

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030722\  
 Data File : BF127222.D  
 Acq On : 07 Mar 2022 14:33  
 Operator : CG\JU  
 Sample : N1731-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VACLOT-TOPSOIL-GRILLO-01A

Quant Time: Mar 07 15:00:15 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 05 02:16:58 2022  
 Response via : Initial Calibration

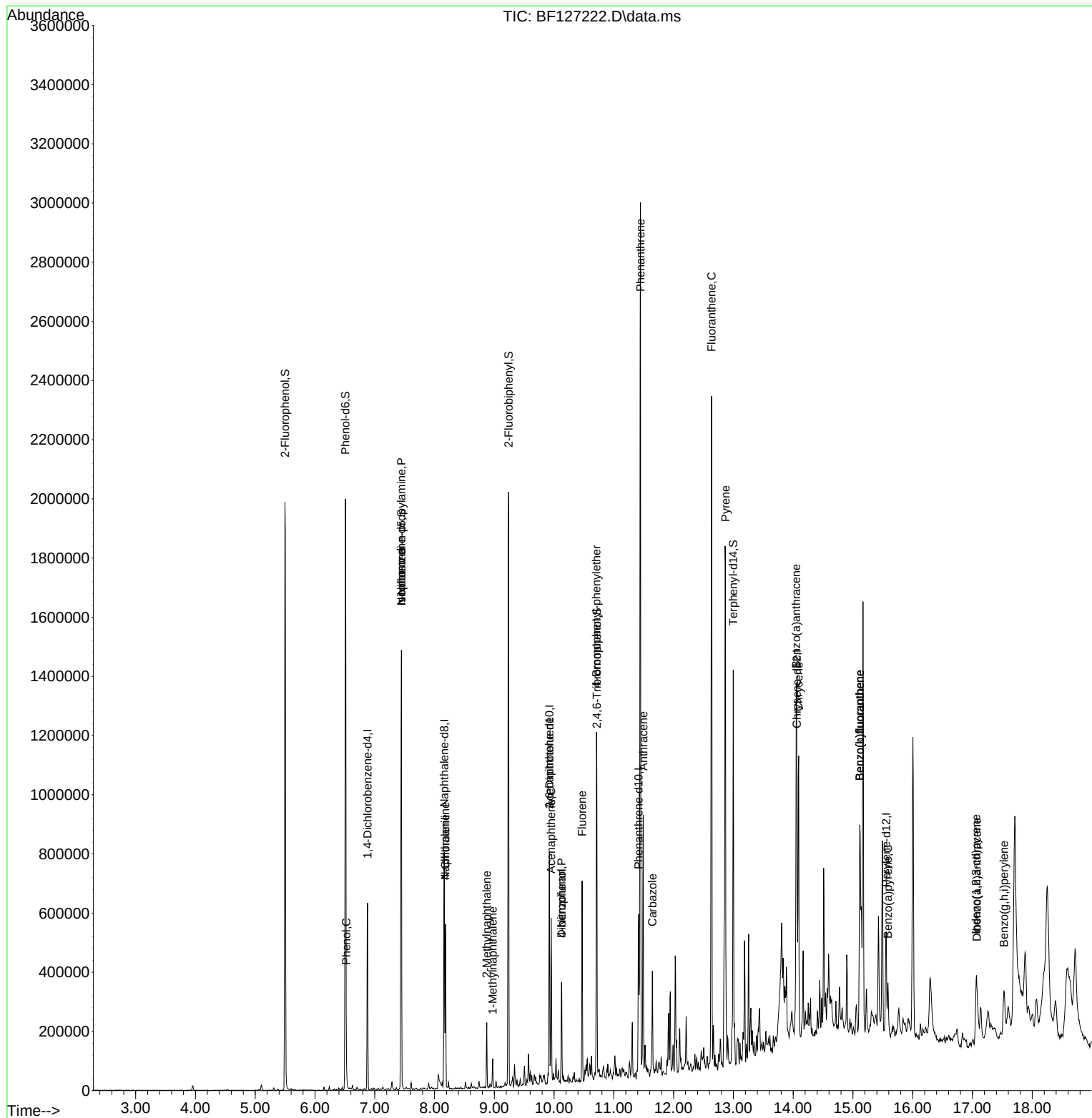
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 87291    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 313748   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 134994   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 200496   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.063 | 240  | 134447   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.557 | 264  | 124580   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 529388   | 93.733 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 672039   | 88.184 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 455098   | 65.473 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 133077   | 85.620 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 566517   | 61.781 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 396790   | 43.385 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 10) Phenol                    | 6.522  | 94   | 18347    | 2.383  | ng    | # 69     |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 61714    | 12.567 | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 454139   | 39.483 | ng    | # 69     |
| 31) Naphthalene               | 8.181  | 128  | 220962   | 13.491 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.181  | 127  | 29035    | 4.504  | ng    | # 33     |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 48032    | 4.520  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 22173    | 2.179  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.922  | 165  | 19007    | 9.682  | ng    | # 23     |
| 52) Acenaphthene              | 9.951  | 154  | 94700    | 11.303 | ng    | 95       |
| 55) Dibenzofuran              | 10.128 | 168  | 118182   | 10.258 | ng    | 94       |
| 56) 4-Nitrophenol             | 10.128 | 139  | 54561    | 30.784 | ng    | # 8      |
| 58) Fluorene                  | 10.469 | 166  | 153217   | 17.073 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 7543     | 3.367  | ng    | # 1      |
| 71) Phenanthrene              | 11.445 | 178  | 1062266  | 94.658 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 291978   | 26.135 | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 112685   | 10.999 | ng    | 99       |
| 75) Fluoranthene              | 12.633 | 202  | 889005   | 83.432 | ng    | 95       |
| 78) Pyrene                    | 12.868 | 202  | 764887   | 65.484 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 426423   | 47.046 | ng    | 98       |
| 83) Chrysene                  | 14.092 | 228  | 363464   | 42.643 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 140835   | 17.240 | ng    | # 81     |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 538620   | 64.372 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 538620   | 66.740 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.586 | 252  | 78487    | 12.009 | ng    | 94       |
| 91) Dibenzo(a,h)anthracene    | 17.074 | 278  | 38439    | 5.690  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 127192   | 19.096 | ng    | # 84     |
| -----                         |        |      |          |        |       |          |

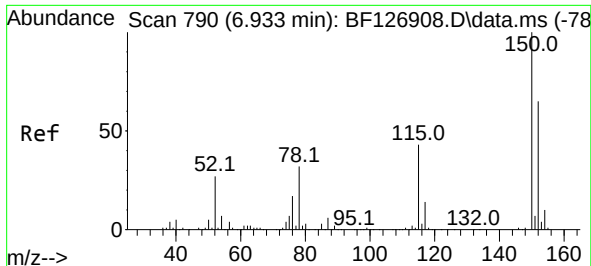
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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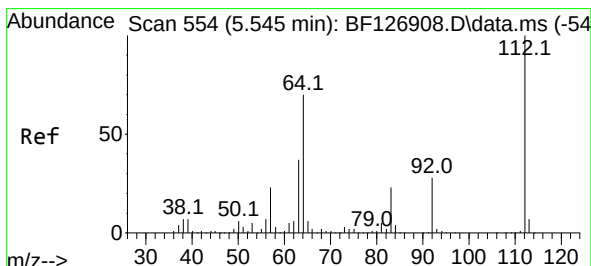
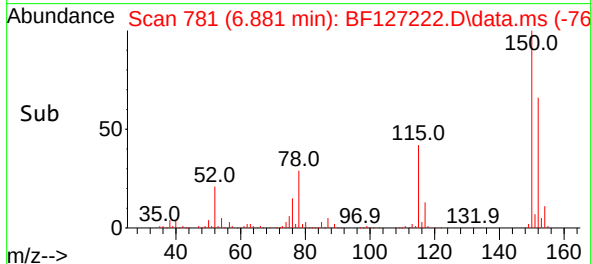
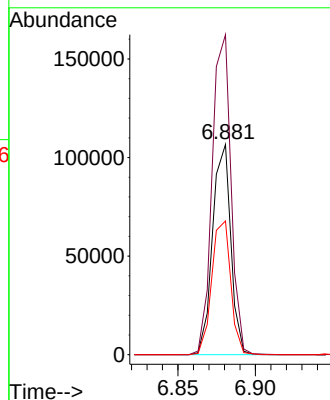
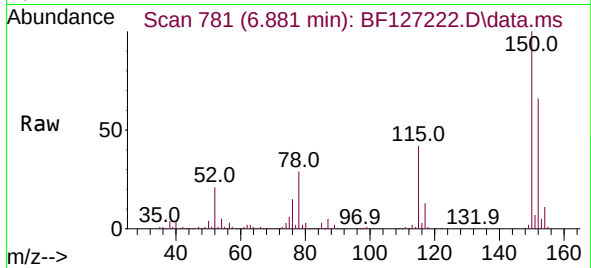




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.881 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

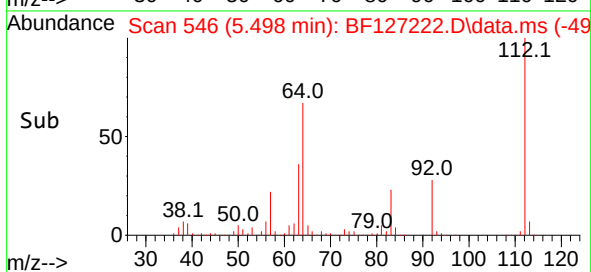
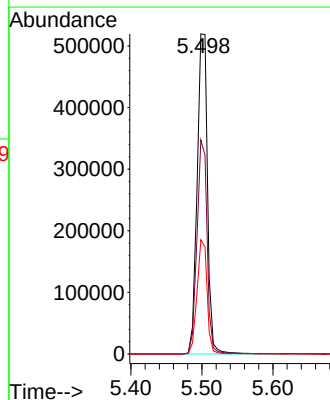
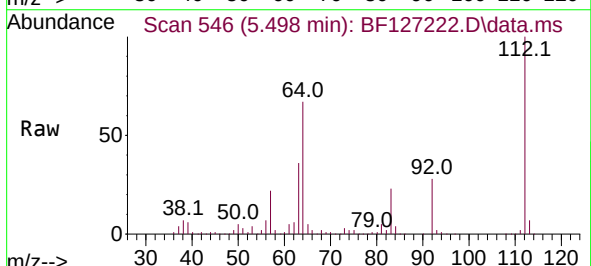
Instrument :  
BNA\_F  
ClientSampleId :  
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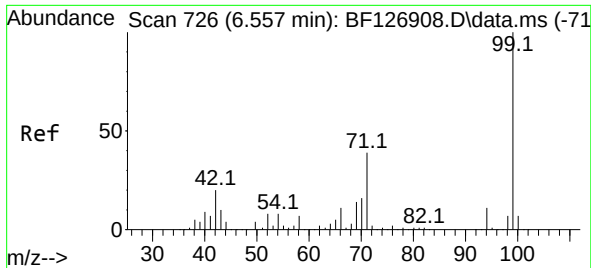
Tgt Ion:152 Resp: 87291  
Ion Ratio Lower Upper  
152 100  
150 152.2 128.1 192.1  
115 63.6 56.7 85.1



#5  
2-Fluorophenol  
Concen: 93.733 ng  
RT: 5.498 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:112 Resp: 529388  
Ion Ratio Lower Upper  
112 100  
64 66.9 49.5 74.3  
63 35.7 23.9 35.9

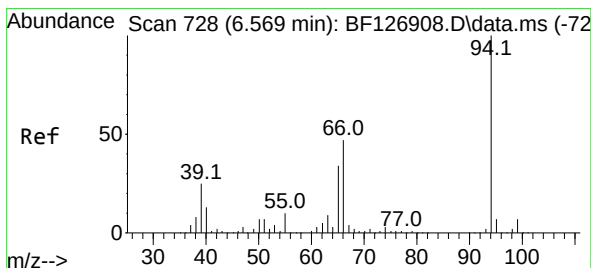
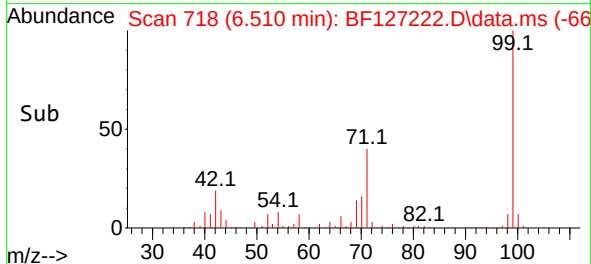
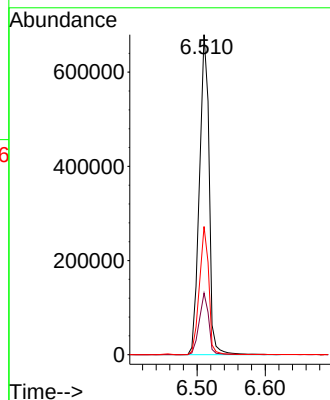
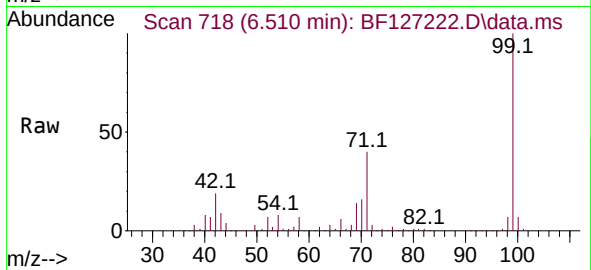




#7  
Phenol-d6  
Concen: 88.184 ng  
RT: 6.510 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

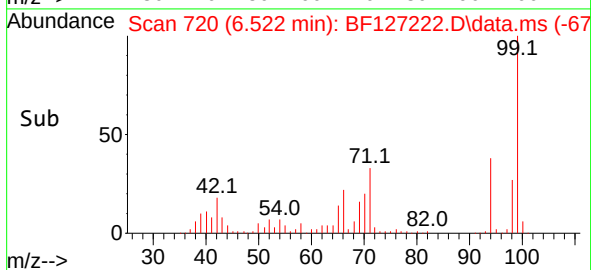
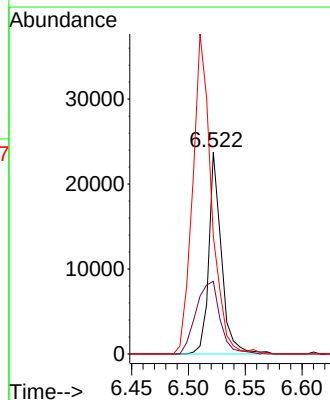
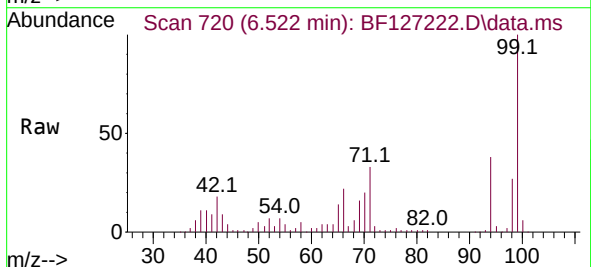
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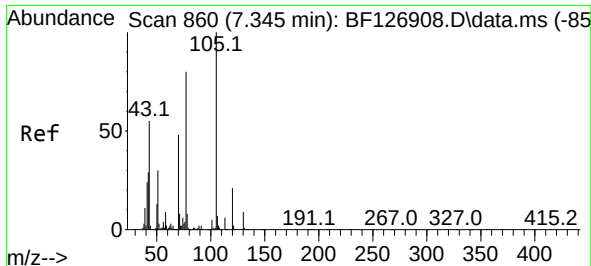
Tgt Ion: 99 Resp: 672039  
Ion Ratio Lower Upper  
99 100  
42 19.3 14.2 21.4  
71 40.1 24.3 36.5#



#10  
Phenol  
Concen: 2.383 ng  
RT: 6.522 min Scan# 720  
Delta R.T. -0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion: 94 Resp: 18347  
Ion Ratio Lower Upper  
94 100  
65 36.0 7.2 47.2  
66 58.3 14.5 54.5#

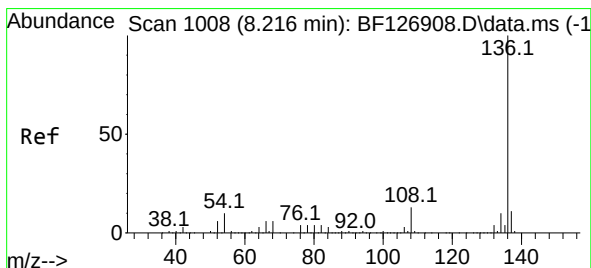
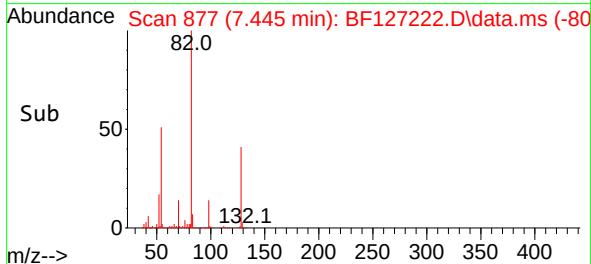
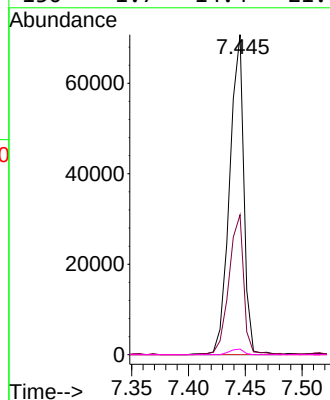
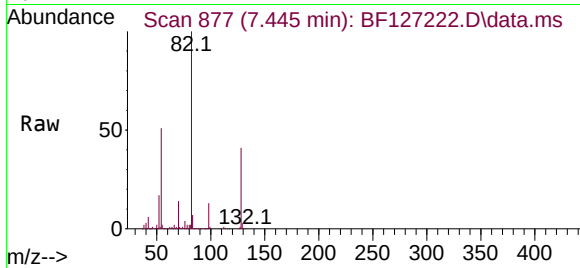




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.567 ng  
RT: 7.445 min Scan# 81  
Delta R.T. 0.153 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

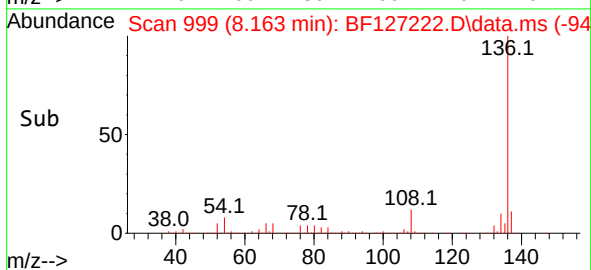
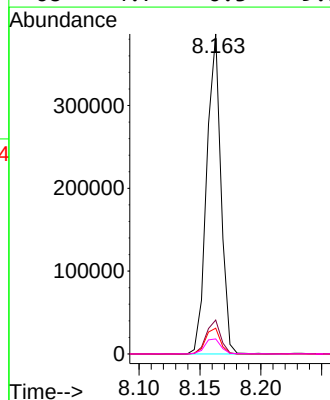
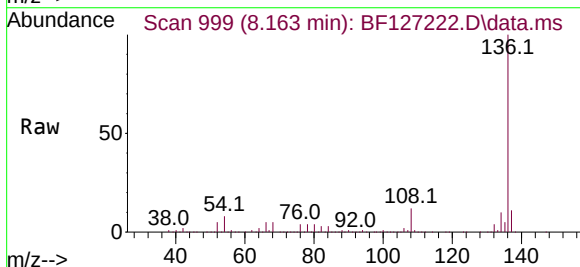
Instrument :  
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VACLOT-TOPSOIL-GRILLO-01A

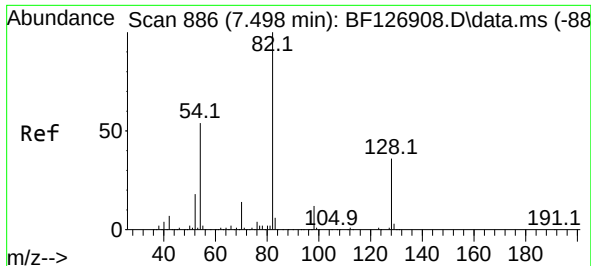
Tgt Ion: 70 Resp: 61714  
Ion Ratio Lower Upper  
70 100  
42 43.7 45.8 68.8#  
101 0.0 6.9 10.3#  
130 1.7 14.4 21.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 999  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:136 Resp: 313748  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.0 7.8 11.6  
68 4.7 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 65.473 ng

RT: 7.445 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

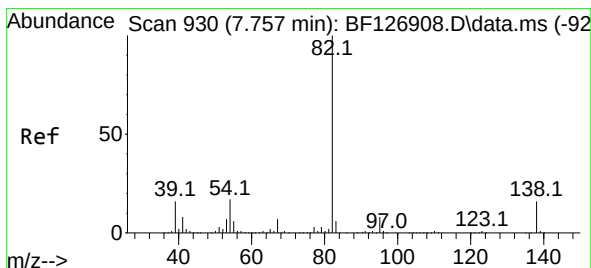
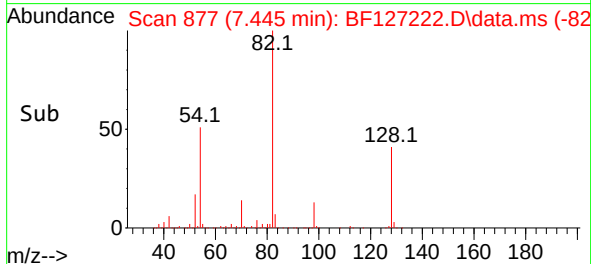
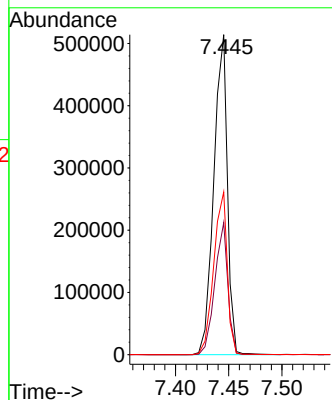
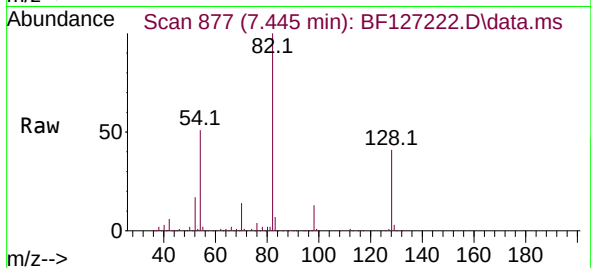
Tgt Ion: 82 Resp: 455098

Ion Ratio Lower Upper

82 100

128 41.2 32.7 49.1

54 50.9 41.7 62.5



#25

Isophorone

Concen: 39.483 ng

RT: 7.445 min Scan# 877

Delta R.T. -0.259 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

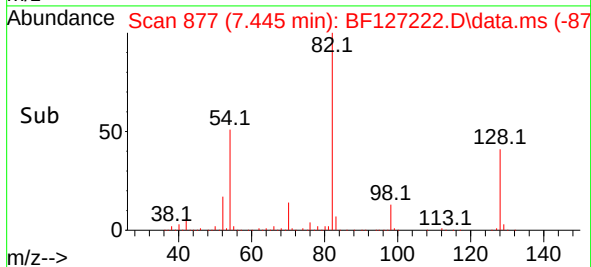
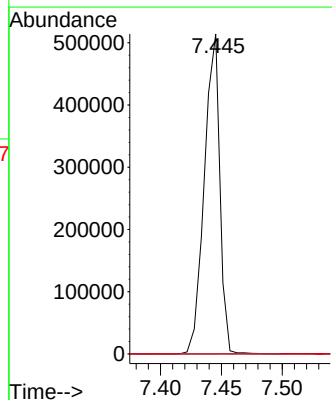
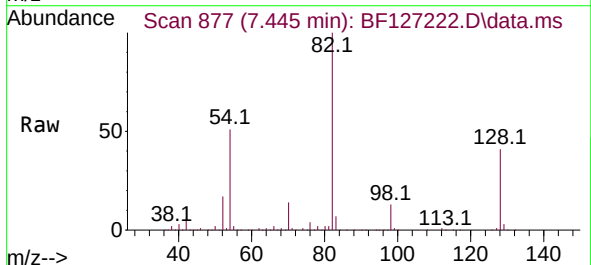
Tgt Ion: 82 Resp: 454139

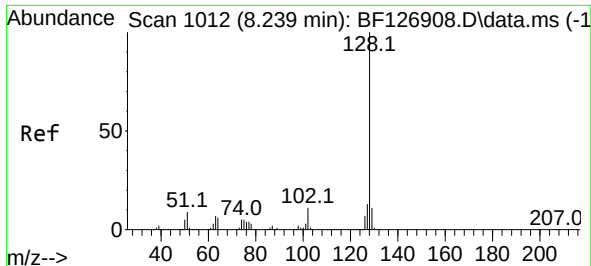
Ion Ratio Lower Upper

82 100

95 0.0 5.0 7.4#

138 0.0 12.3 18.5#

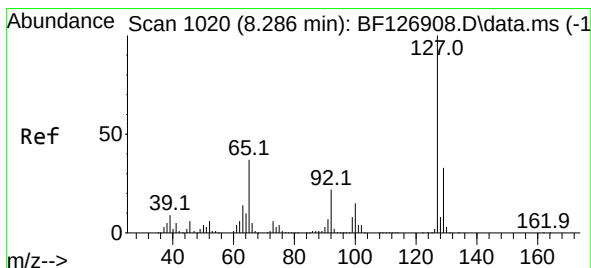
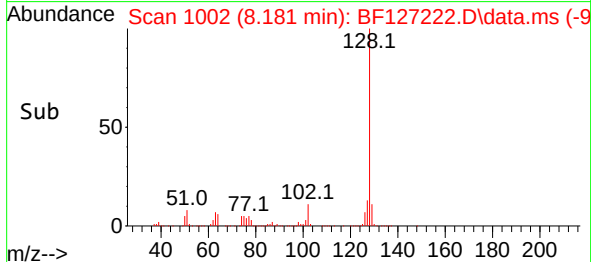
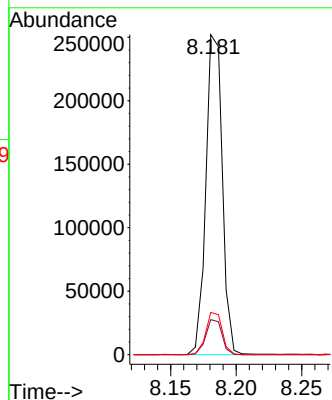
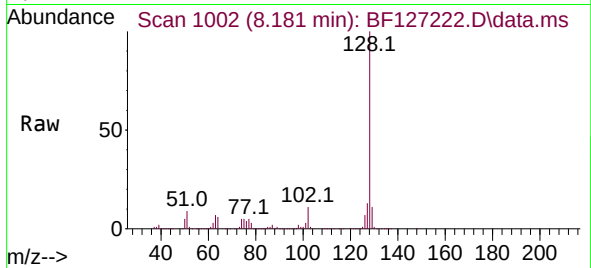




#31  
Naphthalene  
Concen: 13.491 ng  
RT: 8.181 min Scan# 1002  
Delta R.T. -0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

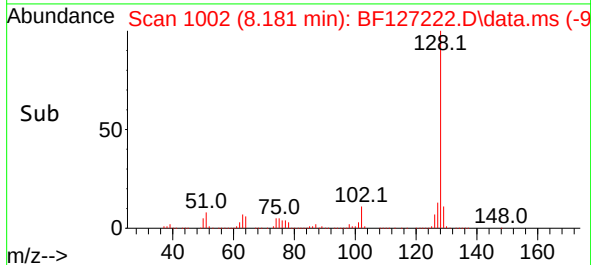
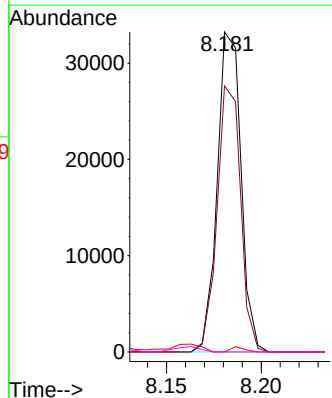
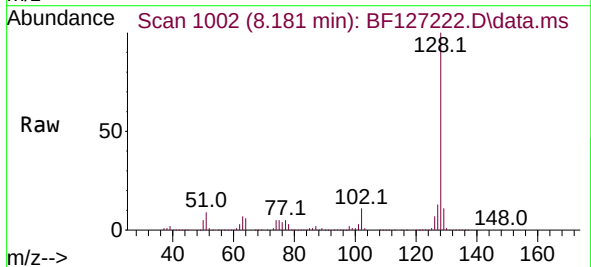
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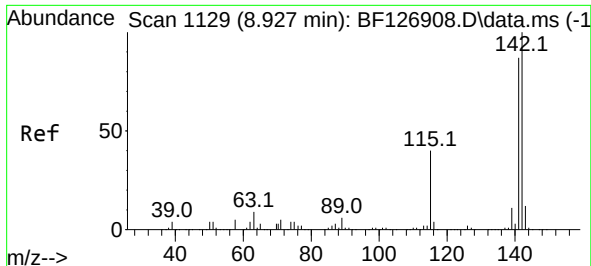
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Ion Ratio Lower Upper  
128 100  
129 11.0 8.6 13.0  
127 13.2 10.3 15.5



#33  
4-Chloroaniline  
Concen: 4.504 ng  
RT: 8.181 min Scan# 1002  
Delta R.T. -0.053 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:127 Resp: 29035  
Ion Ratio Lower Upper  
127 100  
129 83.1 26.5 39.7#  
65 0.0 26.6 39.8#  
92 0.0 16.1 24.1#

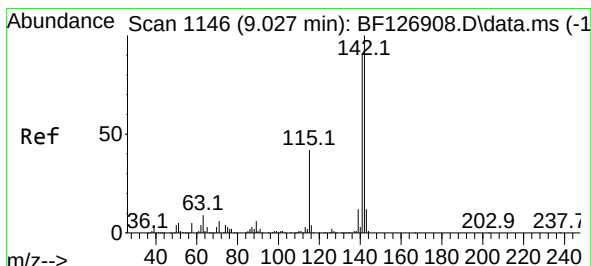
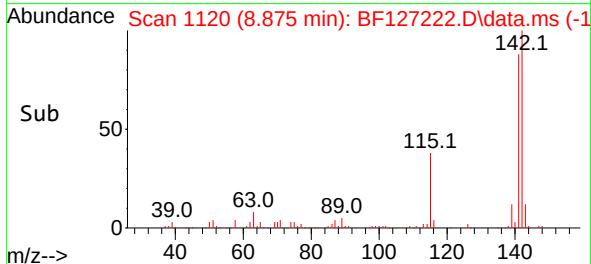
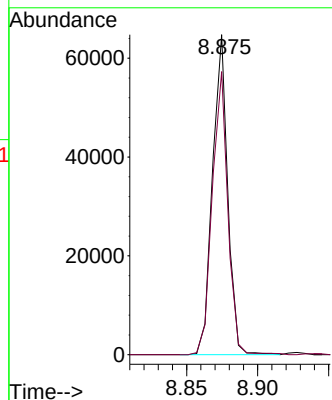
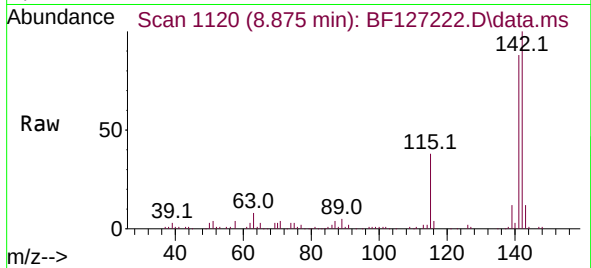




#37  
2-Methylnaphthalene  
Concen: 4.520 ng  
RT: 8.875 min Scan# 1137  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

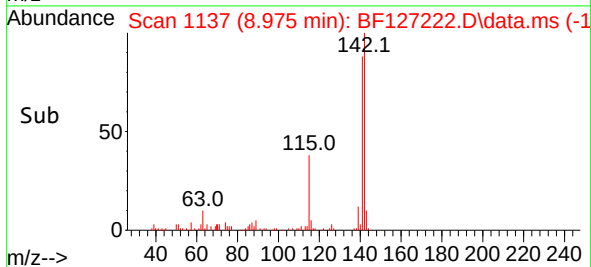
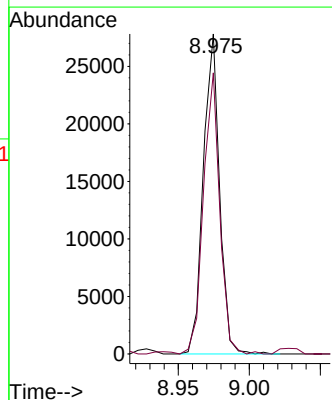
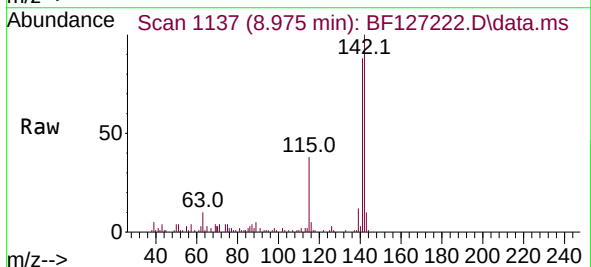
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

Tgt Ion:142 Resp: 48032  
Ion Ratio Lower Upper  
142 100  
141 88.5 68.6 102.8

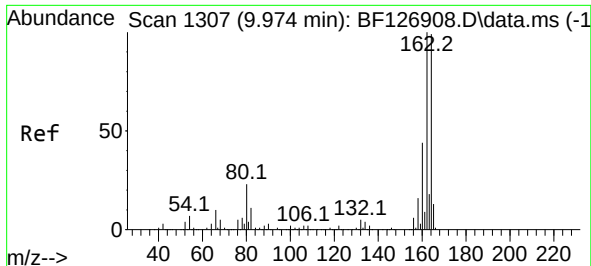


#38  
1-Methylnaphthalene  
Concen: 2.179 ng  
RT: 8.975 min Scan# 1137  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:142 Resp: 22173  
Ion Ratio Lower Upper  
142 100  
141 87.8 72.1 108.1



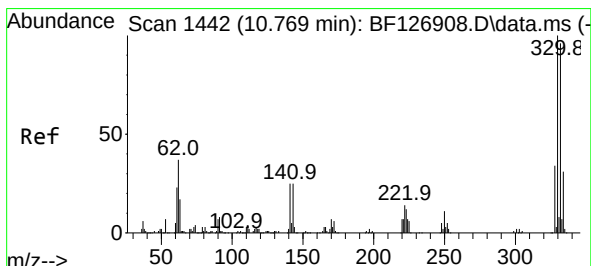
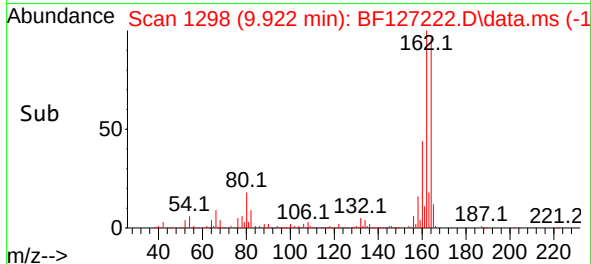
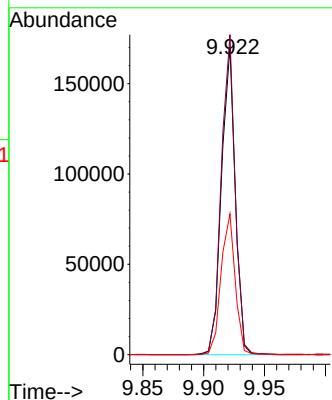
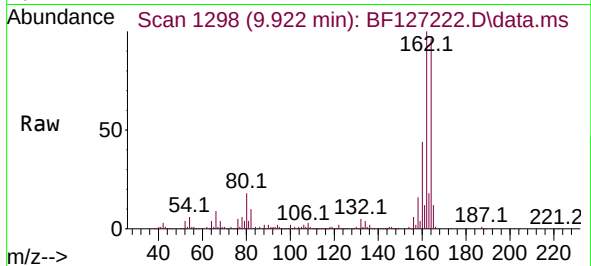




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

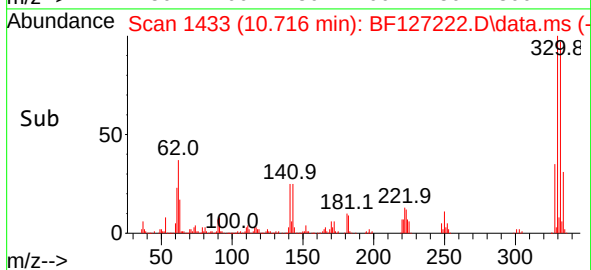
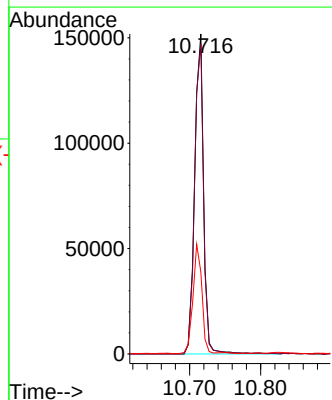
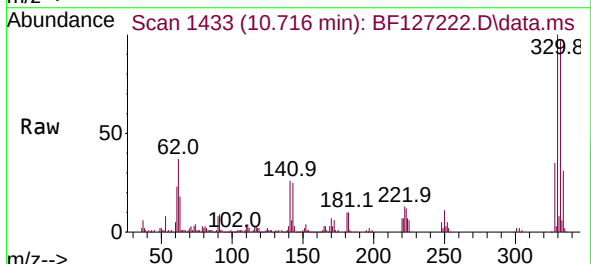
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

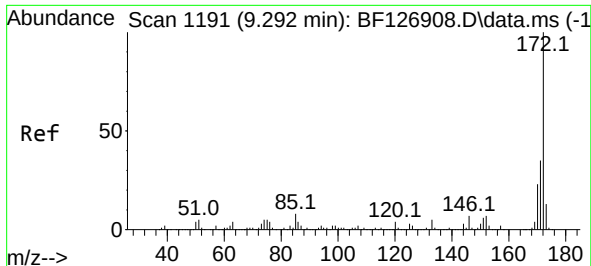
Tgt Ion:164 Resp: 134994  
Ion Ratio Lower Upper  
164 100  
162 103.9 81.4 122.0  
160 45.7 36.6 54.8



#42  
2,4,6-Tribromophenol  
Concen: 85.620 ng  
RT: 10.716 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:330 Resp: 133077  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.0 114.0  
141 33.8 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 61.781 ng

RT: 9.239 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

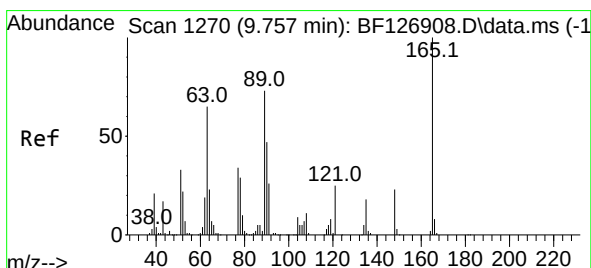
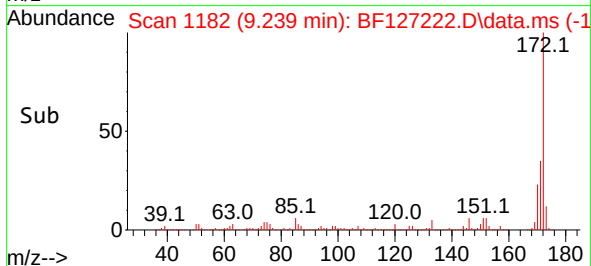
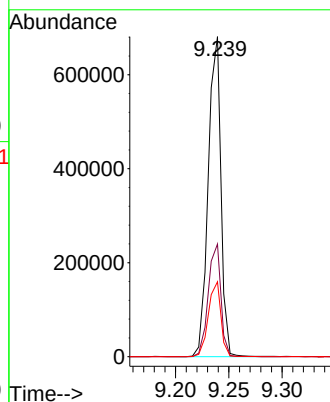
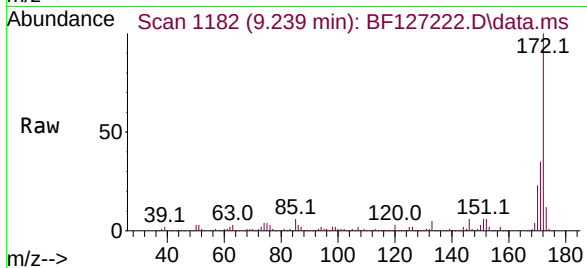
Tgt Ion:172 Resp: 566517

Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.682 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.212 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

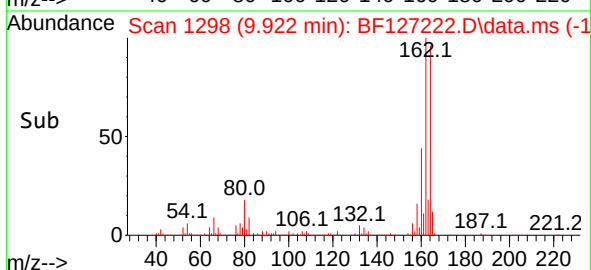
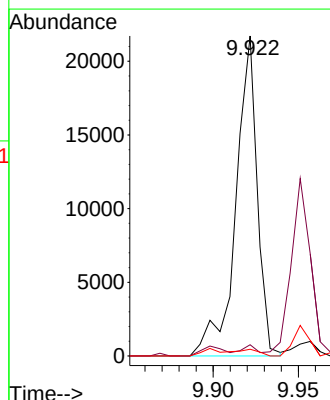
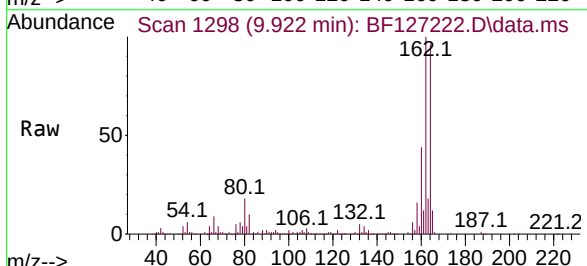
Tgt Ion:165 Resp: 19007

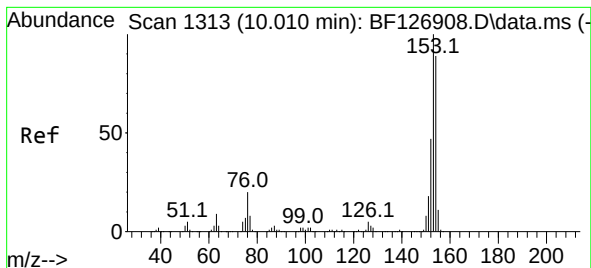
Ion Ratio Lower Upper

165 100

63 3.5 48.4 72.6#

89 2.1 50.5 75.7#





#52

Acenaphthene

Concen: 11.303 ng

RT: 9.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

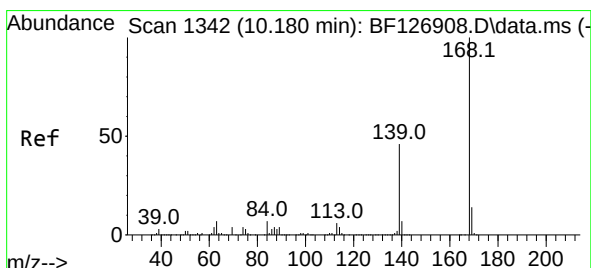
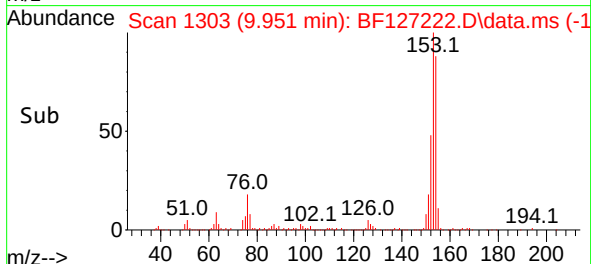
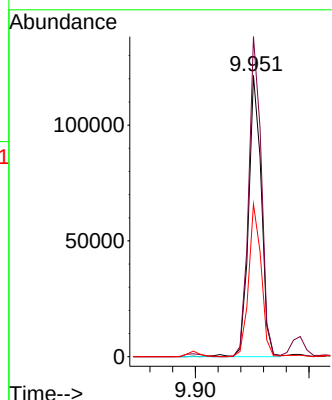
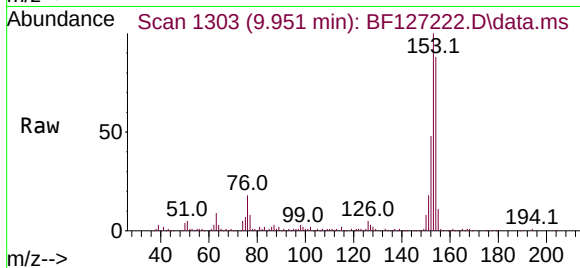
Tgt Ion:154 Resp: 94700

Ion Ratio Lower Upper

154 100

153 113.8 87.8 131.6

152 54.2 39.4 59.2



#55

Dibenzofuran

Concen: 10.258 ng

RT: 10.128 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

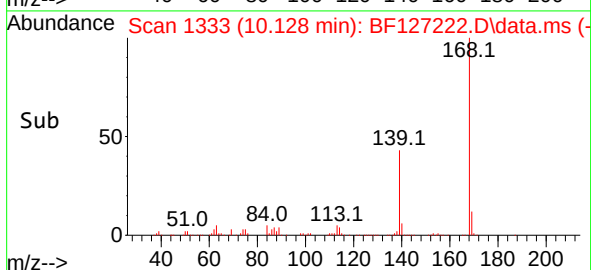
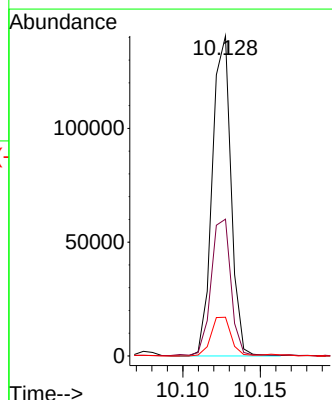
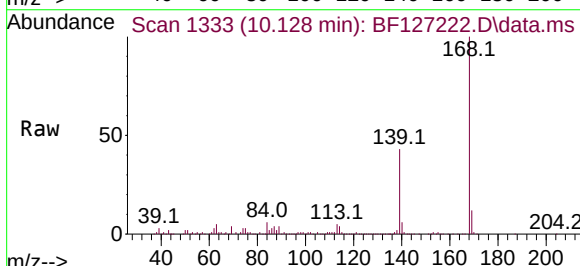
Tgt Ion:168 Resp: 118182

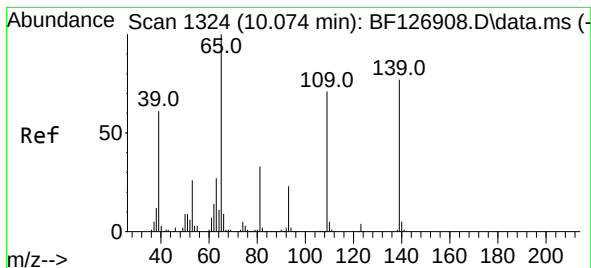
Ion Ratio Lower Upper

168 100

139 42.7 30.6 46.0

169 12.1 10.0 15.0

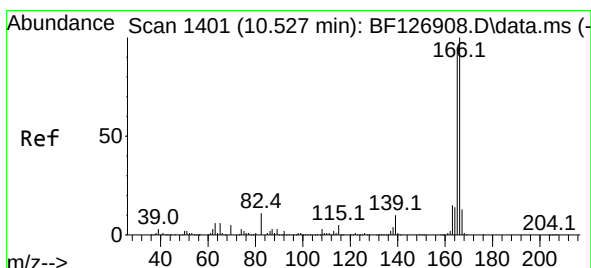
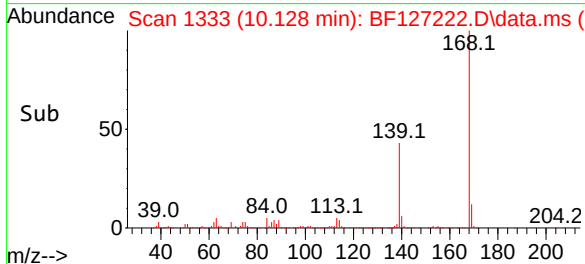
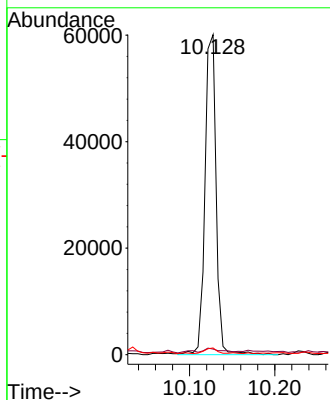
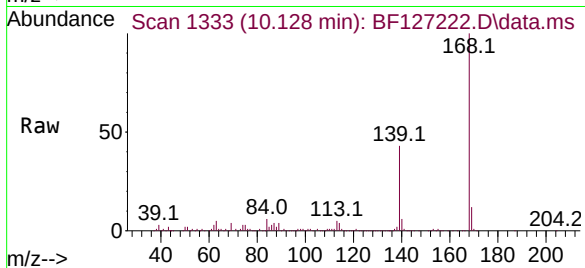




#56  
4-Nitrophenol  
Concen: 30.784 ng  
RT: 10.128 min Scan# 1391  
Delta R.T. 0.082 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

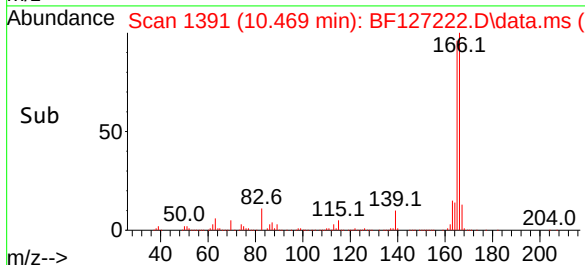
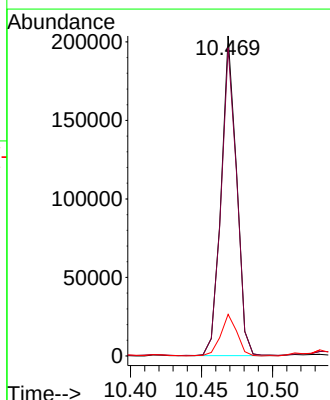
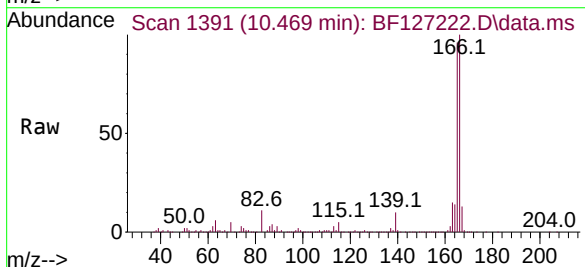
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

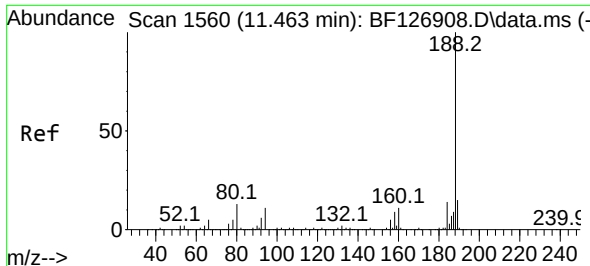
Tgt Ion:139 Resp: 54561  
Ion Ratio Lower Upper  
139 100  
109 1.8 44.1 84.1#  
65 2.1 85.5 125.5#



#58  
Fluorene  
Concen: 17.073 ng  
RT: 10.469 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:166 Resp: 153217  
Ion Ratio Lower Upper  
166 100  
165 96.4 77.7 116.5  
167 13.0 10.7 16.1

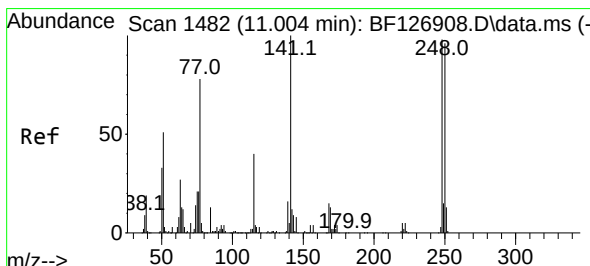
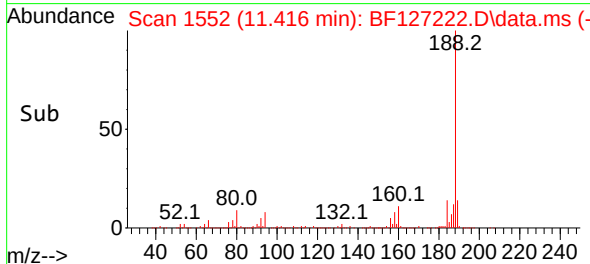
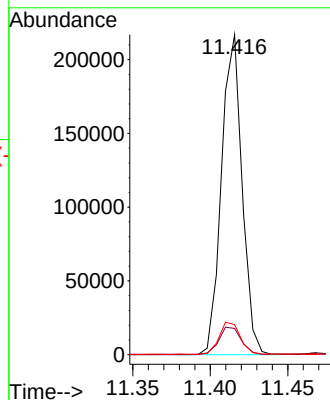
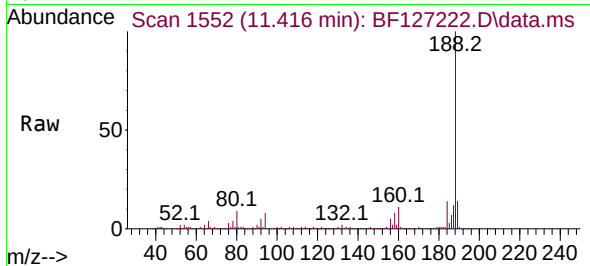




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

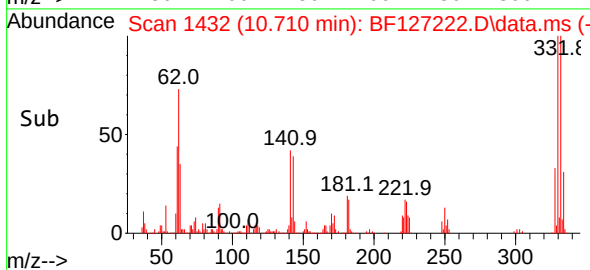
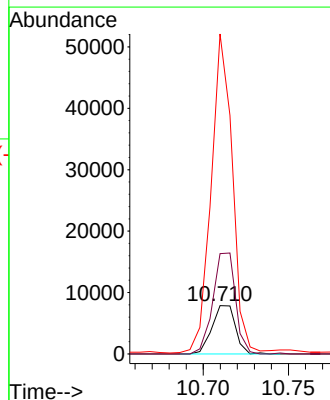
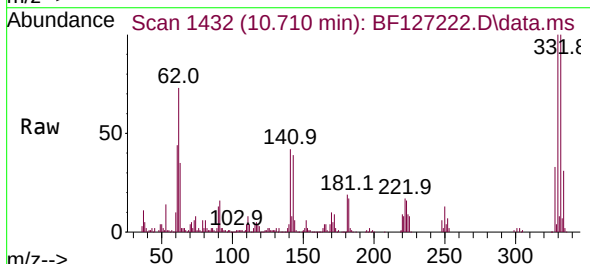
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

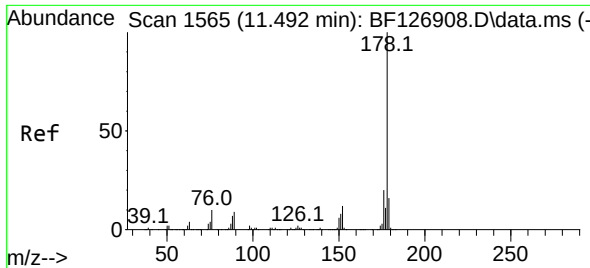
Tgt Ion:188 Resp: 200496  
Ion Ratio Lower Upper  
188 100  
94 8.2 10.1 15.1#  
80 9.4 11.8 17.6#



#67  
4-Bromophenyl-phenylether  
Concen: 3.367 ng  
RT: 10.710 min Scan# 1432  
Delta R.T. -0.247 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:248 Resp: 7543  
Ion Ratio Lower Upper  
248 100  
250 207.4 76.2 114.4#  
141 661.6 66.2 99.4#

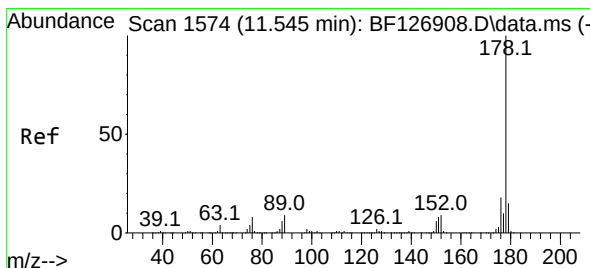
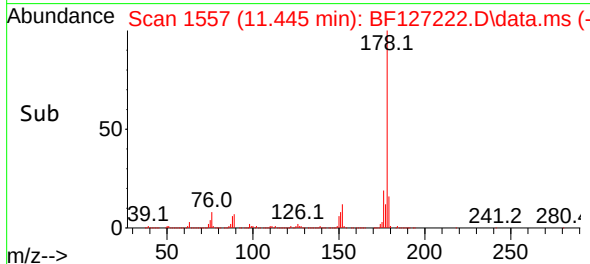
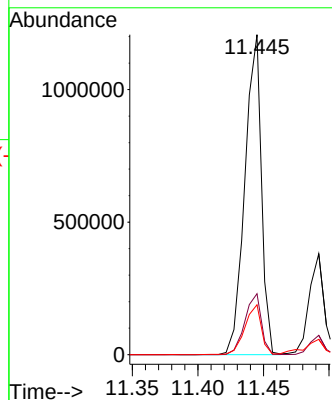
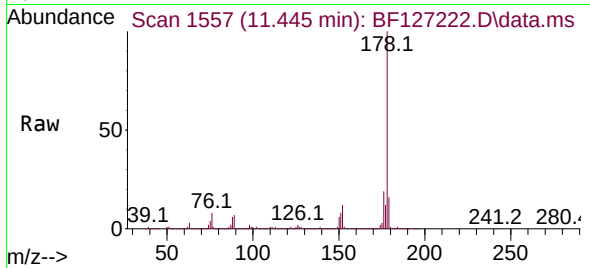




#71  
Phenanthrene  
Concen: 94.658 ng  
RT: 11.445 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

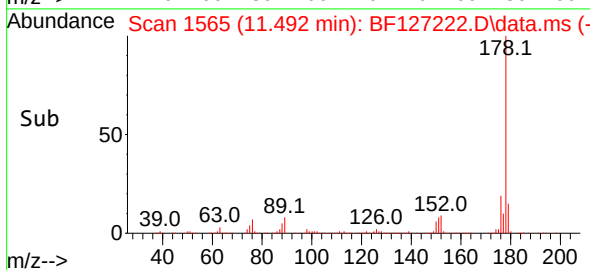
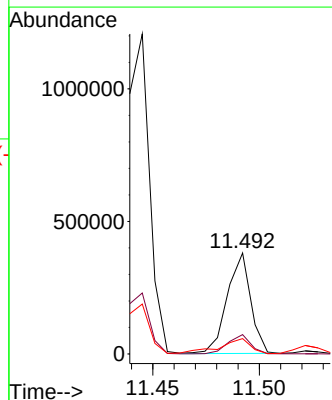
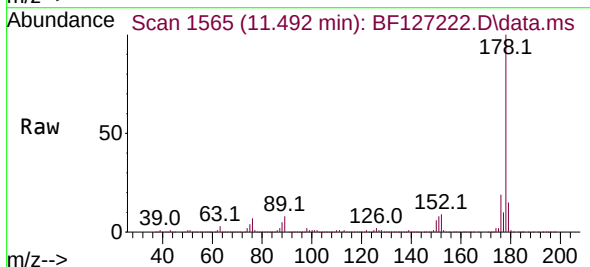
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

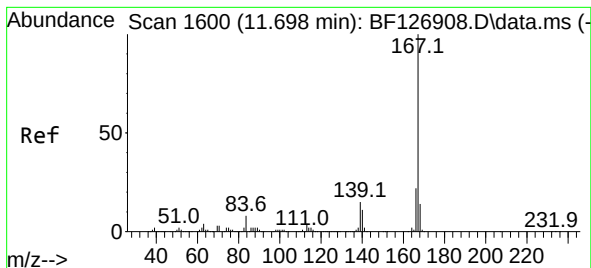
Tgt Ion:178 Resp: 1062266  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.7 23.5  
179 15.6 12.3 18.5



#72  
Anthracene  
Concen: 26.135 ng  
RT: 11.492 min Scan# 1565  
Delta R.T. -0.000 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:178 Resp: 291978  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.0 22.6  
179 15.3 12.5 18.7





#73

Carbazole

Concen: 10.999 ng

RT: 11.645 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

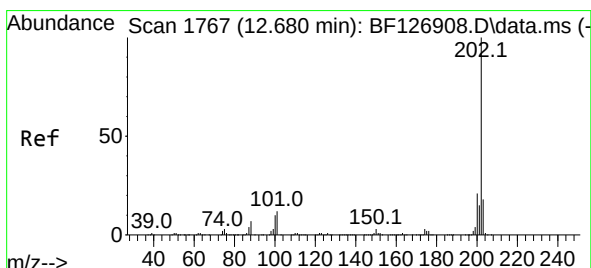
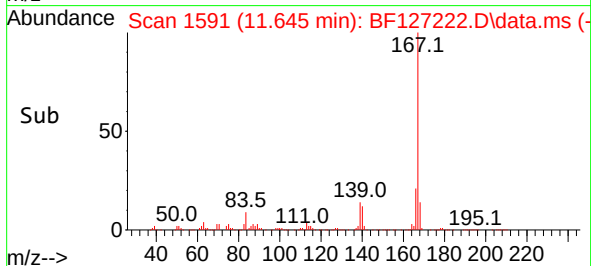
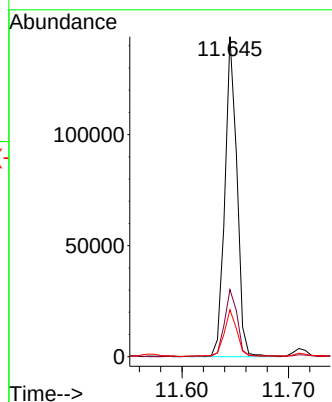
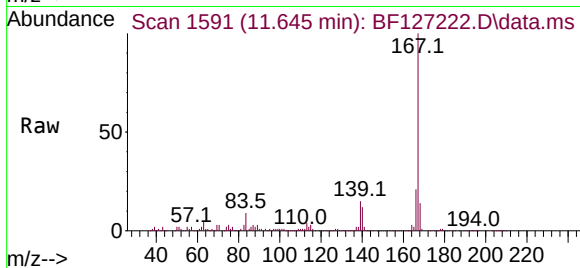
Tgt Ion:167 Resp: 112685

Ion Ratio Lower Upper

167 100

166 20.9 16.9 25.3

139 14.7 11.3 16.9



#75

Fluoranthene

Concen: 83.432 ng

RT: 12.633 min Scan# 1759

Delta R.T. -0.000 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

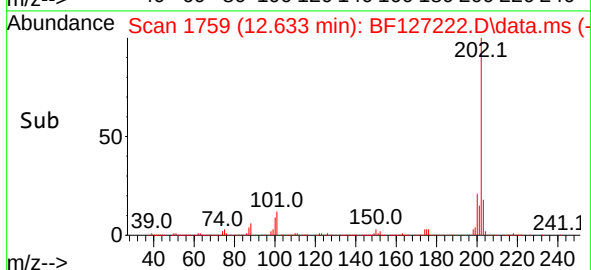
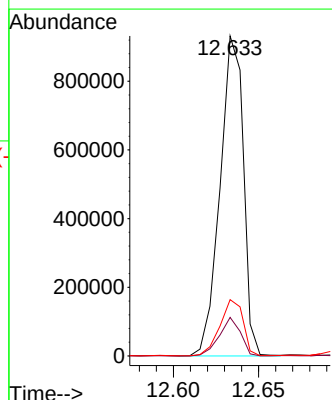
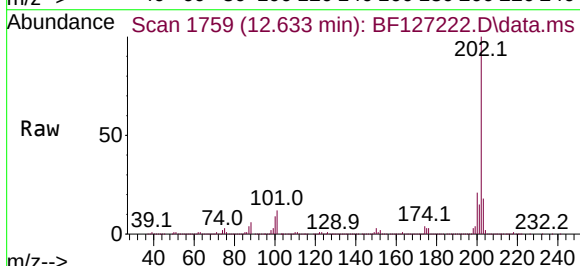
Tgt Ion:202 Resp: 889005

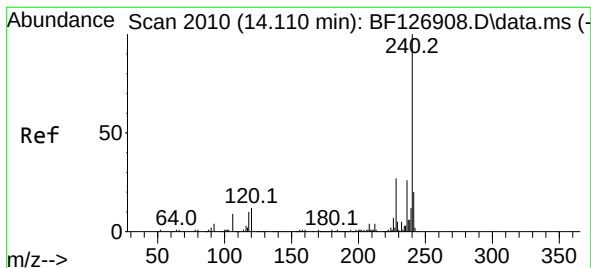
Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.7

203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

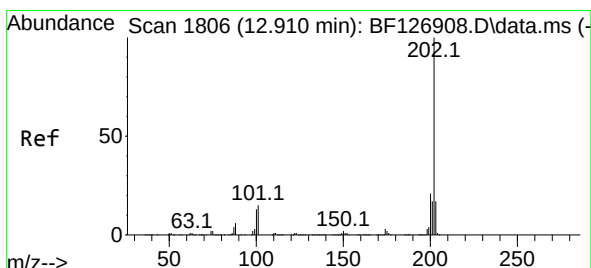
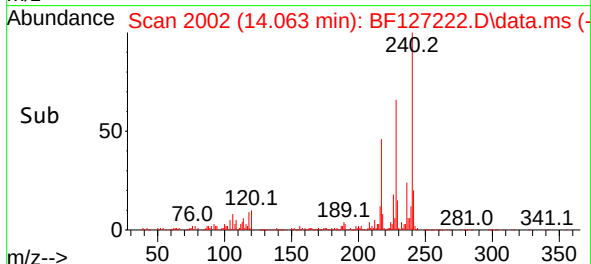
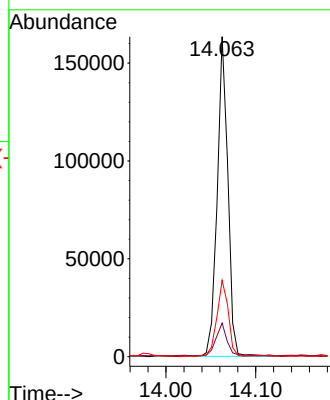
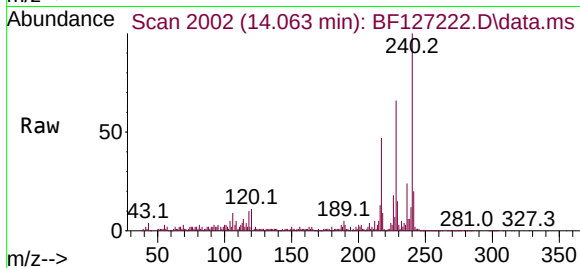
Tgt Ion:240 Resp: 134447

Ion Ratio Lower Upper

240 100

120 10.5 14.4 21.6#

236 23.8 20.5 30.7



#78

Pyrene

Concen: 65.484 ng

RT: 12.868 min Scan# 1799

Delta R.T. 0.006 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

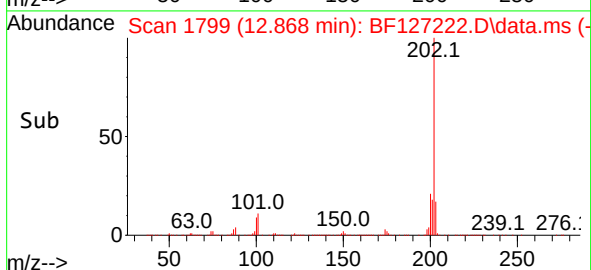
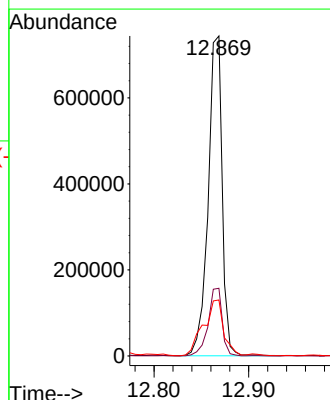
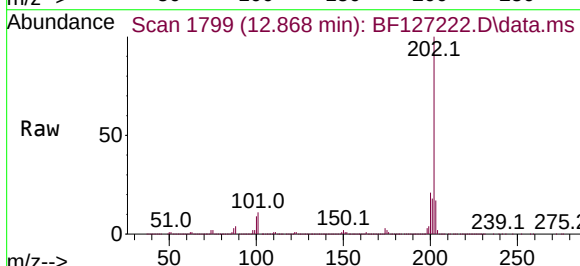
Tgt Ion:202 Resp: 764887

Ion Ratio Lower Upper

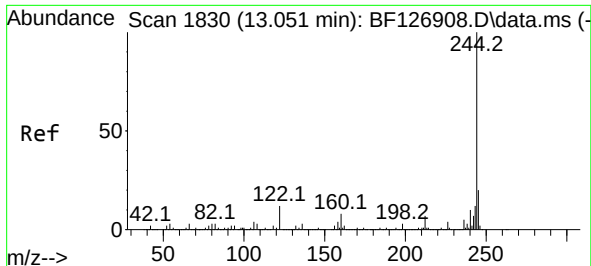
202 100

200 21.2 16.6 24.8

203 17.5 13.8 20.8



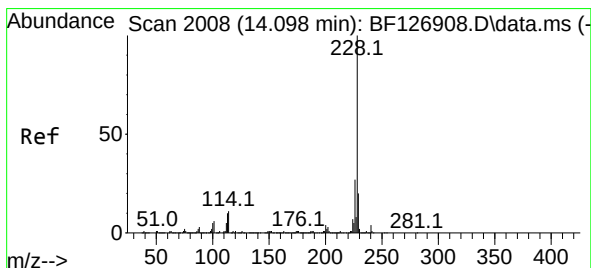
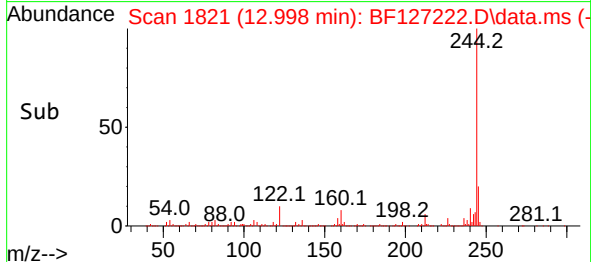
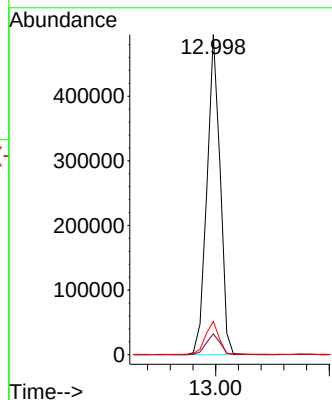
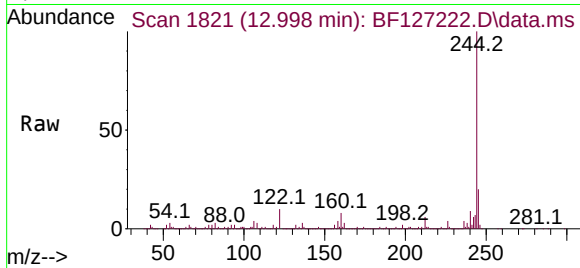




#79  
 Terphenyl-d14  
 Concen: 43.385 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF127222.D  
 Acq: 07 Mar 2022 14:33

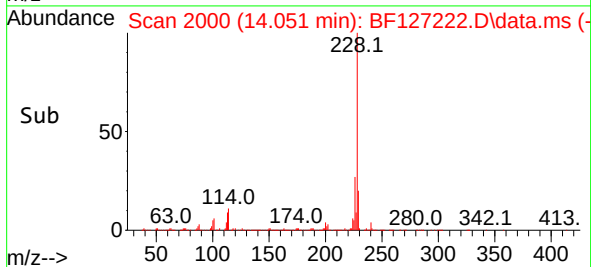
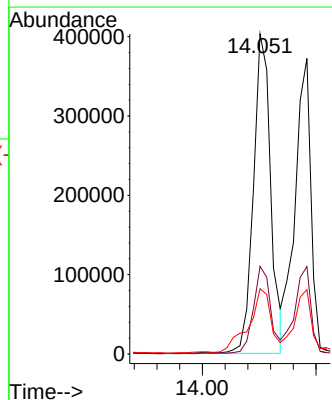
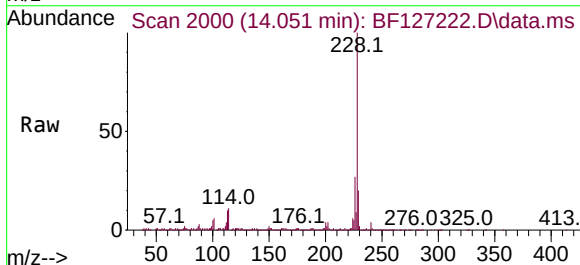
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VACLOT-TOPSOIL-GRILLO-01A

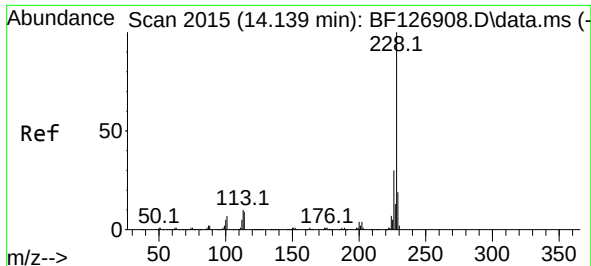
Tgt Ion:244 Resp: 396790  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 10.4 13.3 19.9#



#81  
 Benzo(a)anthracene  
 Concen: 47.046 ng  
 RT: 14.051 min Scan# 2000  
 Delta R.T. -0.000 min  
 Lab File: BF127222.D  
 Acq: 07 Mar 2022 14:33

Tgt Ion:228 Resp: 426423  
 Ion Ratio Lower Upper  
 228 100  
 226 27.3 21.4 32.0  
 229 20.4 15.4 23.2

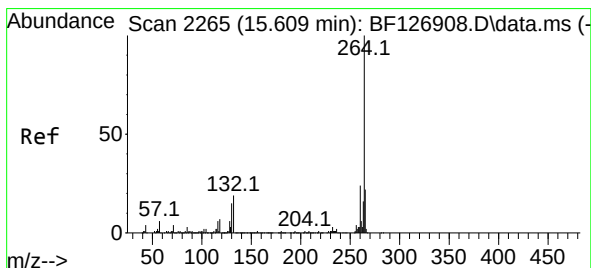
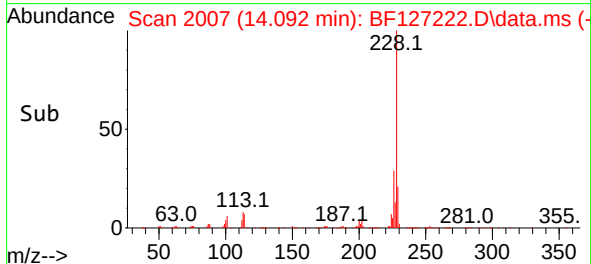
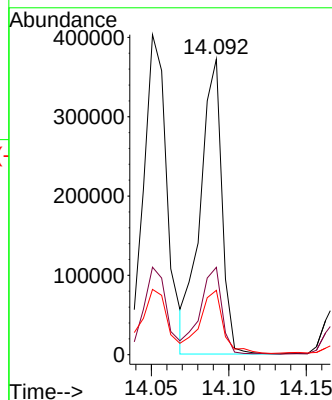
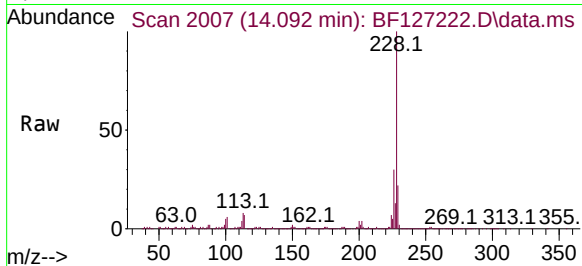




#83  
Chrysene  
Concen: 42.643 ng  
RT: 14.092 min Scan# 2015  
Delta R.T. 0.006 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

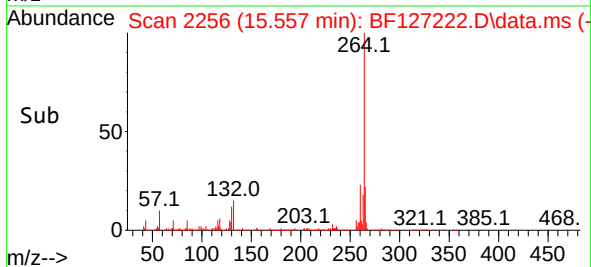
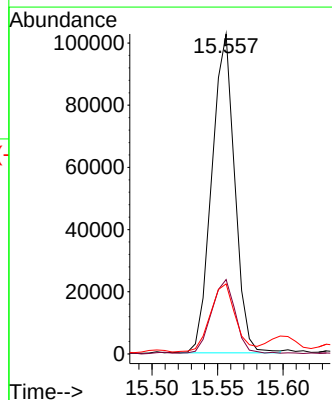
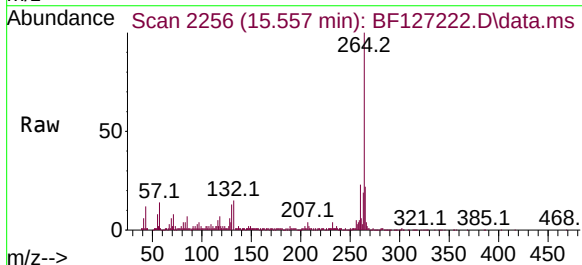
Instrument :  
BNA\_F  
ClientSampleId :  
VACLOT-TOPSOIL-GRILLO-01A

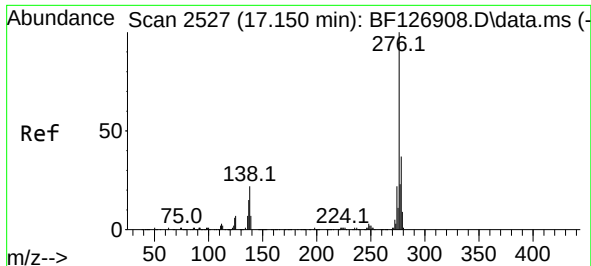
Tgt Ion:228 Resp: 363464  
Ion Ratio Lower Upper  
228 100  
226 29.6 23.7 35.5  
229 21.8 15.5 23.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2256  
Delta R.T. 0.012 min  
Lab File: BF127222.D  
Acq: 07 Mar 2022 14:33

Tgt Ion:264 Resp: 124580  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.2 28.8  
265 21.9 17.4 26.2

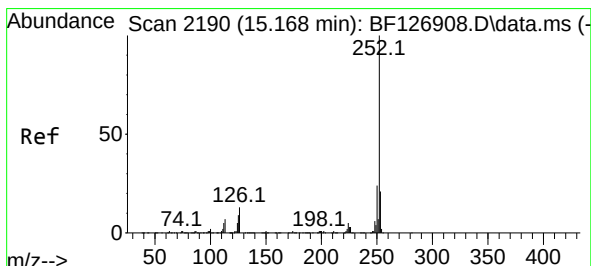
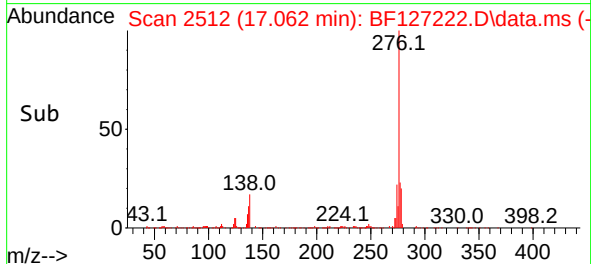
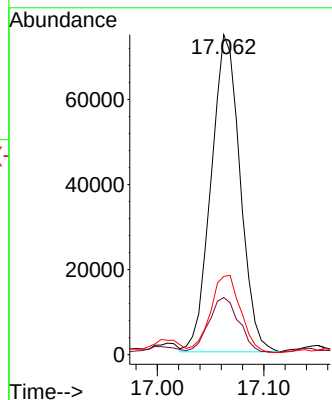
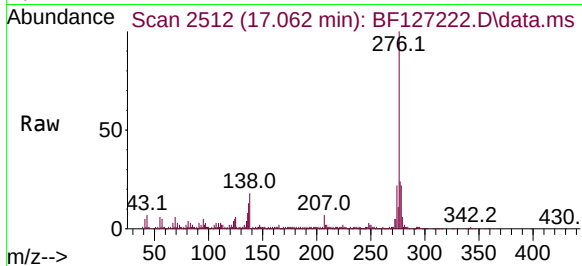




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 17.240 ng  
 RT: 17.062 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: BF127222.D  
 Acq: 07 Mar 2022 14:33

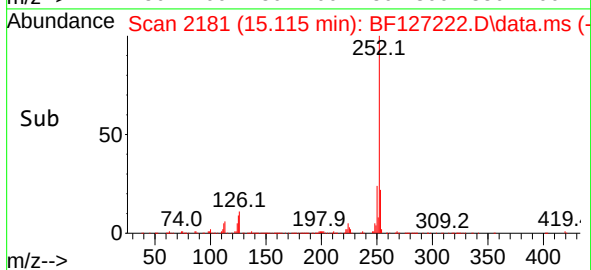
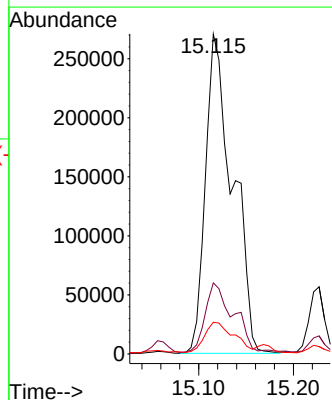
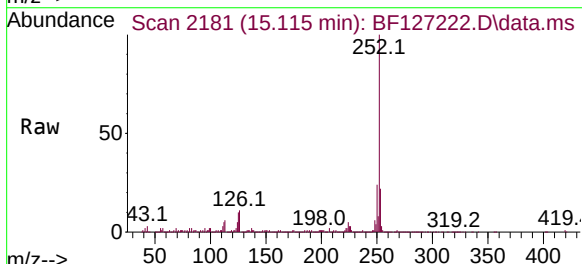
Instrument :  
 BNA\_F  
 ClientSampleId :  
 VACLOT-TOPSOIL-GRILLO-01A

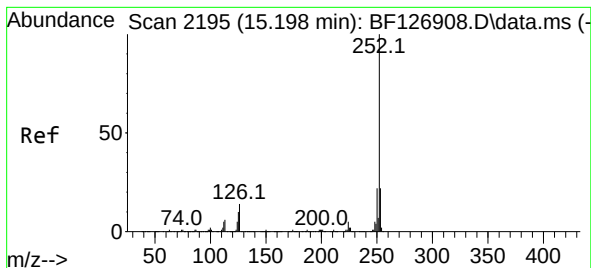
Tgt Ion:276 Resp: 140835  
 Ion Ratio Lower Upper  
 276 100  
 138 18.0 29.2 43.8#  
 277 25.2 19.8 29.8



#88  
 Benzo(b)fluoranthene  
 Concen: 64.372 ng  
 RT: 15.115 min Scan# 2181  
 Delta R.T. 0.006 min  
 Lab File: BF127222.D  
 Acq: 07 Mar 2022 14:33

Tgt Ion:252 Resp: 538620  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.8 26.8  
 125 9.9 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 66.740 ng

RT: 15.115 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

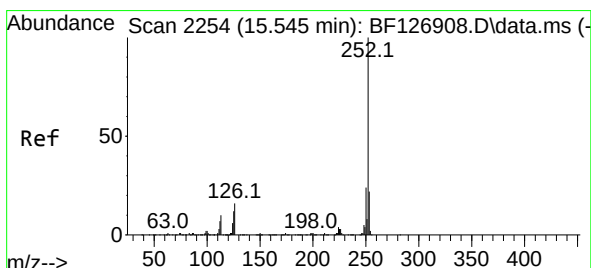
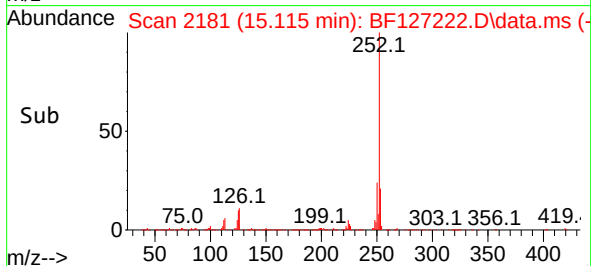
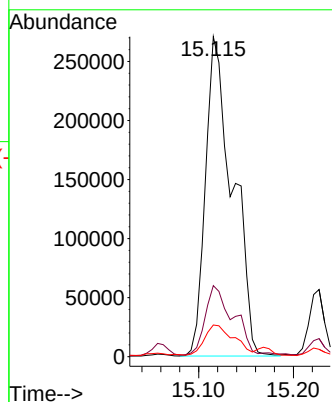
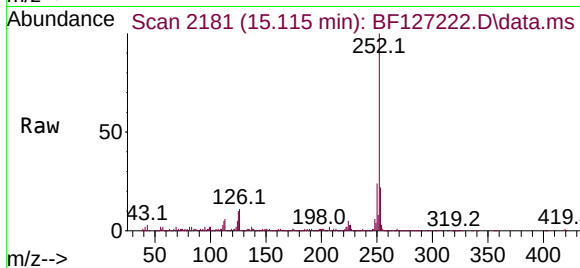
Tgt Ion:252 Resp: 538620

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.9 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 12.009 ng

RT: 15.586 min Scan# 2261

Delta R.T. 0.100 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

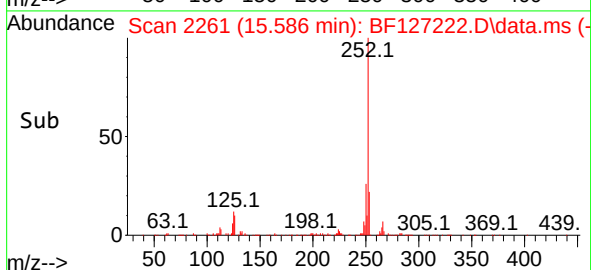
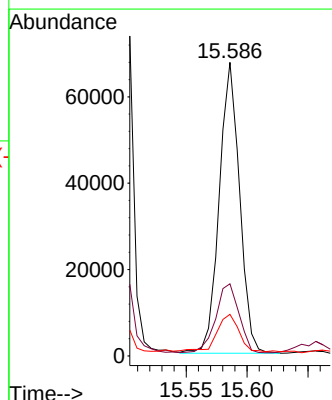
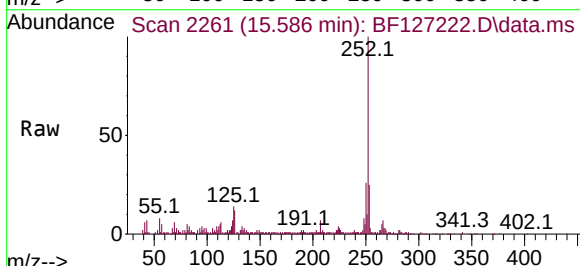
Tgt Ion:252 Resp: 78487

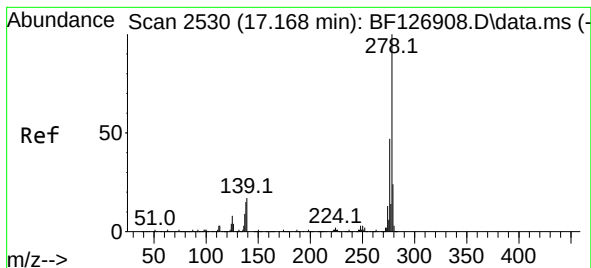
Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 14.2 13.0 19.6





#91

Dibenzo(a,h)anthracene

Concen: 5.690 ng

RT: 17.074 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Instrument :

BNA\_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01A

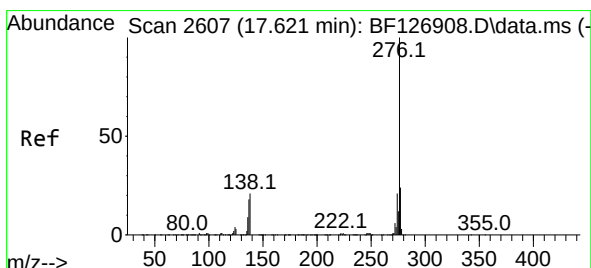
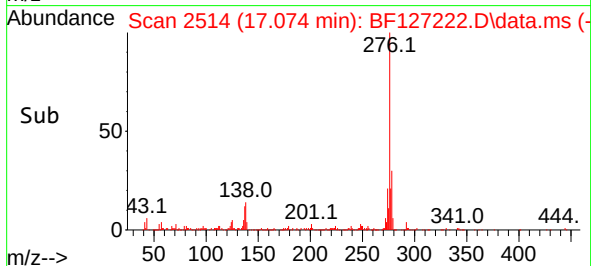
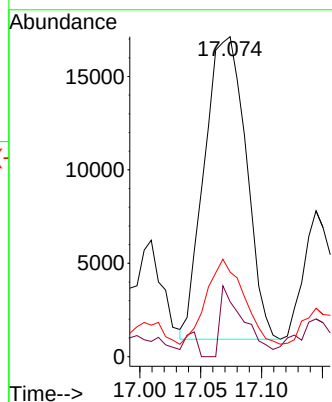
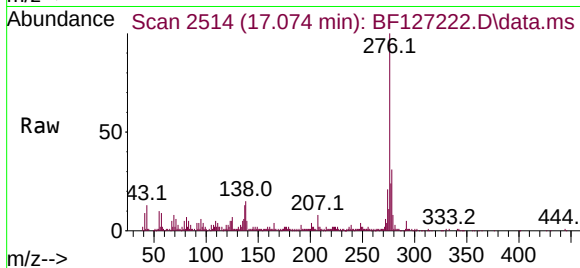
Tgt Ion:278 Resp: 38439

Ion Ratio Lower Upper

278 100

139 17.1 18.0 27.0#

279 26.5 18.6 27.8



#92

Benzo(g,h,i)perylene

Concen: 19.096 ng

RT: 17.527 min Scan# 2591

Delta R.T. 0.006 min

Lab File: BF127222.D

Acq: 07 Mar 2022 14:33

Tgt Ion:276 Resp: 127192

Ion Ratio Lower Upper

276 100

277 21.8 18.5 27.7

138 18.3 25.9 38.9#

