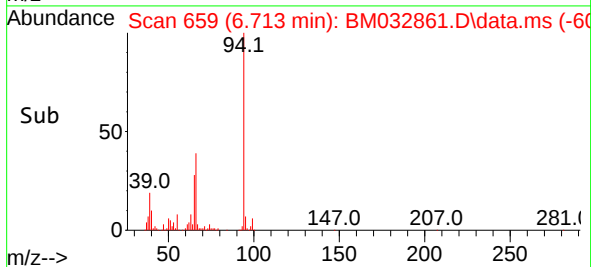
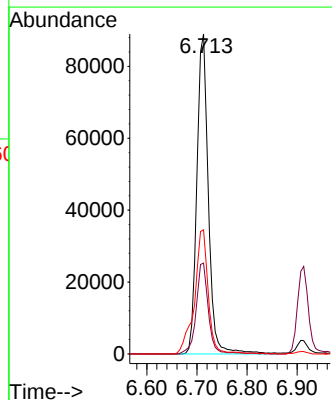
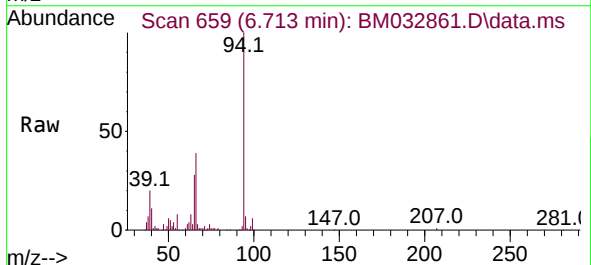
Instrument :  
BNA\_M  
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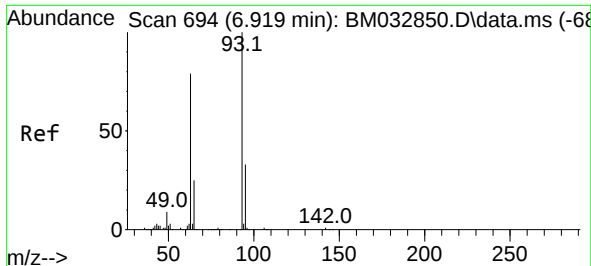
Tgt Ion: 99 Resp: 210755  
Ion Ratio Lower Upper  
99 100  
42 17.8 23.0 34.6#  
71 35.2 37.8 56.8#



#10  
Phenol  
Concen: 17.769 ng  
RT: 6.713 min Scan# 659  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 94 Resp: 141742  
Ion Ratio Lower Upper  
94 100  
65 28.4 16.9 56.9  
66 38.8 30.0 70.0

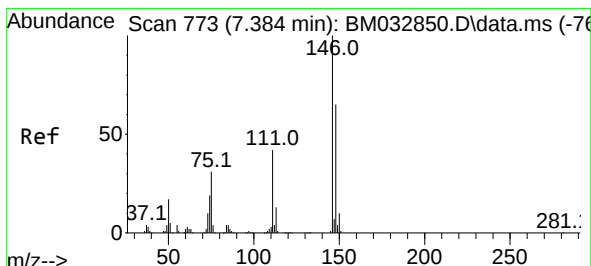
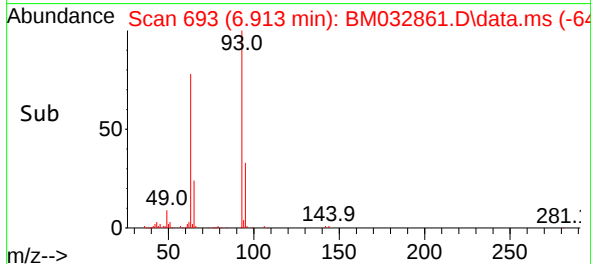
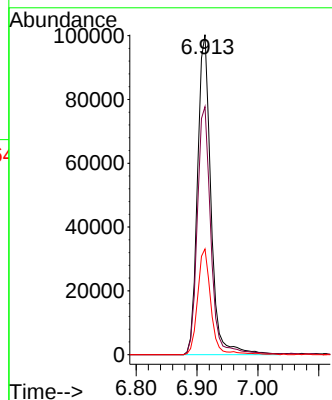
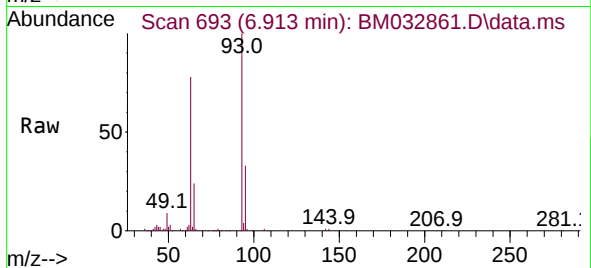




#11  
bis(2-Chloroethyl)ether  
Concen: 24.416 ng  
RT: 6.913 min Scan# 693  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

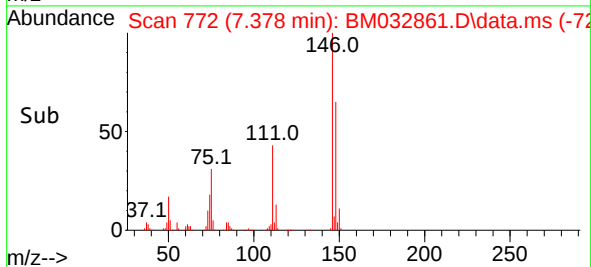
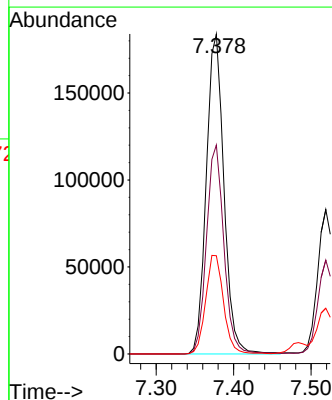
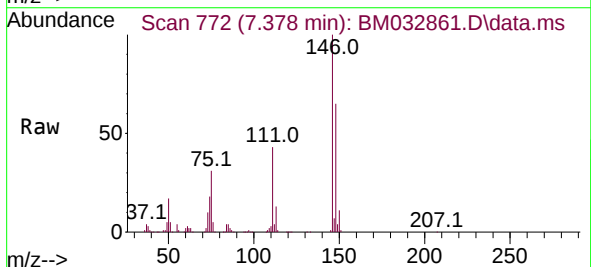
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

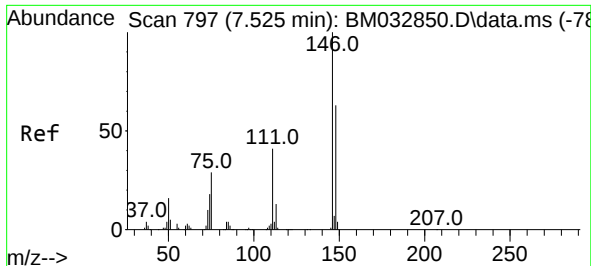
Tgt Ion: 93 Resp: 153783  
Ion Ratio Lower Upper  
93 100  
63 77.5 63.7 103.7  
95 33.1 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 40.444 ng  
RT: 7.378 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 146 Resp: 290586  
Ion Ratio Lower Upper  
146 100  
148 65.3 52.3 78.5  
75 30.7 34.2 51.2

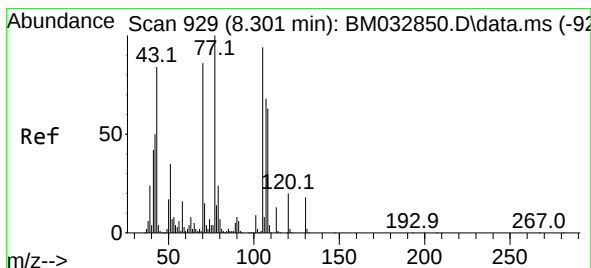
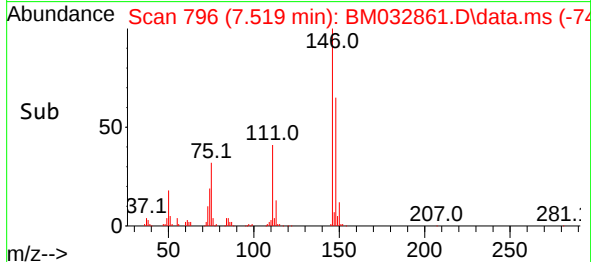
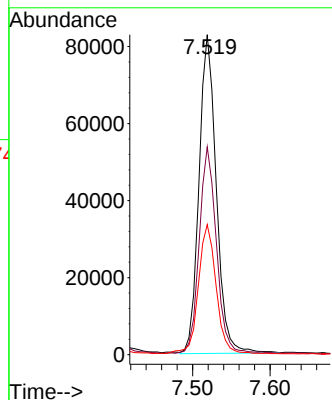
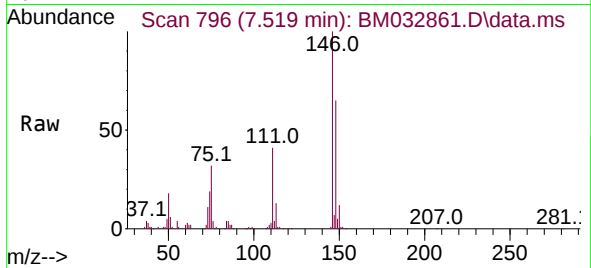




#13  
1,4-Dichlorobenzene  
Concen: 17.425 ng  
RT: 7.519 min Scan# 796  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

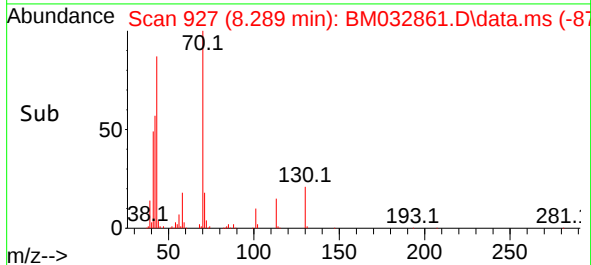
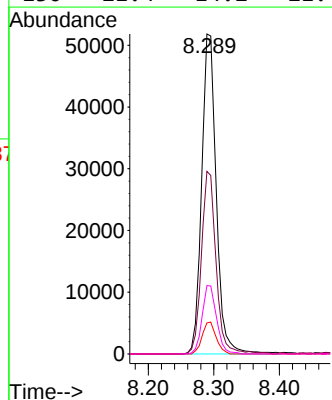
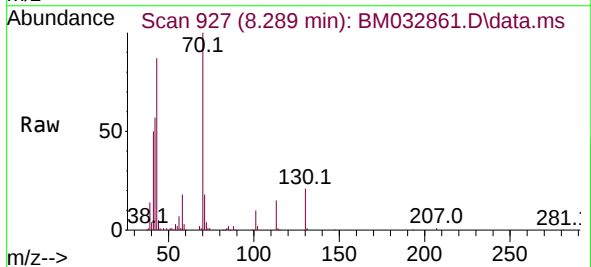
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

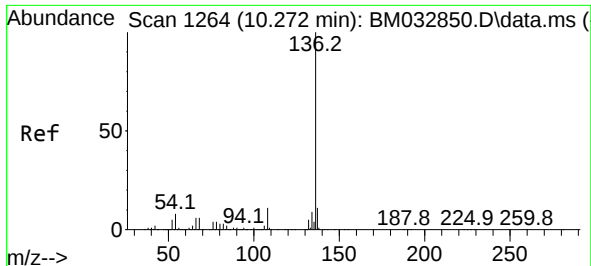
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Ion Ratio Lower Upper  
146 100  
148 64.9 51.1 76.7  
111 40.7 35.3 52.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 15.859 ng  
RT: 8.289 min Scan# 927  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 70 Resp: 80704  
Ion Ratio Lower Upper  
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101 9.7 7.8 11.6  
130 21.4 14.2 21.4

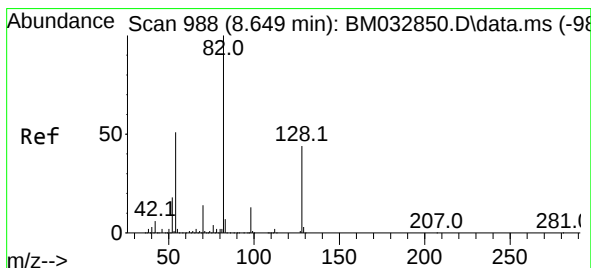
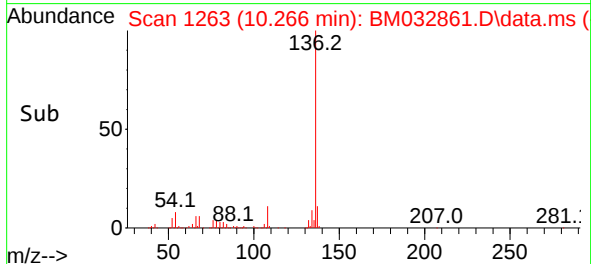
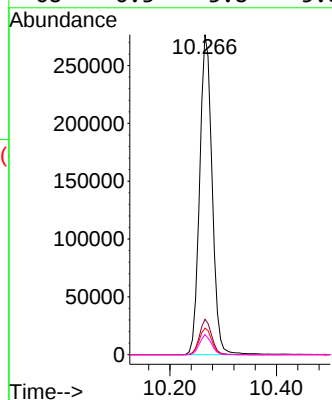
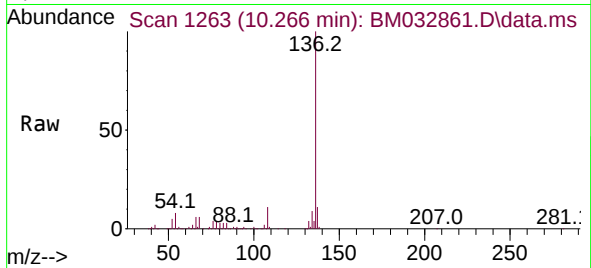




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.266 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

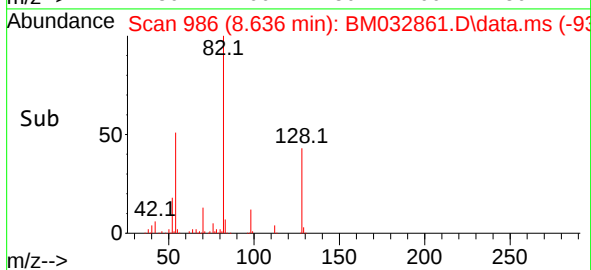
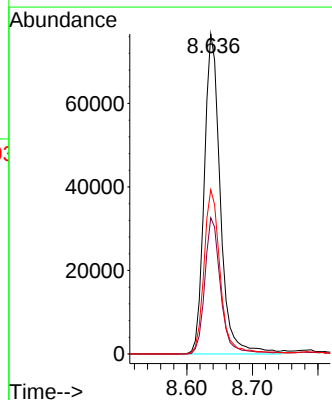
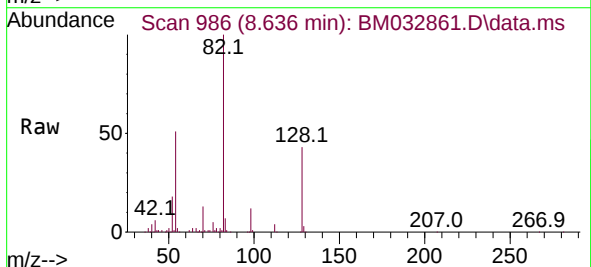
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILDL

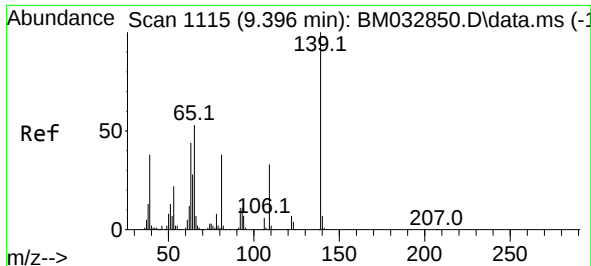
Tgt Ion:136 Resp: 450006  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.7 13.1  
54 8.3 7.4 11.0  
68 6.3 3.8 5.8#



#23  
Nitrobenzene-d5  
Concen: 15.956 ng  
RT: 8.636 min Scan# 986  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 82 Resp: 131192  
Ion Ratio Lower Upper  
82 100  
128 42.6 29.0 43.6  
54 51.3 45.8 68.8

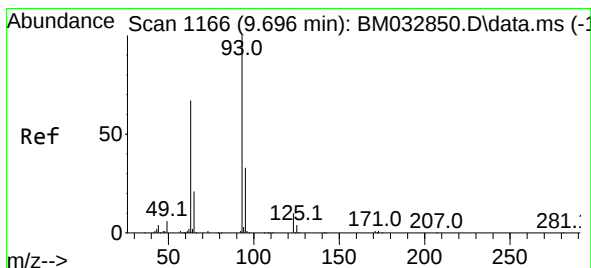
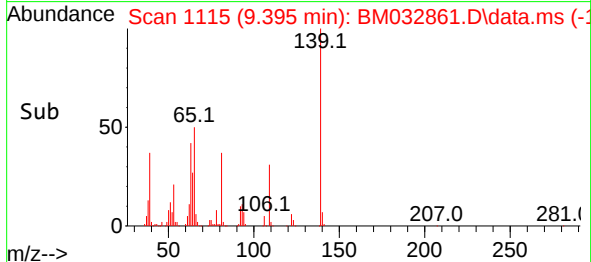
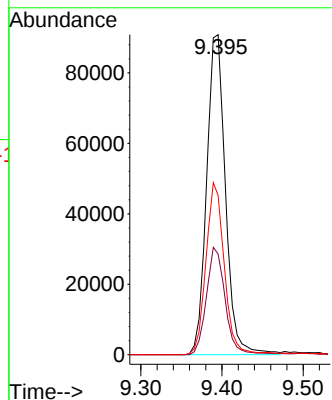
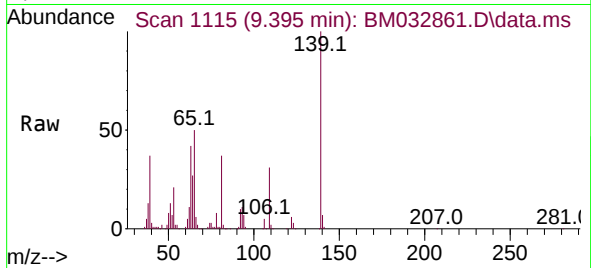




#26  
2-Nitrophenol  
Concen: 39.792 ng  
RT: 9.395 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

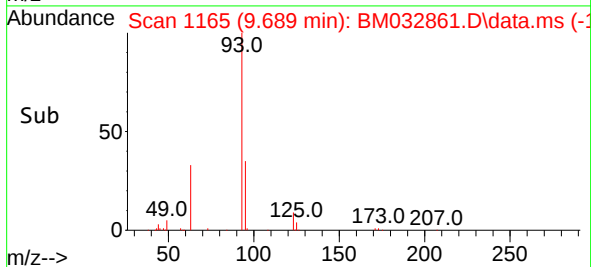
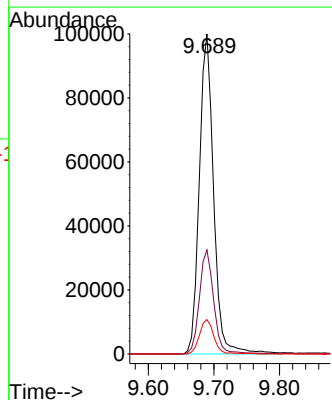
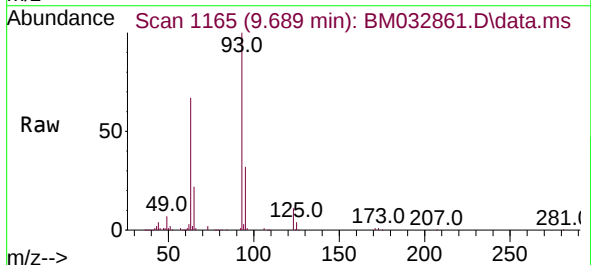
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

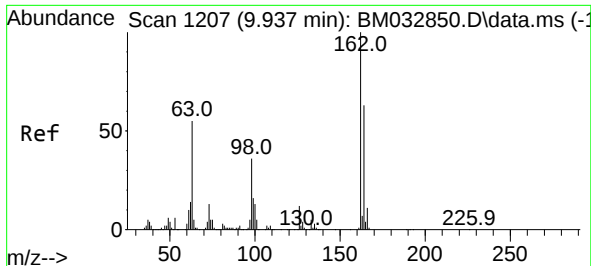
Tgt Ion:139 Resp: 146340  
Ion Ratio Lower Upper  
139 100  
109 31.5 34.8 52.2#  
65 49.7 59.9 89.9#



#28  
bis(2-Chloroethoxy)methane  
Concen: 15.670 ng  
RT: 9.689 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion: 93 Resp: 152115  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.8 38.8  
123 10.8 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 17.961 ng

RT: 9.930 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

Instrument :

BNA\_M

ClientSampleId :

PT-BNA-SOILDL

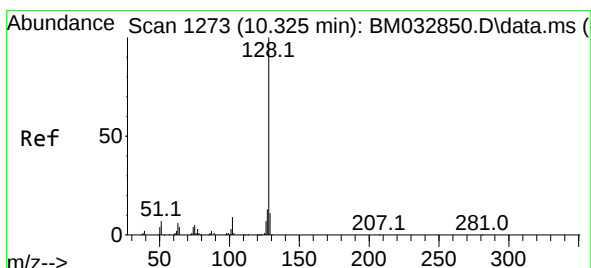
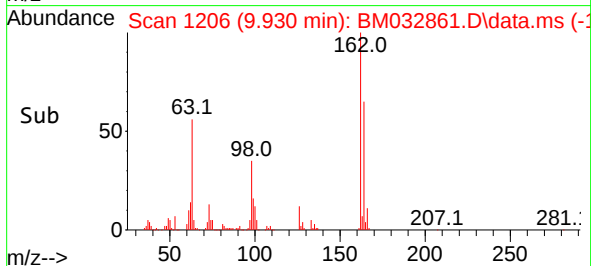
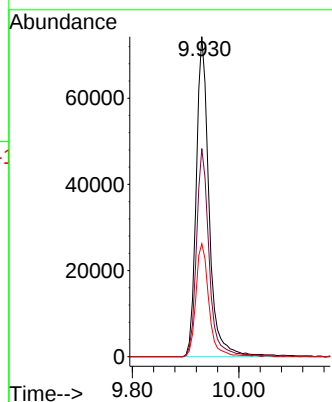
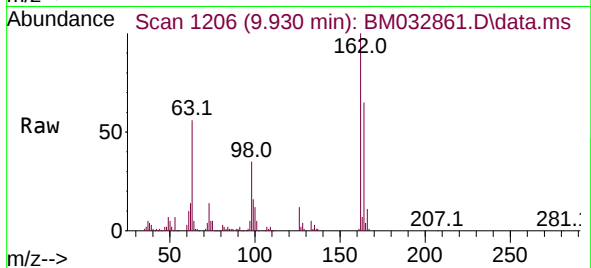
Tgt Ion:162 Resp: 124645

Ion Ratio Lower Upper

162 100

164 65.0 47.4 87.4

98 35.3 18.9 58.9



#31

Naphthalene

Concen: 14.034 ng

RT: 10.319 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

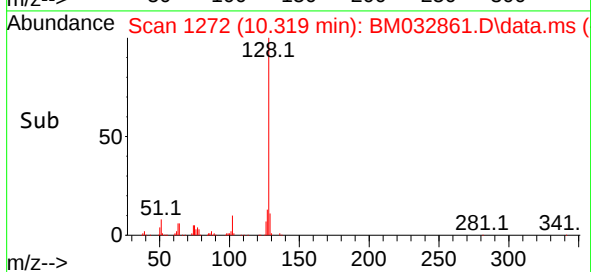
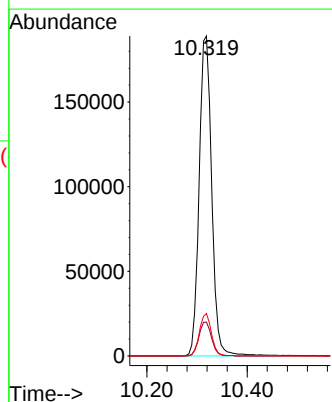
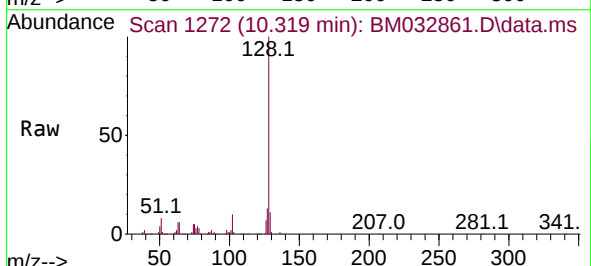
Tgt Ion:128 Resp: 327803

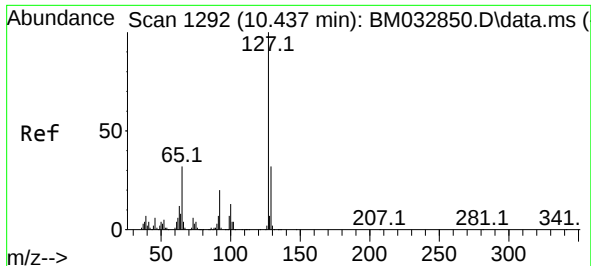
Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

127 13.3 10.4 15.6

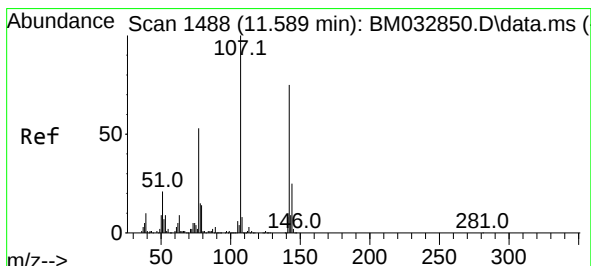
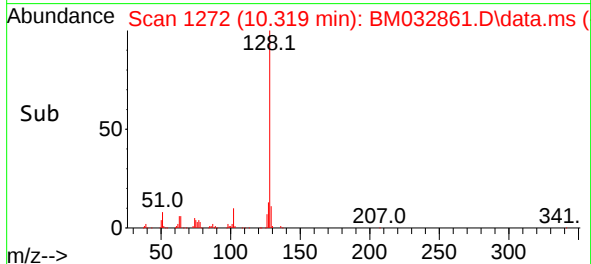
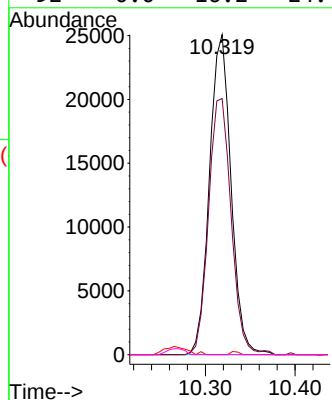
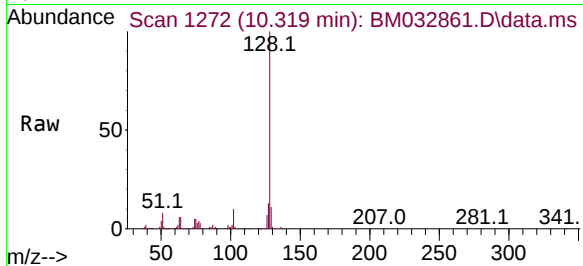




#33  
4-Chloroaniline  
Concen: 4.296 ng  
RT: 10.319 min Scan# 1272  
Delta R.T. -0.118 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

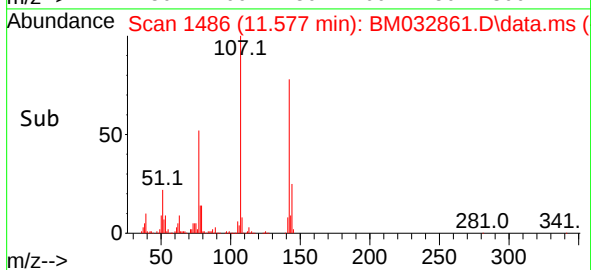
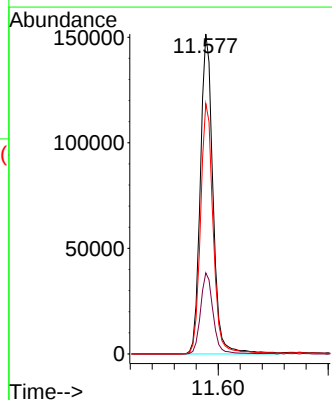
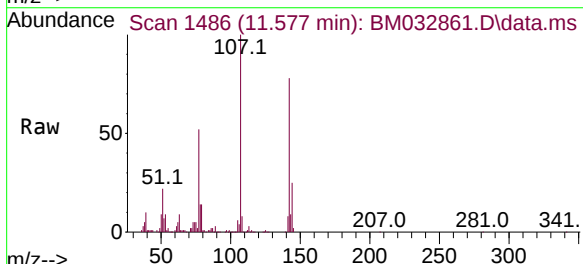
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

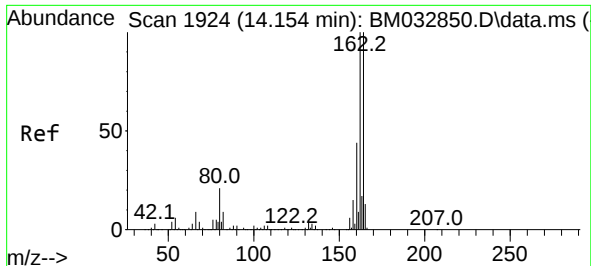
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:127 | Resp: | 41906      |
| Ion Ratio   | Lower | Upper      |
| 127         | 100   |            |
| 129         | 80.1  | 25.6 38.4# |
| 65          | 0.0   | 30.4 45.6# |
| 92          | 0.0   | 16.2 24.4# |



#36  
4-Chloro-3-methylphenol  
Concen: 30.570 ng  
RT: 11.577 min Scan# 1486  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:107 | Resp: | 242687    |
| Ion Ratio   | Lower | Upper     |
| 107         | 100   |           |
| 144         | 25.4  | 19.3 28.9 |
| 142         | 78.3  | 60.5 90.7 |

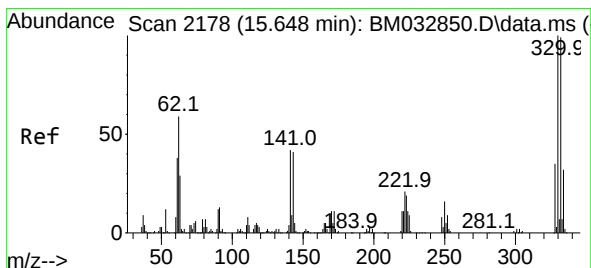
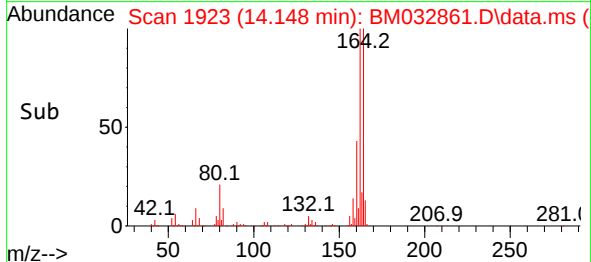
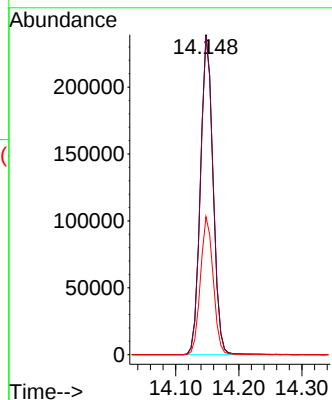
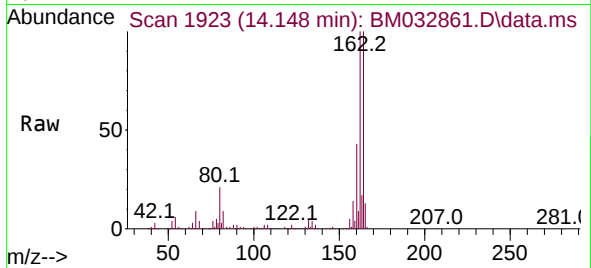




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.148 min Scan# 1923  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

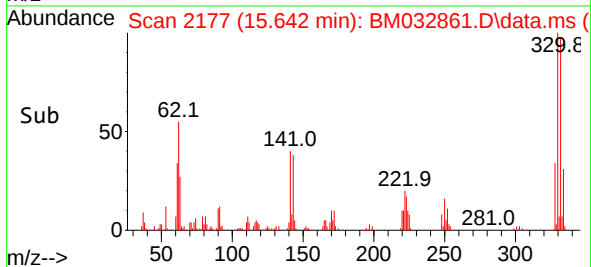
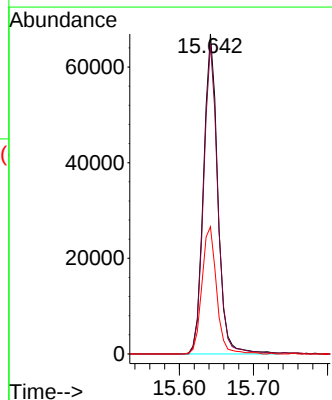
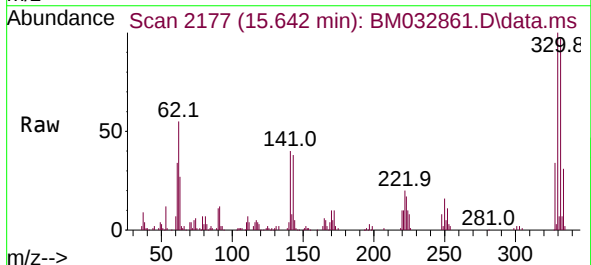
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILDL

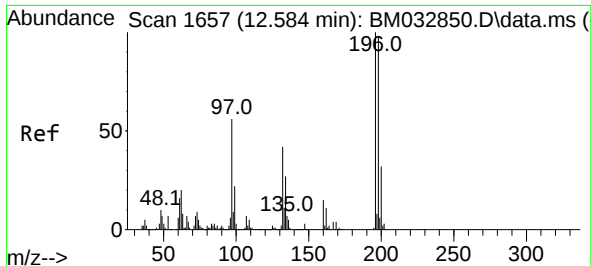
Tgt Ion:164 Resp: 330326  
Ion Ratio Lower Upper  
164 100  
162 99.6 80.6 121.0  
160 43.1 35.1 52.7



#42  
2,4,6-Tribromophenol  
Concen: 24.215 ng  
RT: 15.642 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:330 Resp: 89581  
Ion Ratio Lower Upper  
330 100  
332 96.1 75.7 113.5  
141 40.7 50.7 76.1#

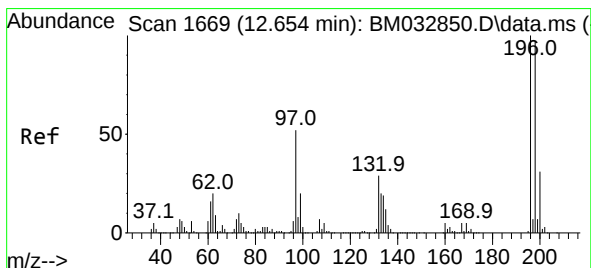
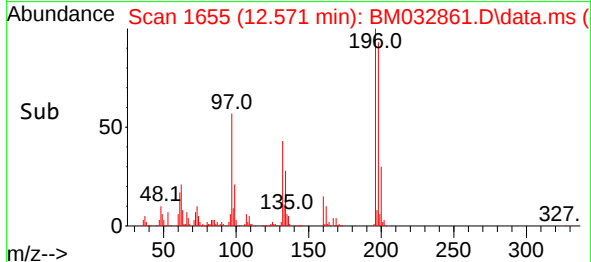
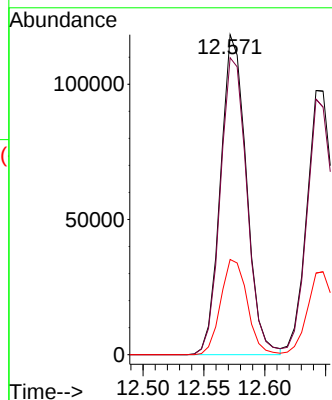
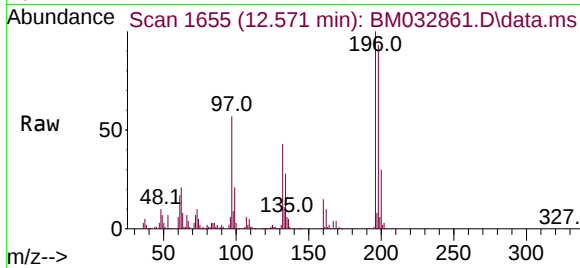




#43  
2,4,6-Trichlorophenol  
Concen: 27.389 ng  
RT: 12.571 min Scan# 1  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

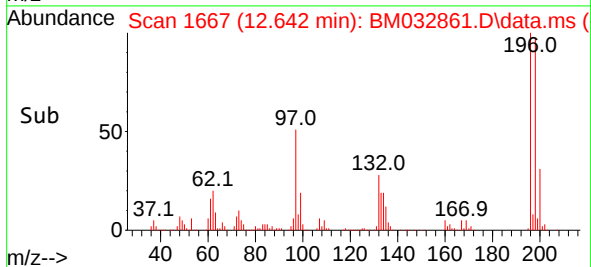
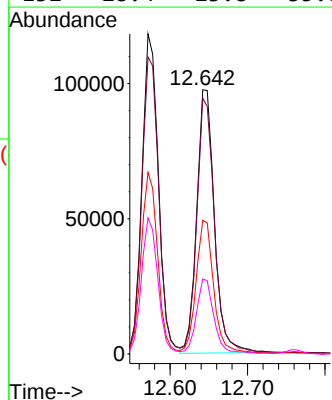
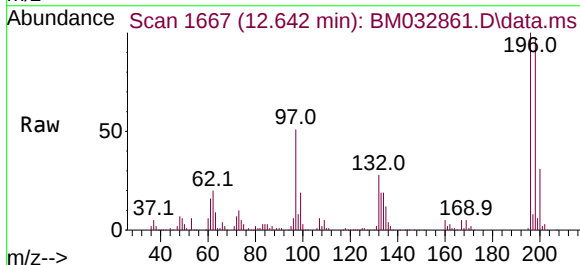
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

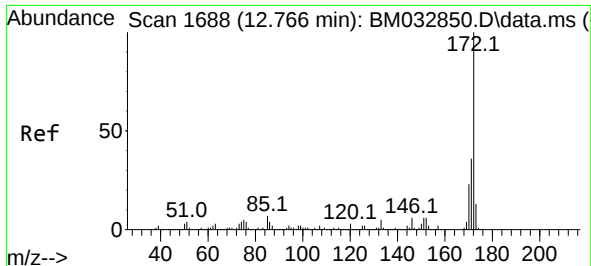
Tgt Ion:196 Resp: 175030  
Ion Ratio Lower Upper  
196 100  
198 92.8 73.6 110.4  
200 29.8 22.1 33.1



#44  
2,4,5-Trichlorophenol  
Concen: 22.016 ng  
RT: 12.642 min Scan# 1667  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:196 Resp: 155487  
Ion Ratio Lower Upper  
196 100  
198 96.7 77.0 115.4  
97 50.6 53.9 80.9#  
132 28.4 23.8 35.8

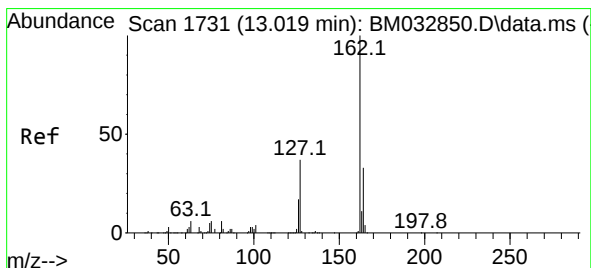
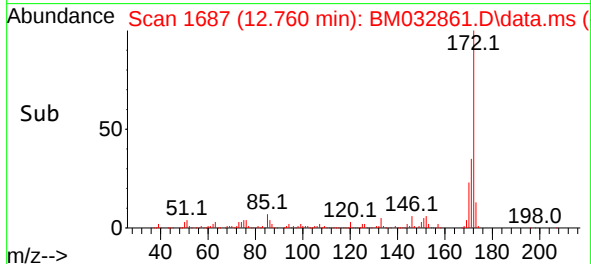
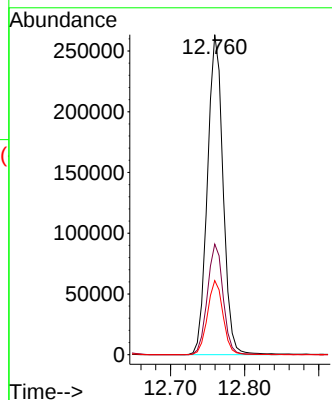
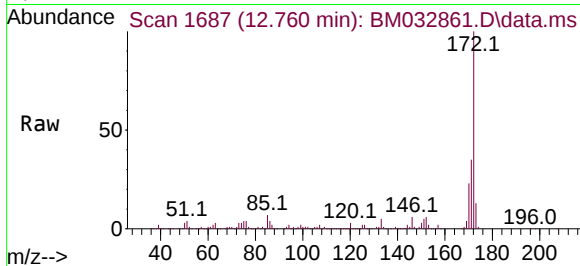




#45  
2-Fluorobiphenyl  
Concen: 18.118 ng  
RT: 12.760 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

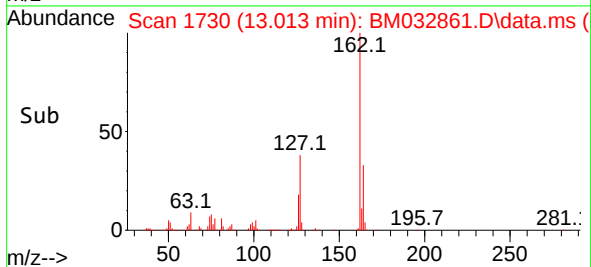
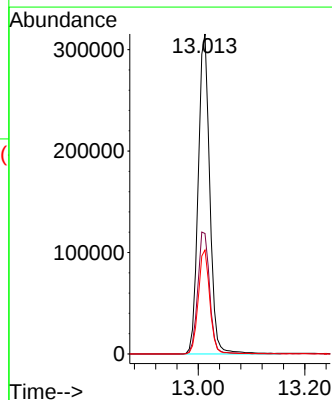
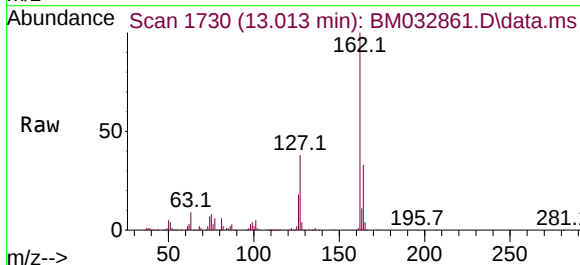
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILDL

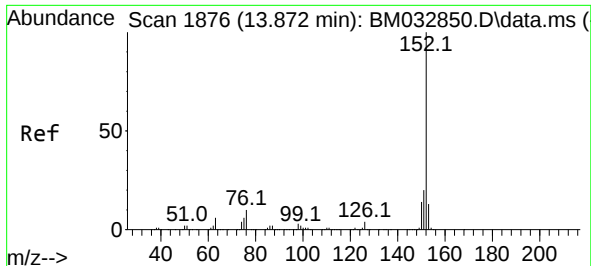
Tgt Ion:172 Resp: 385863  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.1 42.1  
170 23.2 18.6 27.8



#47  
2-Chloronaphthalene  
Concen: 25.878 ng  
RT: 13.013 min Scan# 1730  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:162 Resp: 474256  
Ion Ratio Lower Upper  
162 100  
127 37.6 33.2 49.8  
164 32.5 25.7 38.5

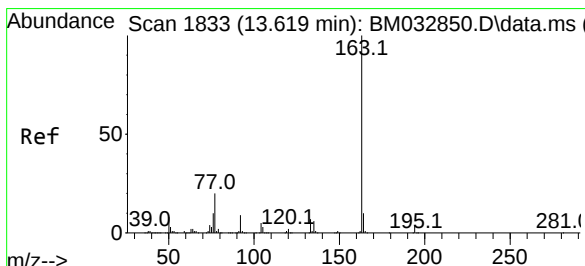
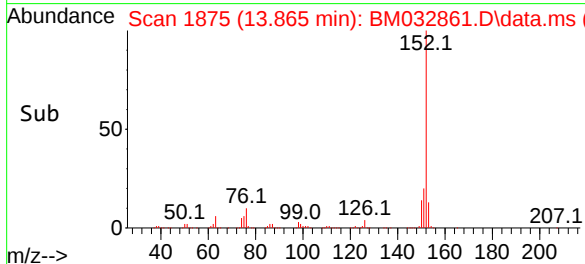
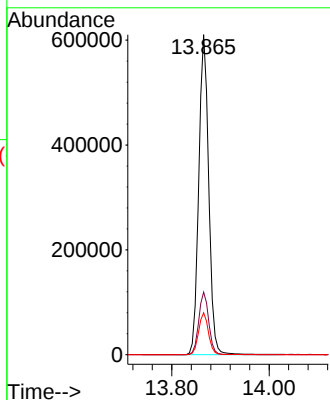
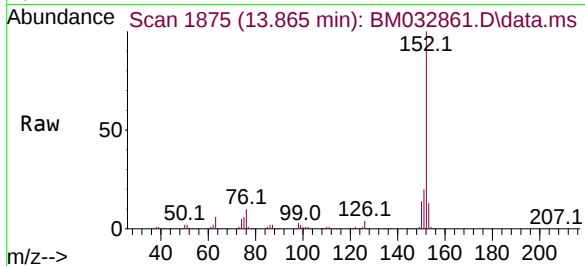




#49  
Acenaphthylene  
Concen: 29.521 ng  
RT: 13.865 min Scan# 1876  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

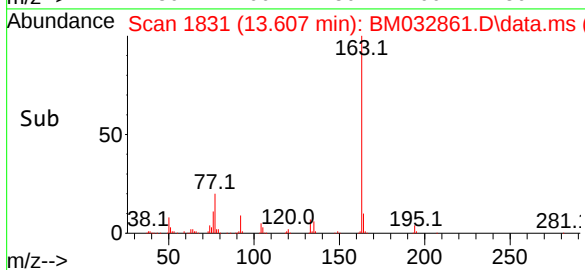
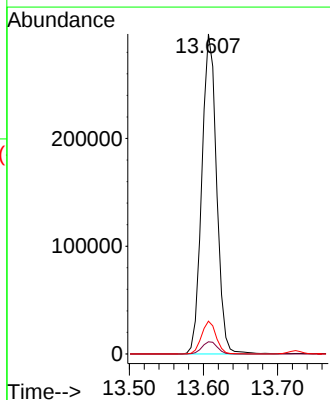
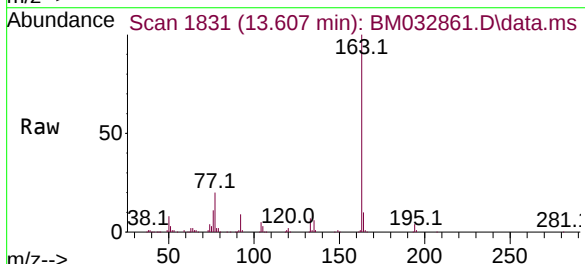
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

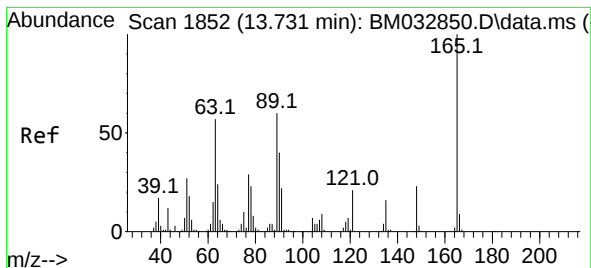
Tgt Ion:152 Resp: 868035  
Ion Ratio Lower Upper  
152 100  
151 19.5 15.7 23.5  
153 13.1 10.6 15.8



#50  
Dimethylphthalate  
Concen: 17.147 ng  
RT: 13.607 min Scan# 1831  
Delta R.T. -0.012 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:163 Resp: 412115  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.9 4.3  
164 10.3 8.0 12.0

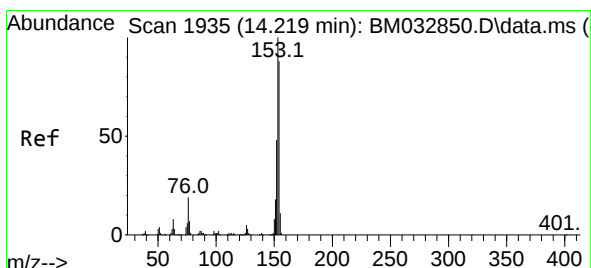
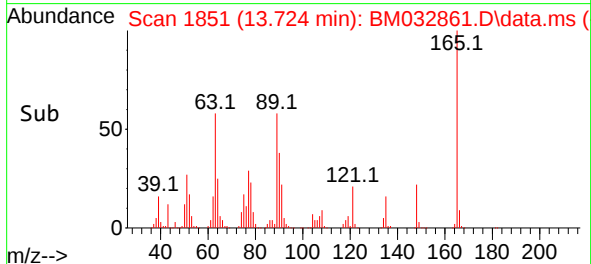
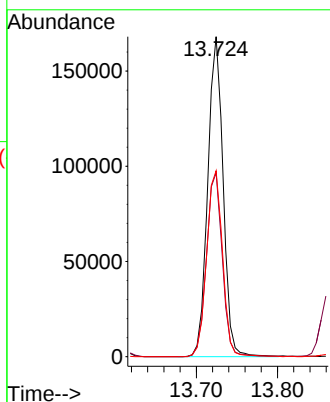
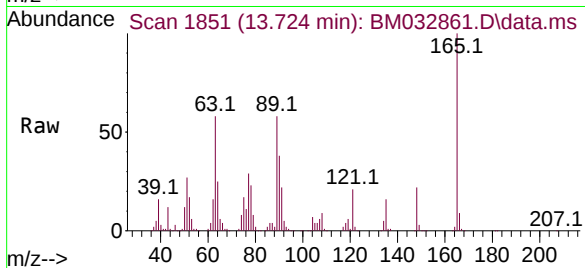




#51  
2,6-Dinitrotoluene  
Concen: 44.910 ng  
RT: 13.724 min Scan# 1851  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

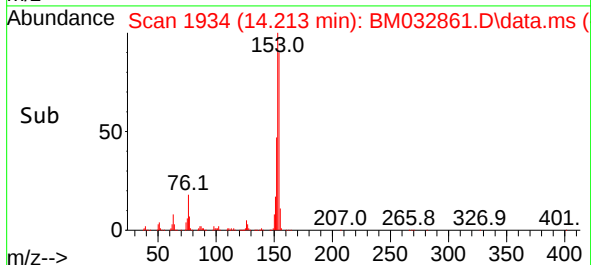
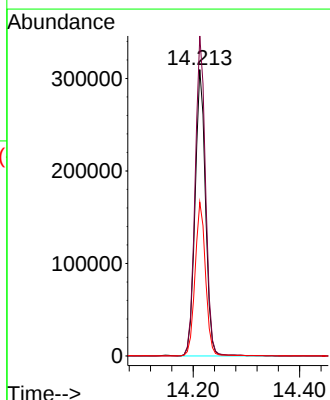
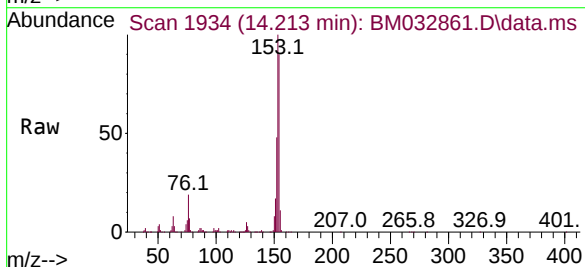
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

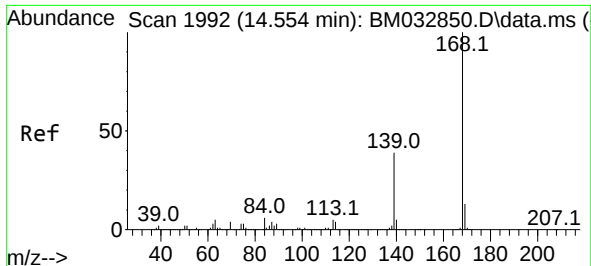
Tgt Ion:165 Resp: 220622  
Ion Ratio Lower Upper  
165 100  
63 57.5 72.4 108.6#  
89 58.1 69.3 103.9#



#52  
Acenaphthene  
Concen: 24.033 ng  
RT: 14.213 min Scan# 1934  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:154 Resp: 420935  
Ion Ratio Lower Upper  
154 100  
153 111.7 92.4 138.6  
152 53.7 43.7 65.5

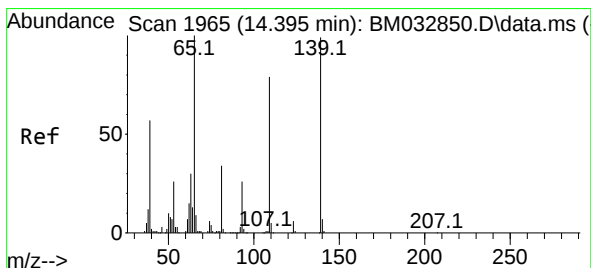
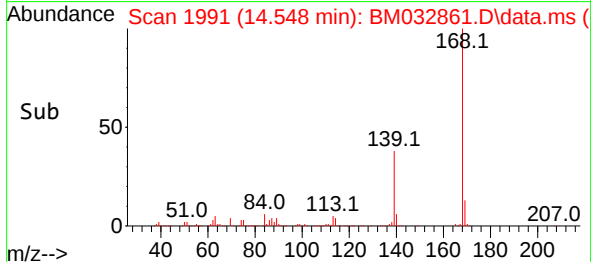
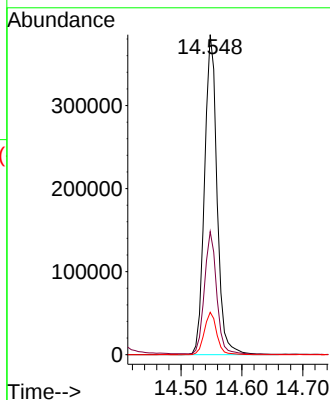
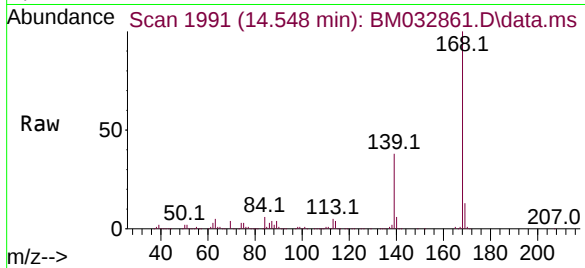




#55  
Dibenzenofuran  
Concen: 18.785 ng  
RT: 14.548 min Scan# 1992  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

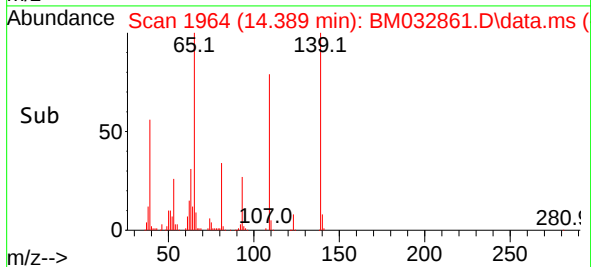
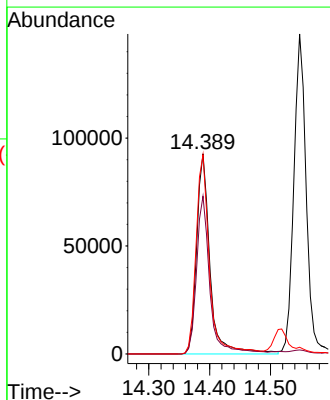
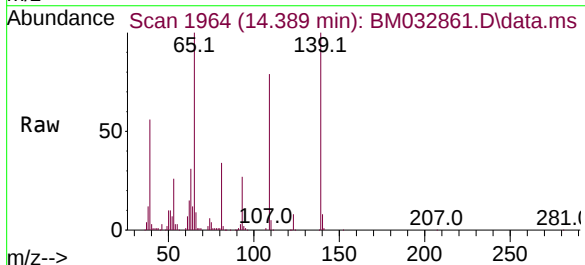
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILDL

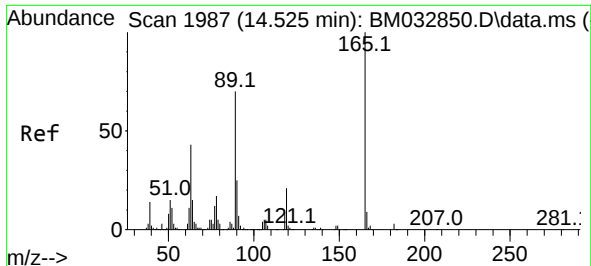
Tgt Ion:168 Resp: 552348  
Ion Ratio Lower Upper  
168 100  
139 38.5 35.0 52.4  
169 13.3 10.8 16.2



#56  
4-Nitrophenol  
Concen: 32.564 ng  
RT: 14.389 min Scan# 1964  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

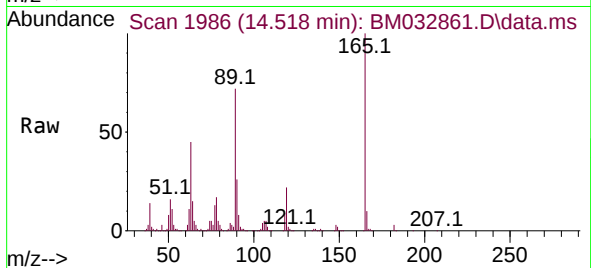
Tgt Ion:139 Resp: 141864  
Ion Ratio Lower Upper  
139 100  
109 78.8 92.3 132.3#  
65 99.5 110.5 150.5#



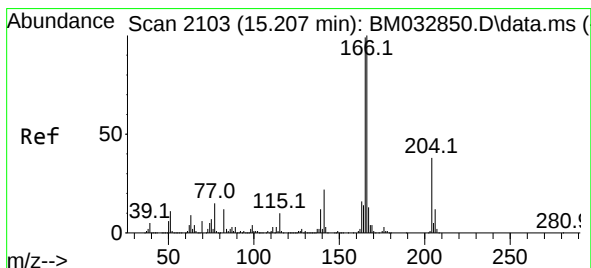
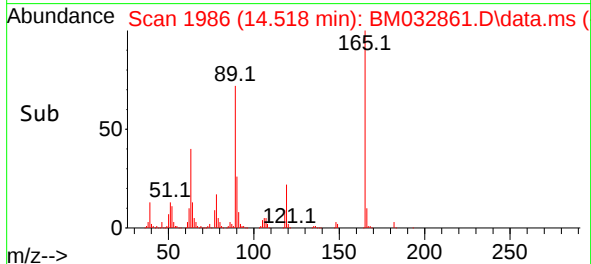
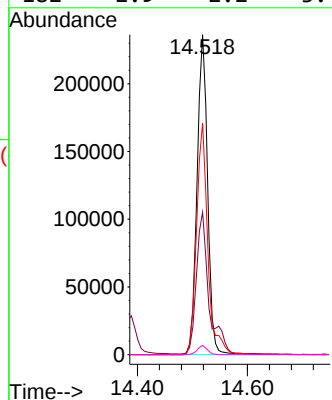


#57  
2,4-Dinitrotoluene  
Concen: 47.398 ng  
RT: 14.518 min Scan# 1986  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

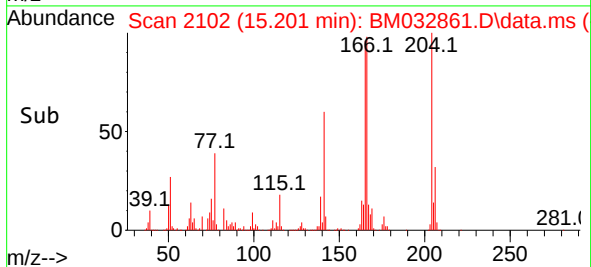
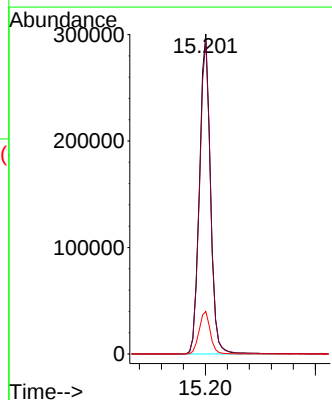
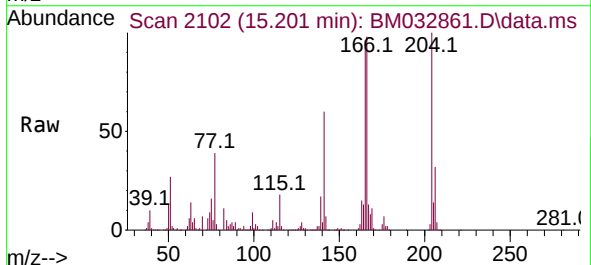


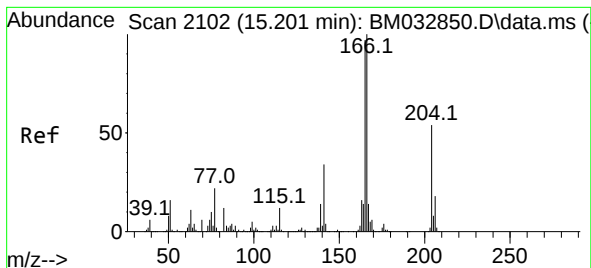
Tgt Ion:165 Resp: 315419  
Ion Ratio Lower Upper  
165 100  
63 44.5 70.3 105.5#  
89 72.4 83.1 124.7#  
182 2.9 2.2 3.4



#58  
Fluorene  
Concen: 18.905 ng  
RT: 15.201 min Scan# 2102  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:166 Resp: 416753  
Ion Ratio Lower Upper  
166 100  
165 97.8 79.3 118.9  
167 13.3 10.6 16.0

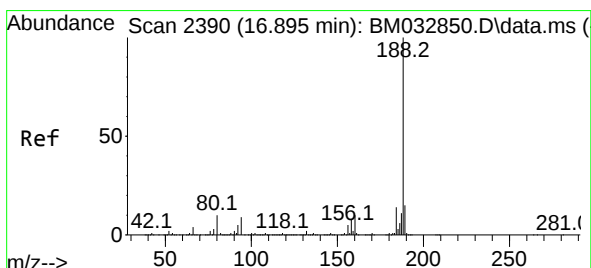
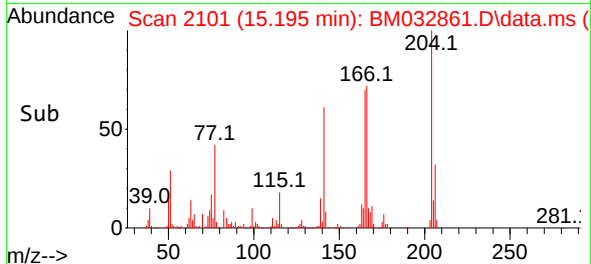
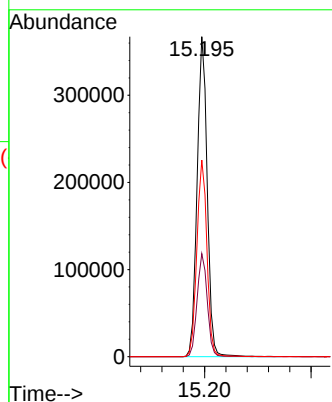
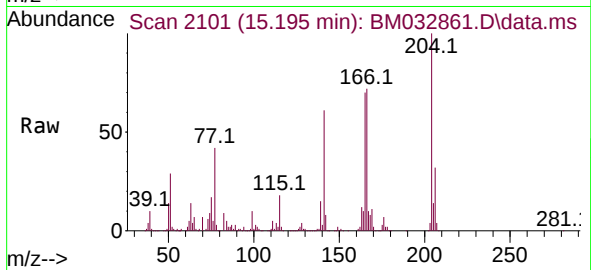




#61  
4-Chlorophenyl-phenylether  
Concen: 41.508 ng  
RT: 15.195 min Scan# 2102  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

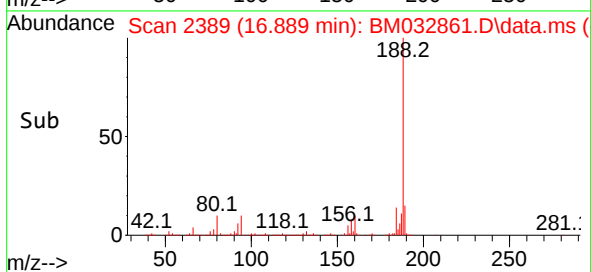
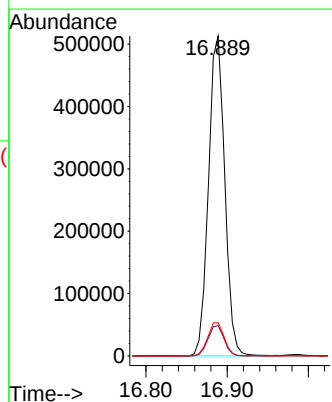
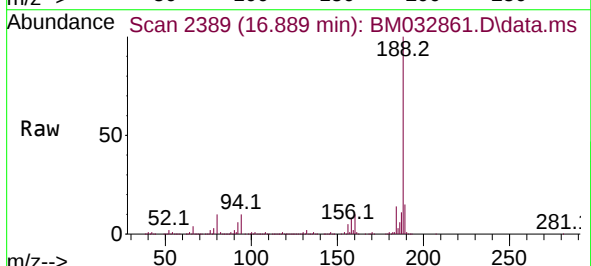
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

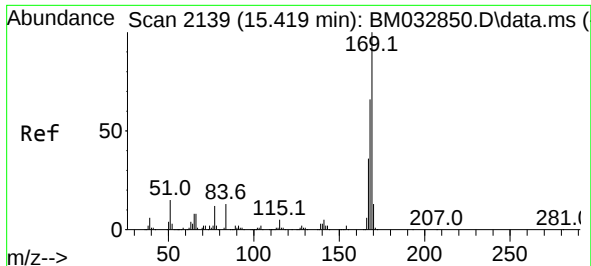
Tgt Ion:204 Resp: 483770  
Ion Ratio Lower Upper  
204 100  
206 32.2 26.7 40.1  
141 61.4 55.8 83.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.889 min Scan# 2389  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:188 Resp: 713052  
Ion Ratio Lower Upper  
188 100  
94 9.5 6.3 9.5#  
80 10.4 7.3 10.9

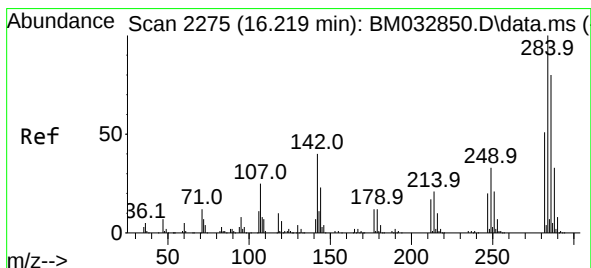
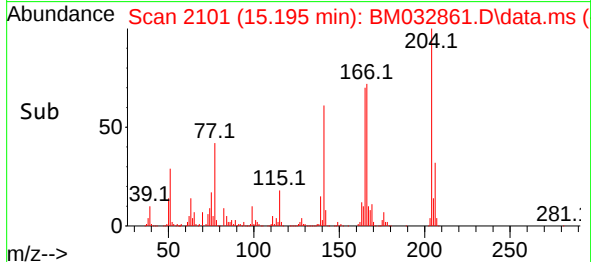
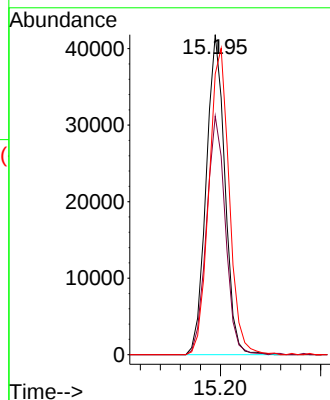
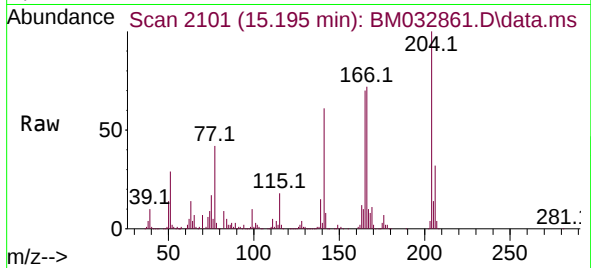




#66  
n-Nitrosodiphenylamine  
Concen: 2.602 ng  
RT: 15.195 min Scan# 2101  
Delta R.T. -0.224 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

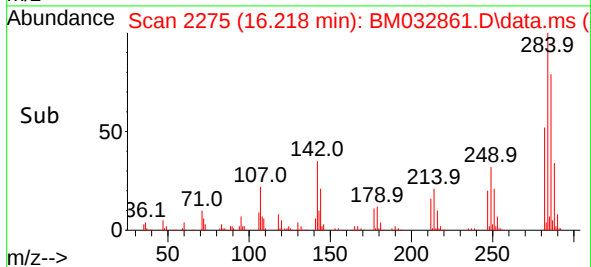
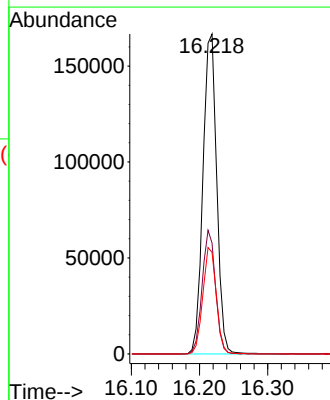
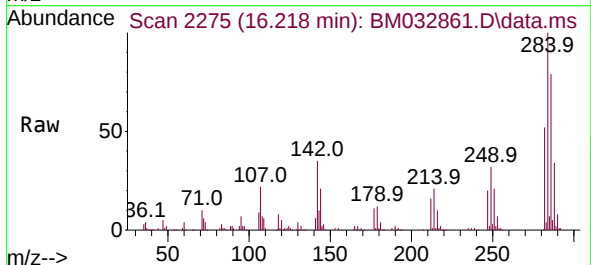
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

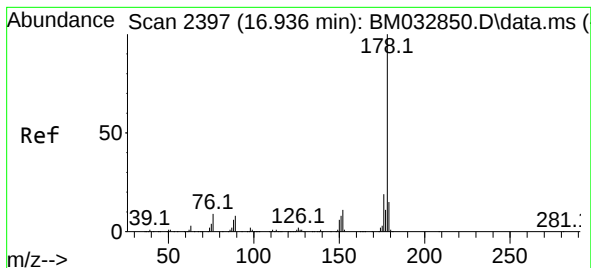
Tgt Ion:169 Resp: 54383  
Ion Ratio Lower Upper  
169 100  
168 74.6 55.0 82.4  
167 87.7 29.8 44.8#



#68  
Hexachlorobenzene  
Concen: 29.178 ng  
RT: 16.218 min Scan# 2275  
Delta R.T. -0.000 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:284 Resp: 234347  
Ion Ratio Lower Upper  
284 100  
142 34.6 43.0 64.6#  
249 31.7 27.6 41.4





#71

Phenanthrene

Concen: 34.720 ng

RT: 16.930 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

Instrument :

BNA\_M

ClientSampleId :

PT-BNA-SOILDL

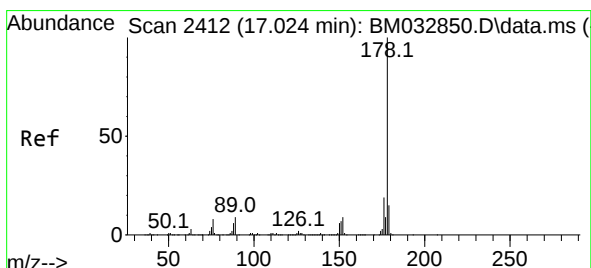
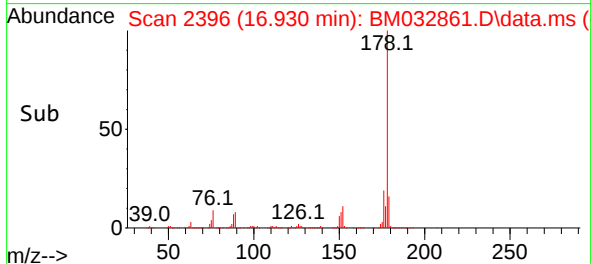
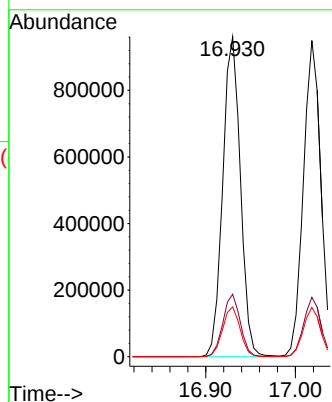
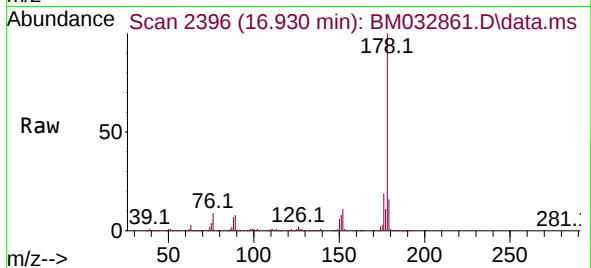
Tgt Ion:178 Resp: 1312725

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.6 12.4 18.6



#72

Anthracene

Concen: 35.268 ng

RT: 17.018 min Scan# 2411

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

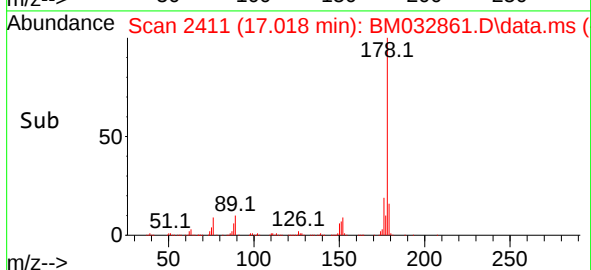
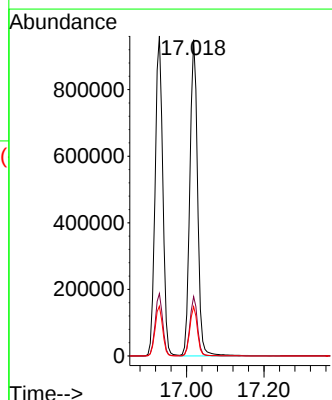
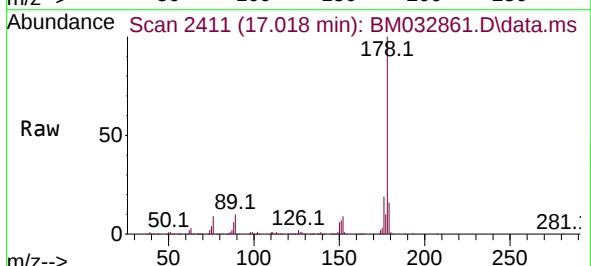
Tgt Ion:178 Resp: 1316123

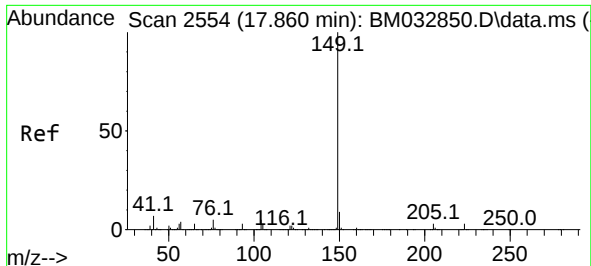
Ion Ratio Lower Upper

178 100

176 18.8 14.8 22.2

179 15.6 12.3 18.5

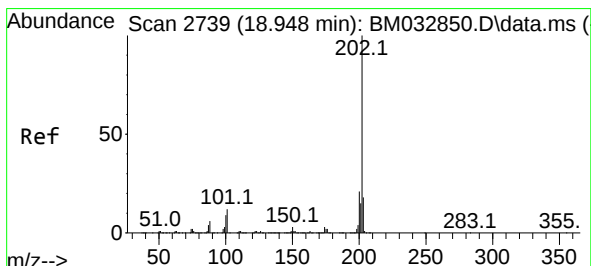
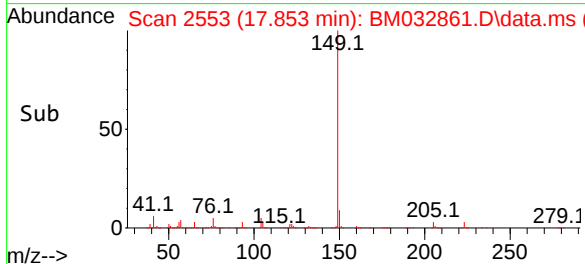
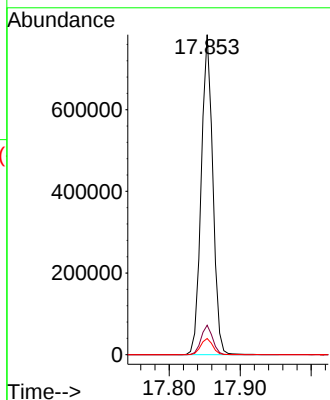
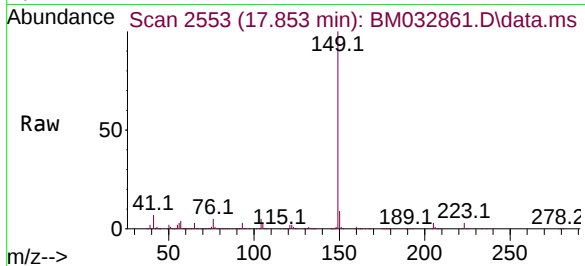




#74  
Di-n-butylphthalate  
Concen: 21.856 ng  
RT: 17.853 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

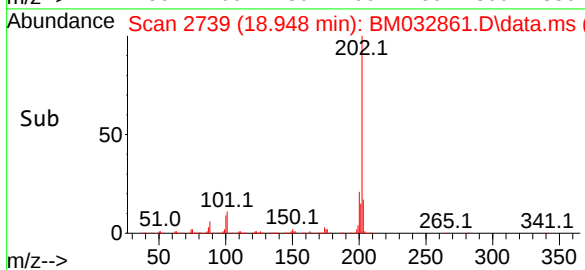
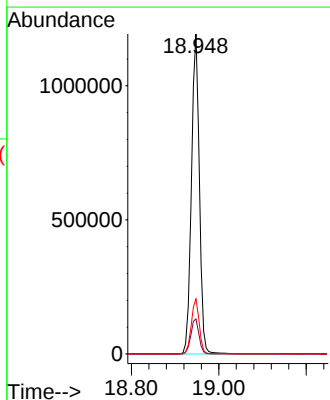
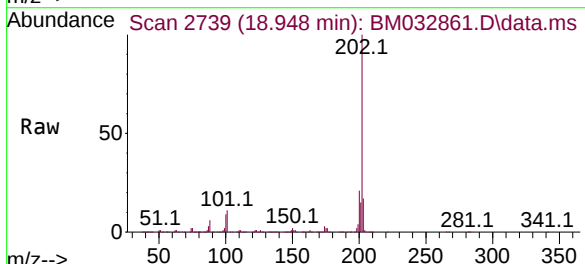
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILDL

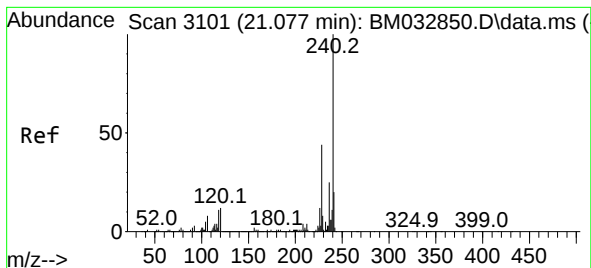
Tgt Ion:149 Resp: 891333  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.3 10.9  
104 5.0 5.6 8.4#



#75  
Fluoranthene  
Concen: 34.757 ng  
RT: 18.948 min Scan# 2739  
Delta R.T. -0.000 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:202 Resp: 1507703  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 29.9  
203 17.2 0.0 36.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.071 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

Instrument :

BNA\_M

ClientSampleId :

PT-BNA-SOILDL

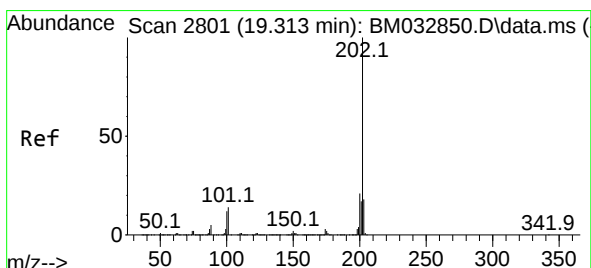
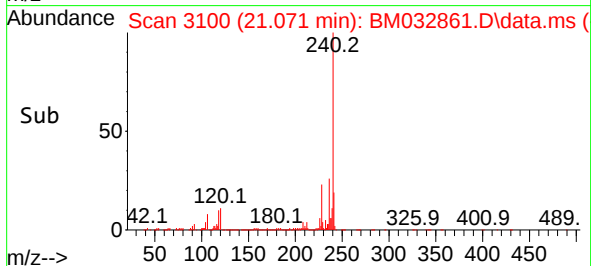
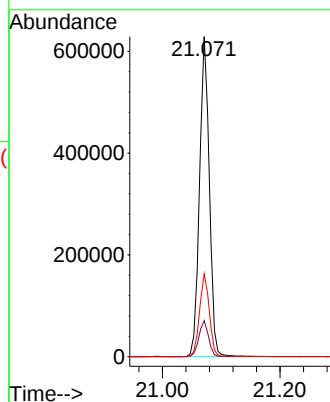
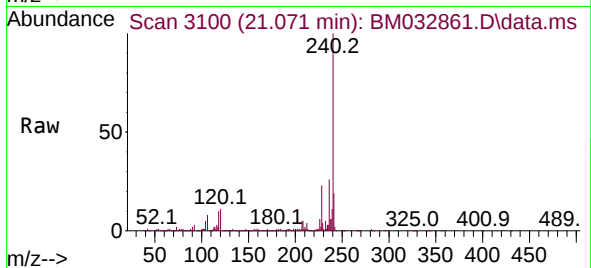
Tgt Ion:240 Resp: 726289

Ion Ratio Lower Upper

240 100

120 11.3 7.8 11.6

236 25.9 20.9 31.3



#78

Pyrene

Concen: 16.056 ng

RT: 19.306 min Scan# 2800

Delta R.T. -0.006 min

Lab File: BM032861.D

Acq: 03 Nov 2021 14:56

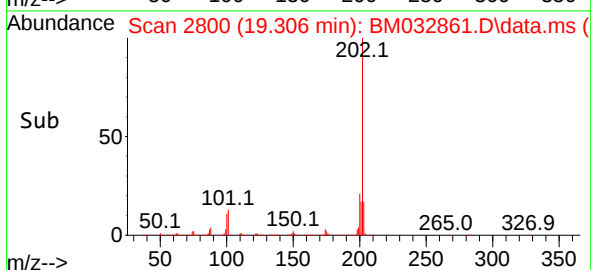
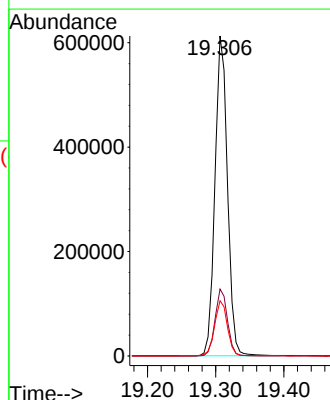
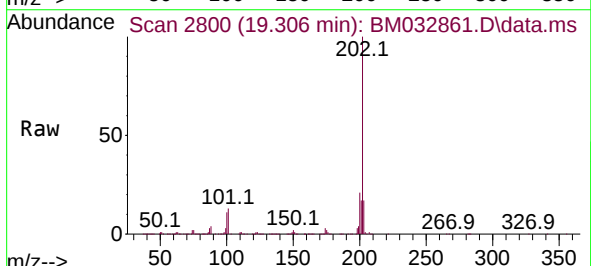
Tgt Ion:202 Resp: 781250

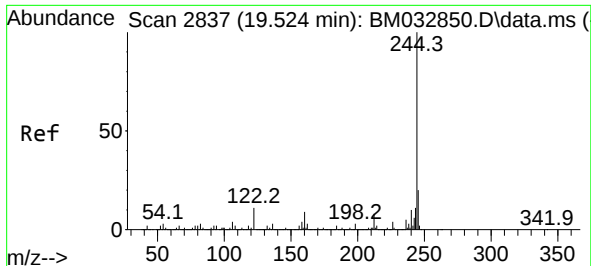
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 17.2 13.7 20.5

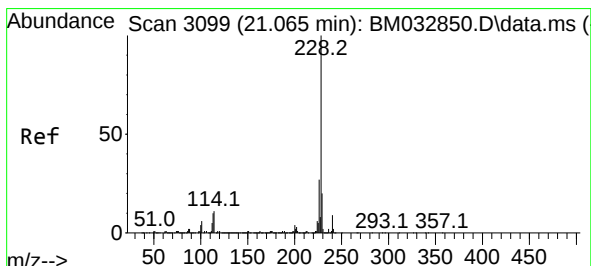
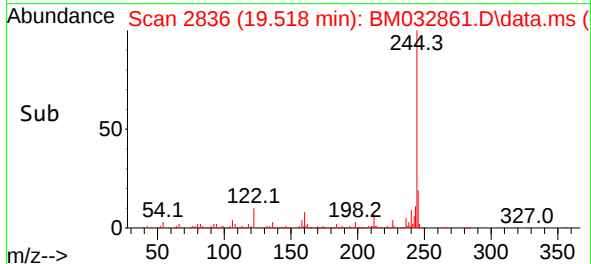
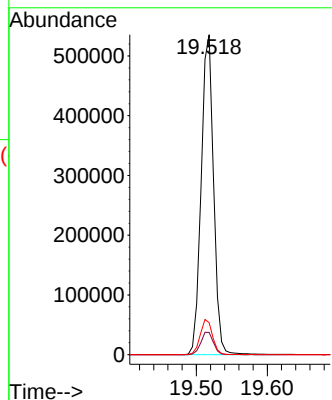
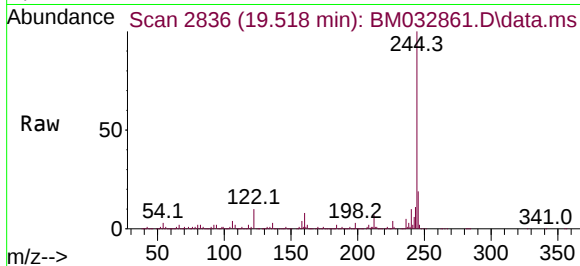




#79  
 Terphenyl-d14  
 Concen: 19.586 ng  
 RT: 19.518 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BM032861.D  
 Acq: 03 Nov 2021 14:56

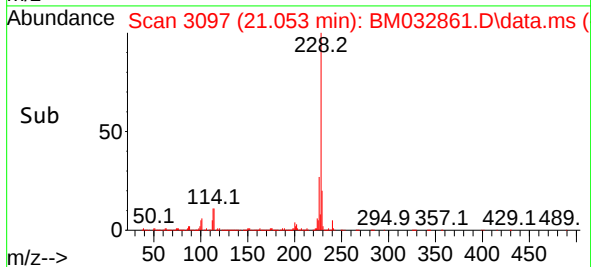
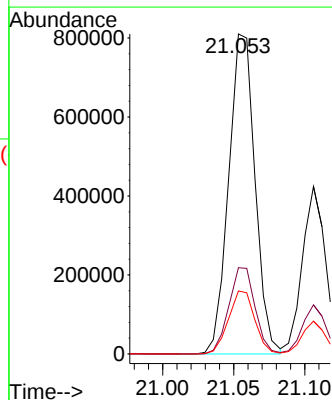
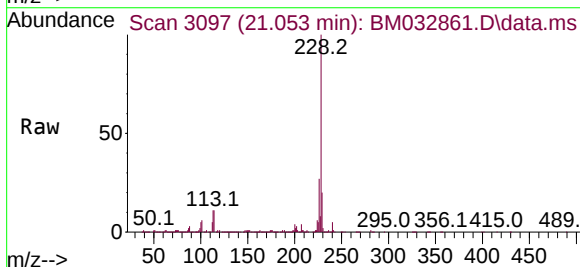
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-BNA-SOILD

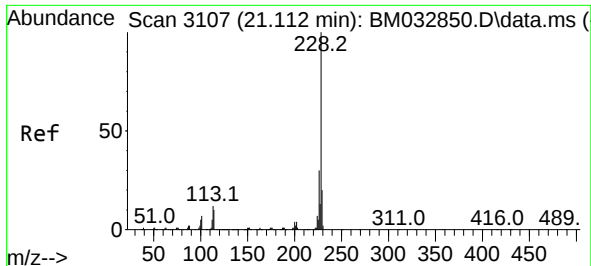
Tgt Ion:244 Resp: 651560  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 6.5 9.7  
 122 10.0 8.7 13.1



#81  
 Benzo(a)anthracene  
 Concen: 22.607 ng  
 RT: 21.053 min Scan# 3097  
 Delta R.T. -0.012 min  
 Lab File: BM032861.D  
 Acq: 03 Nov 2021 14:56

Tgt Ion:228 Resp: 1047539  
 Ion Ratio Lower Upper  
 228 100  
 226 26.9 21.4 32.2  
 229 19.7 15.3 22.9

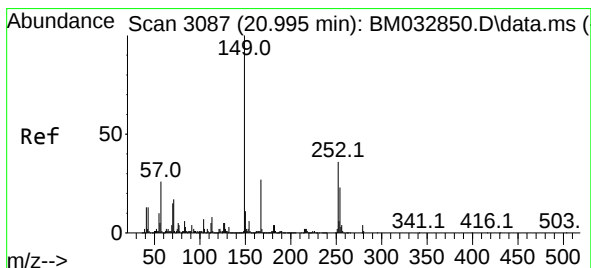
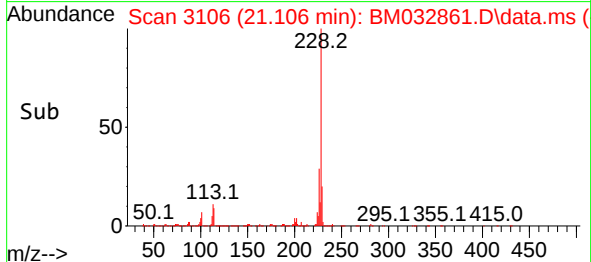
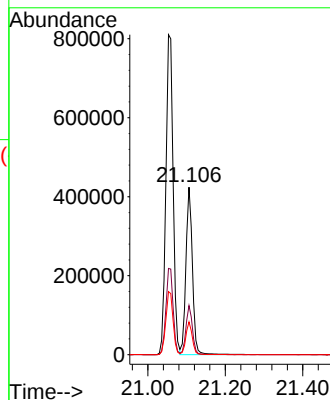
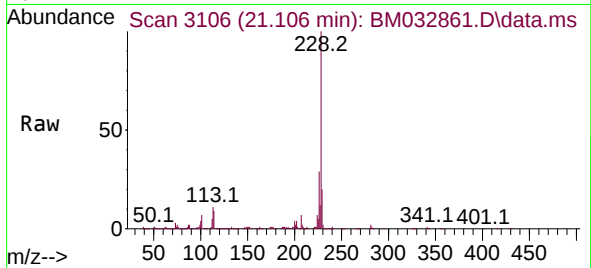




#83  
Chrysene  
Concen: 10.906 ng  
RT: 21.106 min Scan# 3107  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

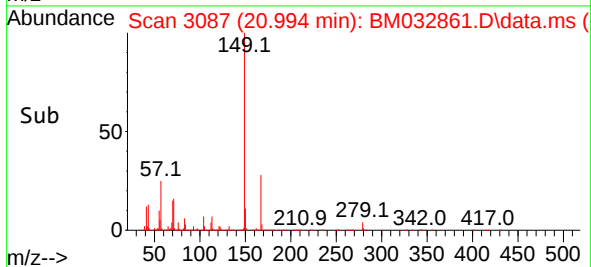
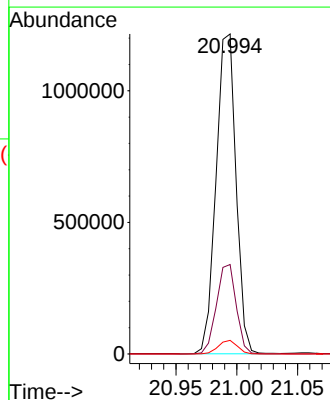
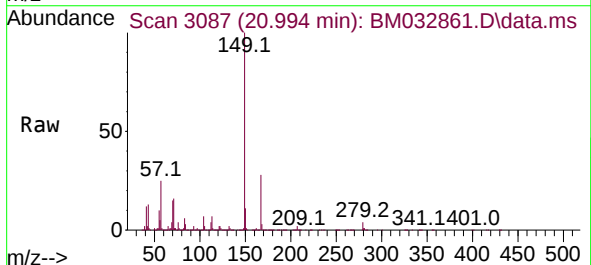
Instrument :  
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ClientSampleId :  
PT-BNA-SOILDL

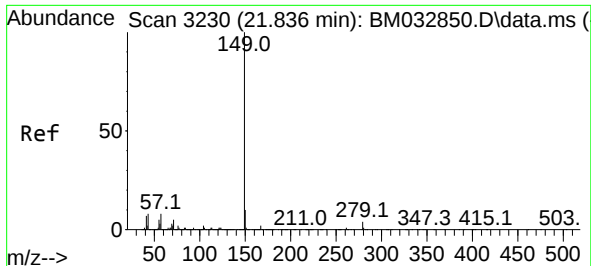
Tgt Ion:228 Resp: 496486  
Ion Ratio Lower Upper  
228 100  
226 29.4 24.0 36.0  
229 19.6 16.0 24.0



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 53.093 ng  
RT: 20.994 min Scan# 3087  
Delta R.T. -0.000 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:149 Resp: 1385095  
Ion Ratio Lower Upper  
149 100  
167 28.0 19.7 29.5  
279 4.3 2.6 4.0#

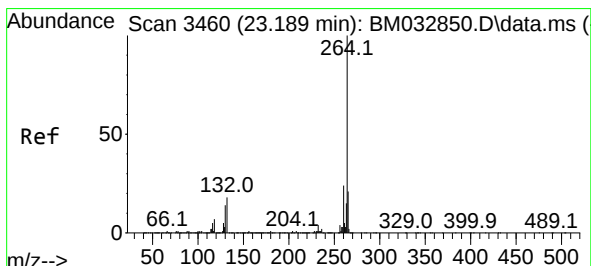
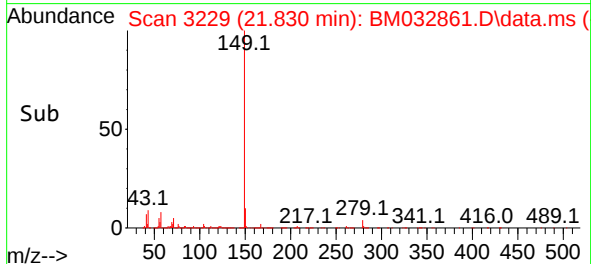
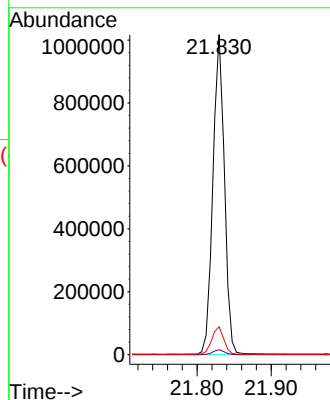
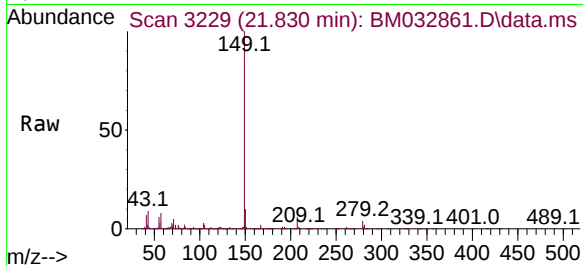




#85  
Di-n-octyl phthalate  
Concen: 23.450 ng  
RT: 21.830 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

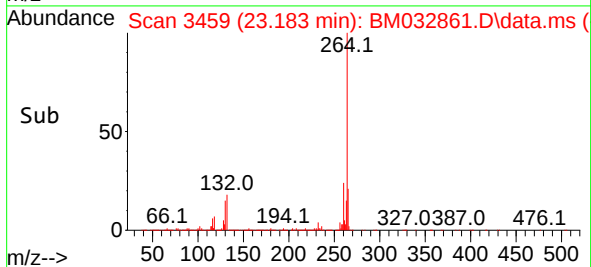
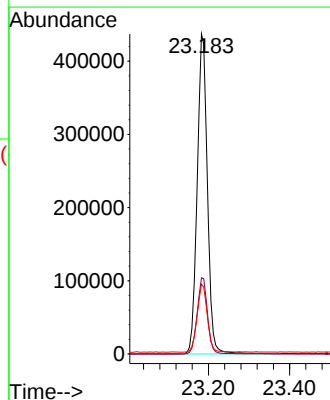
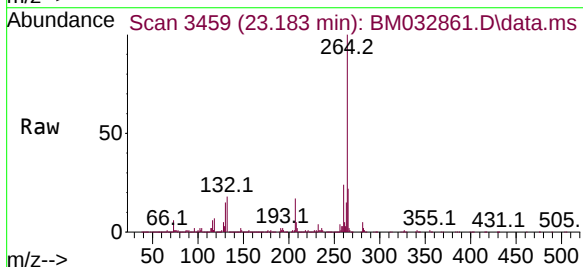
Instrument :  
BNA\_M  
ClientSampleId :  
PT-BNA-SOILD

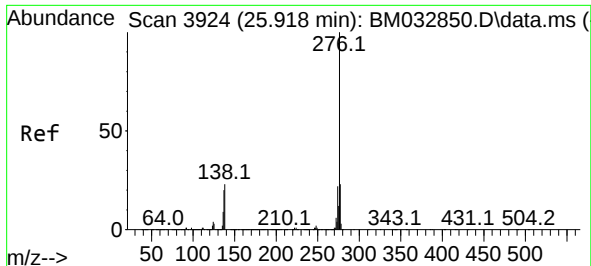
Tgt Ion:149 Resp: 1091026  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.0 10.4 15.6#



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.183 min Scan# 3459  
Delta R.T. -0.006 min  
Lab File: BM032861.D  
Acq: 03 Nov 2021 14:56

Tgt Ion:264 Resp: 769190  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.3 28.9  
265 21.8 18.3 27.5





#92  
 Benzo(g,h,i)perylene  
 Concen: 22.574 ng  
 RT: 25.900 min Scan# 3921  
 Delta R.T. -0.018 min  
 Lab File: BM032861.D  
 Acq: 03 Nov 2021 14:56

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-BNA-SOILDL

Tgt Ion:276 Resp: 888858  
 Ion Ratio Lower Upper  
 276 100  
 277 23.6 19.4 29.0  
 138 23.3 14.6 22.0#

