

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062821\  
 Data File : BP006087.D  
 Acq On : 28 Jun 2021 20:41  
 Operator : CG/JU  
 Sample : M2859-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PILE-1-062421

Quant Time: Jun 29 02:07:36 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 28 11:34:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 85853    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.710 | 136  | 319329   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.551 | 164  | 238601   | 20.000  | ng    | # 0.02   |
| 64) Phenanthrene-d10          | 17.304 | 188  | 420863   | 20.000  | ng    | # 0.02   |
| 76) Chrysene-d12              | 21.369 | 240  | 515131   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 23.769 | 264  | 595578   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 386199   | 72.182  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.087  | 99   | 490197   | 70.686  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.069  | 82   | 306801   | 47.104  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.051 | 330  | 363634   | 88.809  | ng    | 0.02     |
| 45) 2-Fluorobiphenyl          | 13.169 | 172  | 760448   | 41.851  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.845 | 244  | 1471611  | 53.493  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 18) Hexachloroethane          | 9.010  | 117  | 18365    | 7.258   | ng    | # 1      |
| 22) Acetophenone              | 8.705  | 105  | 39298    | 4.676   | ng    | # 60     |
| 25) Isophorone                | 9.622  | 82   | 30162    | 2.508   | ng    | # 1      |
| 31) Naphthalene               | 10.757 | 128  | 125753   | 6.806   | ng    | # 77     |
| 32) Benzoic acid              | 10.028 | 122  | 716      | 6.492   | ng    | # 1      |
| 35) Caprolactam               | 11.740 | 113  | 165879   | 99.675  | ng    | # 53     |
| 37) 2-Methylnaphthalene       | 12.381 | 142  | 1965377  | 149.405 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.593 | 142  | 1489435  | 120.203 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.746 | 237  | 15       | 5.507   | ng    | # 80     |
| 46) 1,1'-Biphenyl             | 13.381 | 154  | 448077   | 23.291  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.646 | 65   | 9761     | 2.363   | ng    | # 25     |
| 49) Acenaphthylene            | 14.281 | 152  | 150994   | 6.265   | ng    | # 1      |
| 50) Dimethylphthalate         | 14.004 | 163  | 80785    | 4.118   | ng    | # 74     |
| 51) 2,6-Dinitrotoluene        | 14.163 | 165  | 15165    | 3.401   | ng    | # 67     |
| 52) Acenaphthene              | 14.616 | 154  | 244771   | 16.724  | ng    | # 88     |
| 53) 3-Nitroaniline            | 14.451 | 138  | 20766    | 4.805   | ng    | # 38     |
| 54) 2,4-Dinitrophenol         | 14.710 | 184  | 3678     | 6.152   | ng    | # 1      |
| 55) Dibenzofuran              | 14.951 | 168  | 300807   | 12.497  | ng    | # 1      |
| 56) 4-Nitrophenol             | 14.769 | 139  | 231591   | 66.113  | ng    | # 48     |
| 57) 2,4-Dinitrotoluene        | 14.957 | 165  | 129802   | 21.765  | ng    | # 61     |
| 58) Fluorene                  | 15.604 | 166  | 391359   | 20.868  | ng    | # 83     |
| 63) Azobenzene                | 15.887 | 77   | 49685    | 2.790   | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 15.734 | 198  | 9700     | 3.136   | ng    | # 1      |
| 66) n-Nitrosodiphenylamine    | 15.816 | 169  | 1179137  | 84.487  | ng    | # 51     |
| 69) Atrazine                  | 16.757 | 200  | 29914    | 6.889   | ng    | # 45     |
| 71) Phenanthrene              | 17.351 | 178  | 2989799  | 118.292 | ng    | 97       |
| 72) Anthracene                | 17.351 | 178  | 2989799  | 120.193 | ng    | 97       |
| 73) Carbazole                 | 17.710 | 167  | 67714    | 2.835   | ng    | # 1      |
| 75) Fluoranthene              | 19.304 | 202  | 230588   | 7.512   | ng    | 65       |
| 78) Pyrene                    | 19.657 | 202  | 1078385  | 29.987  | ng    | # 92     |
| 81) Benzo(a)anthracene        | 21.351 | 228  | 277708   | 7.468   | ng    | # 62     |
| 83) Chrysene                  | 21.404 | 228  | 472987   | 13.133  | ng    | # 86     |
| 84) Bis(2-ethylhexyl)phtha... | 21.263 | 149  | 158100   | 7.286   | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 23.033 | 252  | 85928    | 2.106   | ng    | # 56     |
| 90) Benzo(a)pyrene            | 23.663 | 252  | 164760   | 4.296   | ng    | # 71     |
| -----                         |        |      |          |         |       |          |

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Acq On : 28 Jun 2021 20:41  
Operator : CG/JU  
Sample : M2859-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

Quant Time: Jun 29 02:07:36 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP060821.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 28 11:34:30 2021  
Response via : Initial Calibration

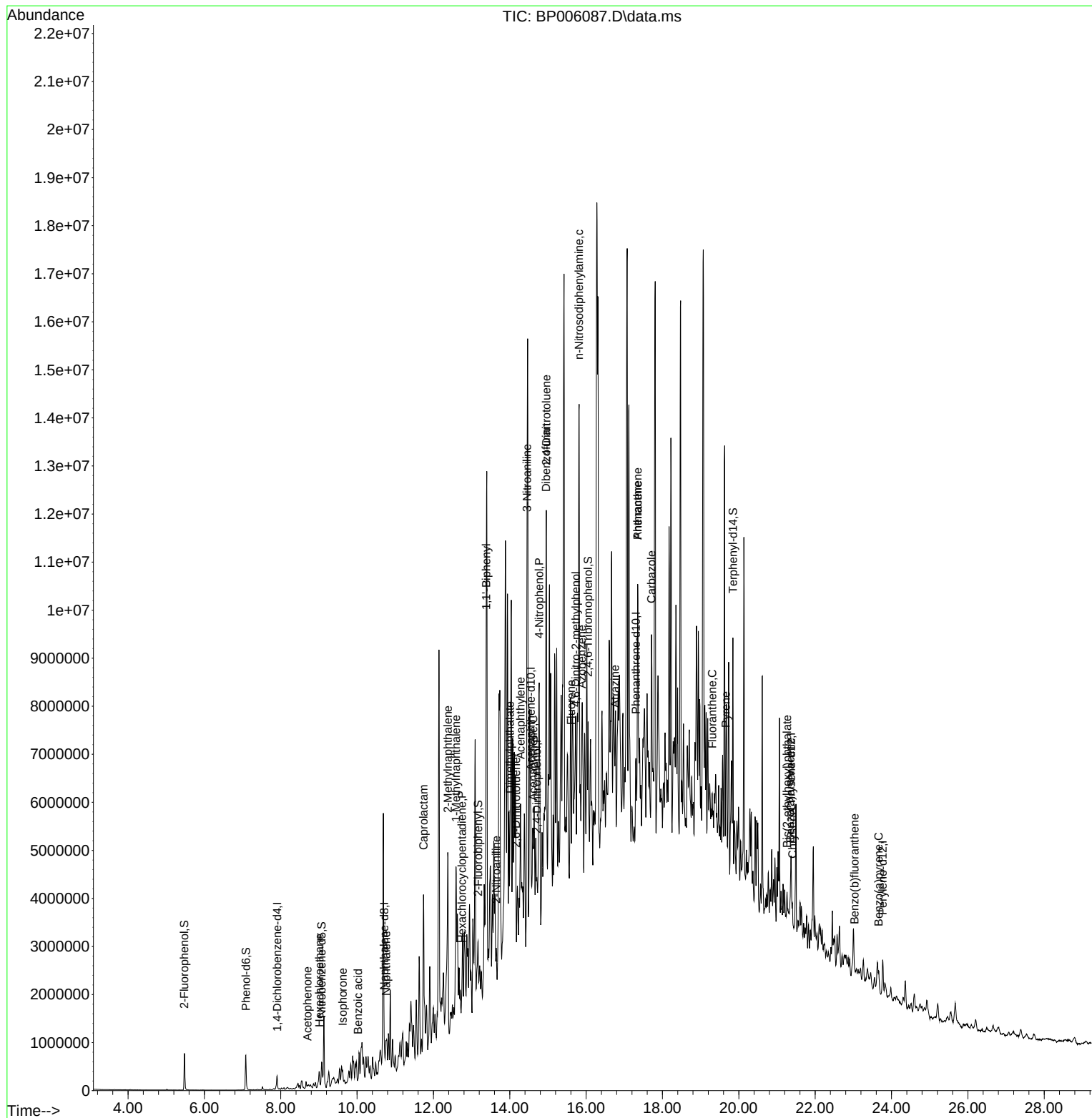
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

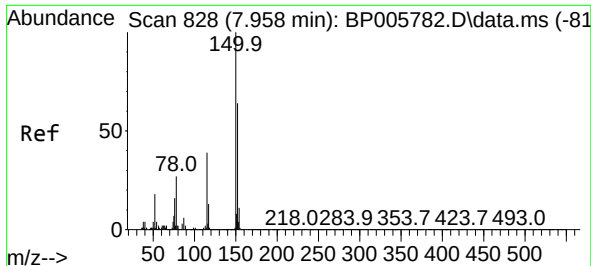
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP062821\  
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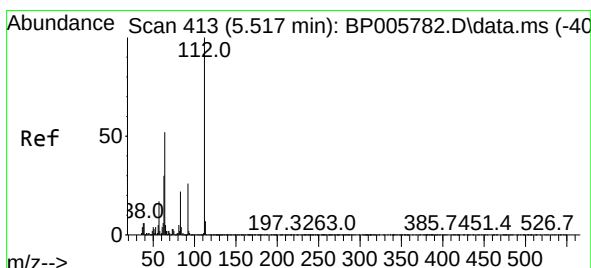
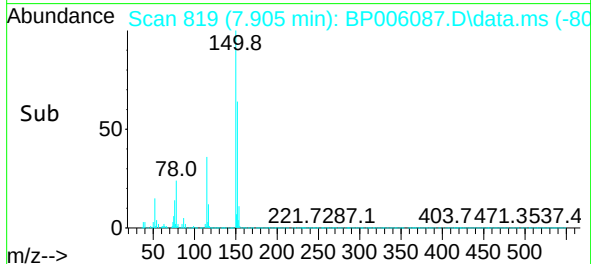
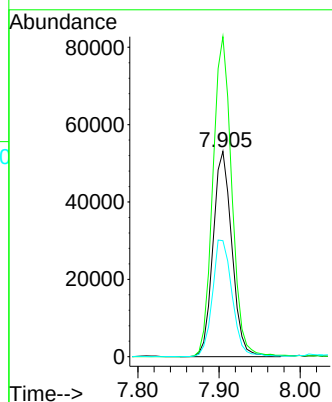
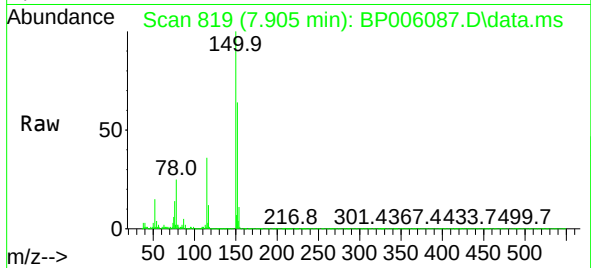




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.905 min Scan# 819  
Delta R.T. -0.000 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

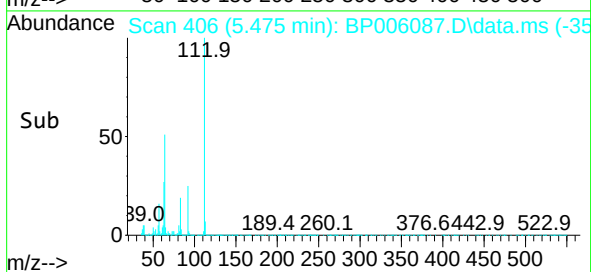
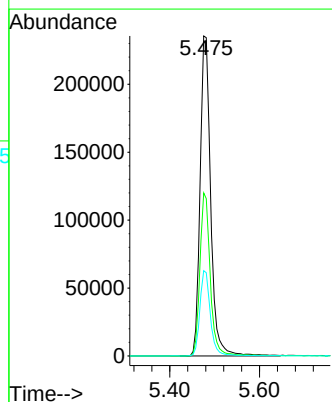
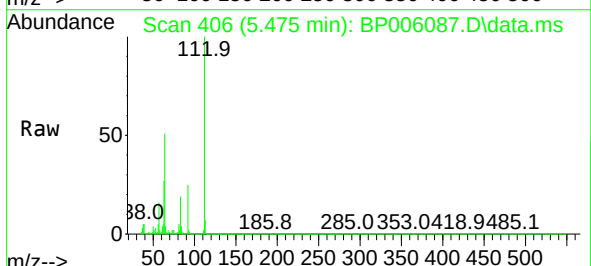
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

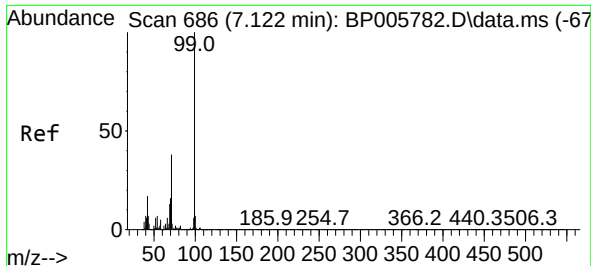
Tgt Ion:152 Resp: 85853  
Ion Ratio Lower Upper  
152 100  
150 155.9 125.6 188.4  
115 56.5 48.5 72.7



#5  
2-Fluorophenol  
Concen: 72.182 ng  
RT: 5.475 min Scan# 406  
Delta R.T. 0.000 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:112 Resp: 386199  
Ion Ratio Lower Upper  
112 100  
64 51.0 41.4 62.2  
63 26.7 23.8 35.8

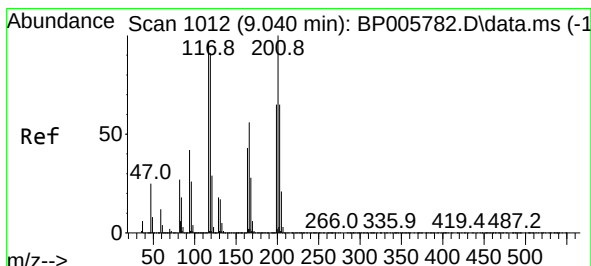
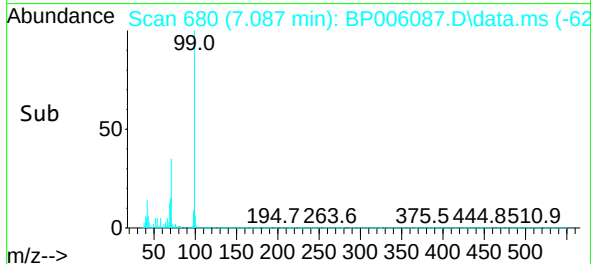
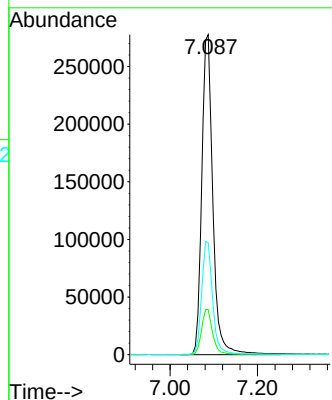
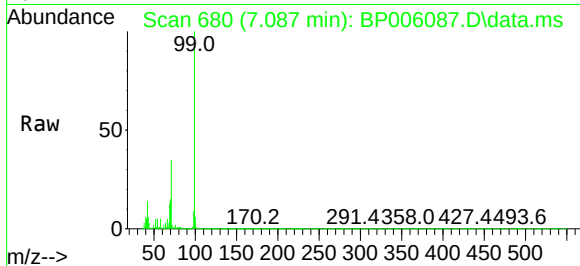




#7  
Phenol-d6  
Concen: 70.686 ng  
RT: 7.087 min Scan# 680  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

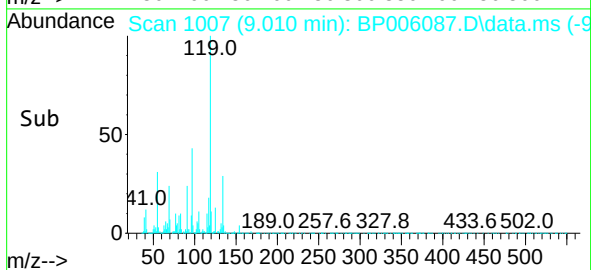
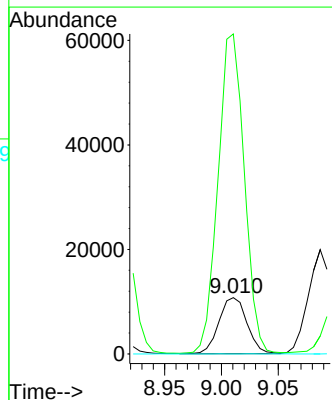
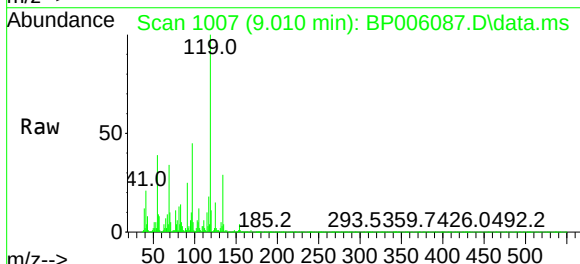
Instrument :  
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ClientSampleId :  
PILE-1-062421

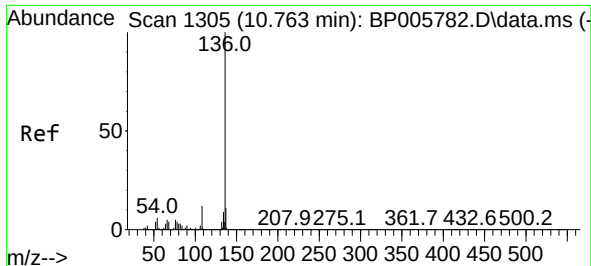
Tgt Ion: 99 Resp: 490197  
Ion Ratio Lower Upper  
99 100  
42 14.1 13.4 20.0  
71 35.0 30.6 46.0



#18  
Hexachloroethane  
Concen: 7.258 ng  
RT: 9.010 min Scan# 1007  
Delta R.T. 0.030 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion: 117 Resp: 18365  
Ion Ratio Lower Upper  
117 100  
119 567.9 76.2 114.2#  
201 0.1 83.4 125.0#

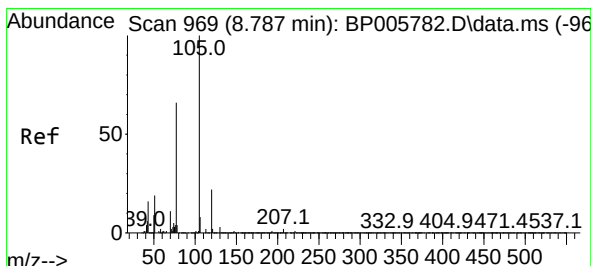
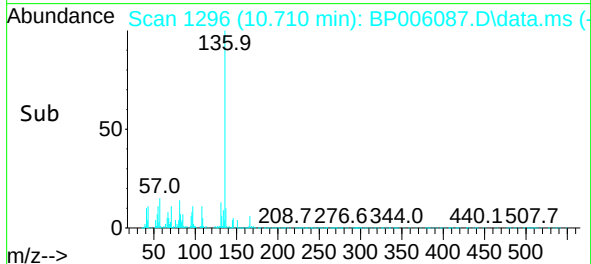
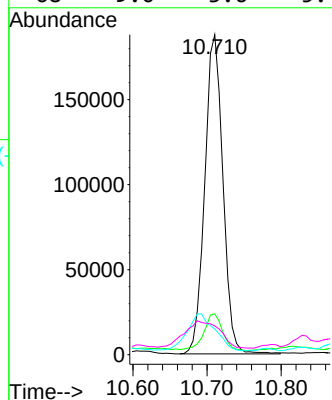
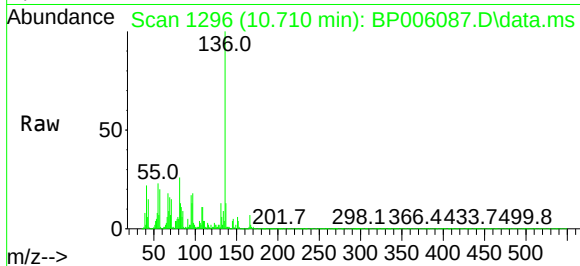




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.710 min Scan# 1296  
Delta R.T. 0.000 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

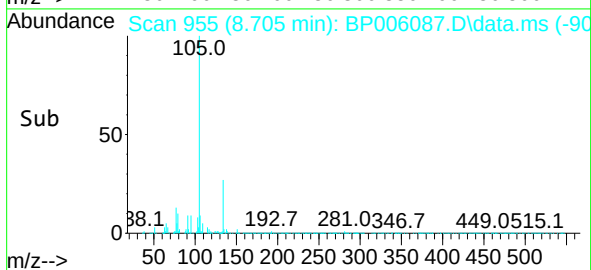
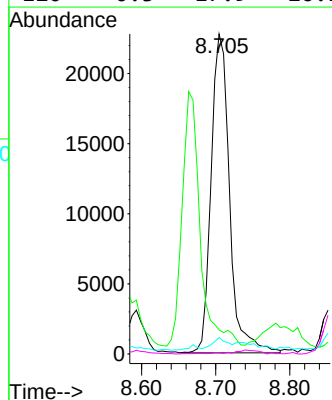
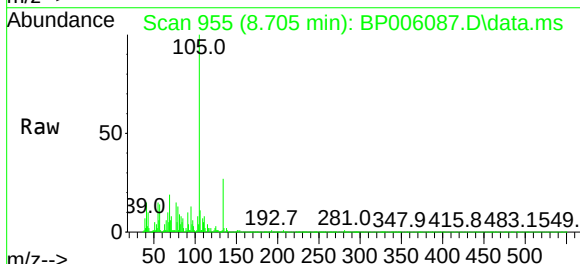
Instrument :  
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ClientSampleId :  
PILE-1-062421

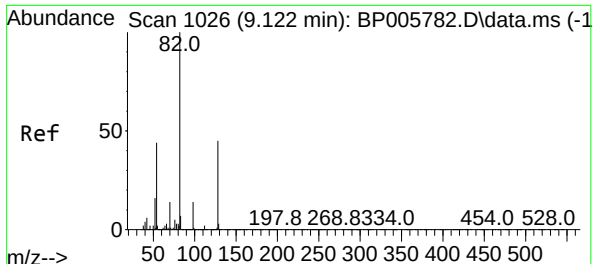
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 319329 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 12.8  | 8.6   | 12.8   |
| 54        | 8.0   | 4.6   | 6.8#   |
| 68        | 9.0   | 3.6   | 5.4#   |



#22  
Acetophenone  
Concen: 4.676 ng  
RT: 8.705 min Scan# 955  
Delta R.T. -0.029 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 39298 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 71        | 7.6   | 1.9   | 2.9#  |
| 51        | 5.1   | 18.4  | 27.6# |
| 120       | 0.3   | 17.9  | 26.9# |

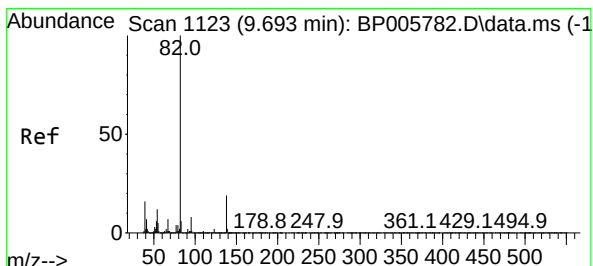
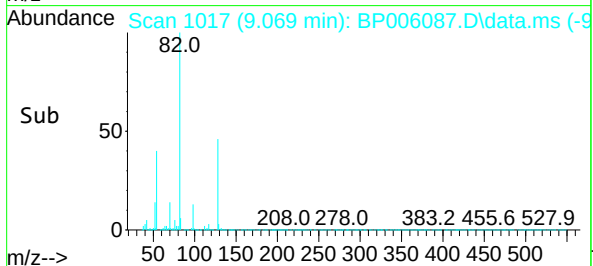
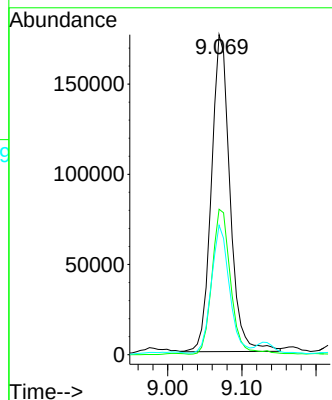
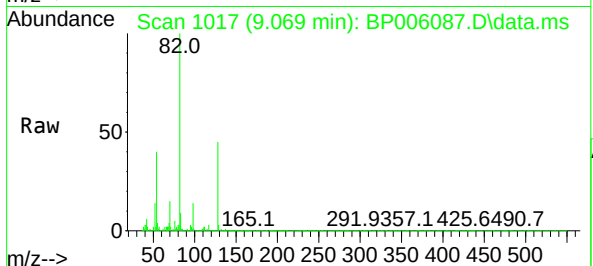




#23  
Nitrobenzene-d5  
Concen: 47.104 ng  
RT: 9.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

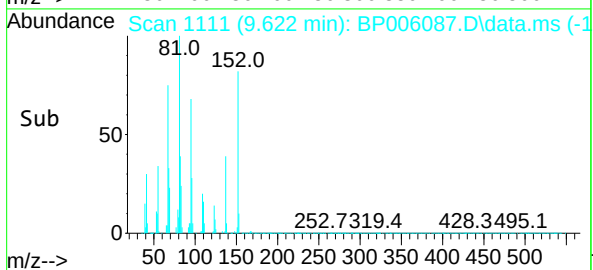
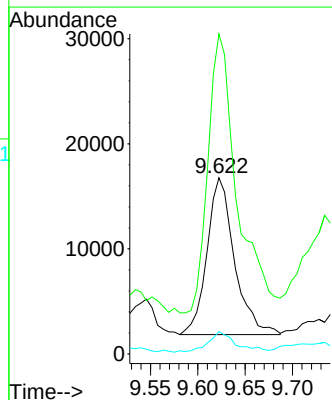
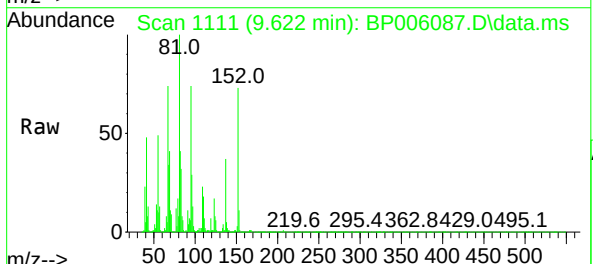
Instrument :  
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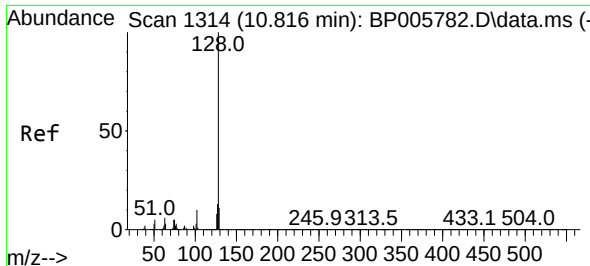
Tgt Ion: 82 Resp: 306801  
Ion Ratio Lower Upper  
82 100  
128 45.4 35.7 53.5  
54 40.4 35.0 52.4



#25  
Isophorone  
Concen: 2.508 ng  
RT: 9.622 min Scan# 1111  
Delta R.T. -0.023 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion: 82 Resp: 30162  
Ion Ratio Lower Upper  
82 100  
95 181.7 6.5 9.7#  
138 12.8 15.0 22.4#

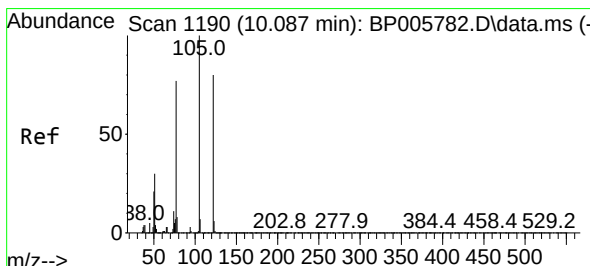
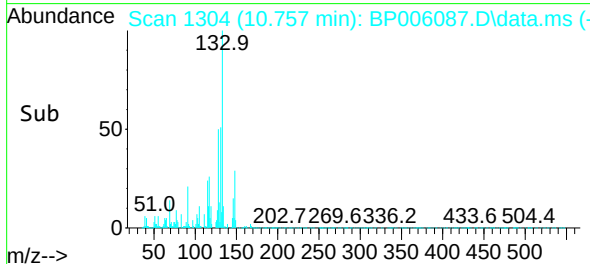
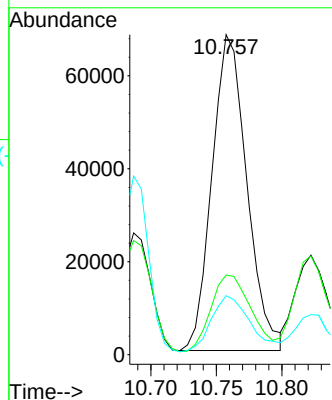
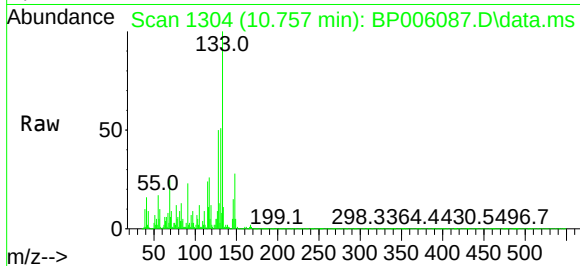




#31  
Naphthalene  
Concen: 6.806 ng  
RT: 10.757 min Scan# 1304  
Delta R.T. 0.000 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

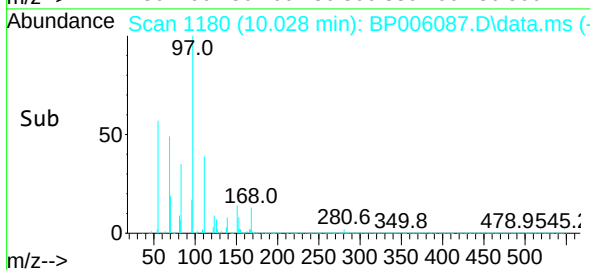
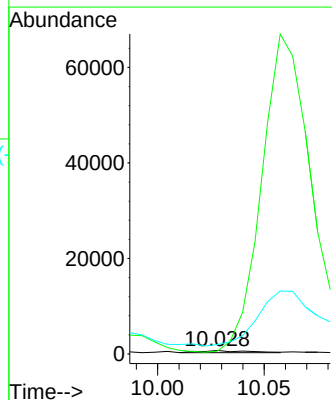
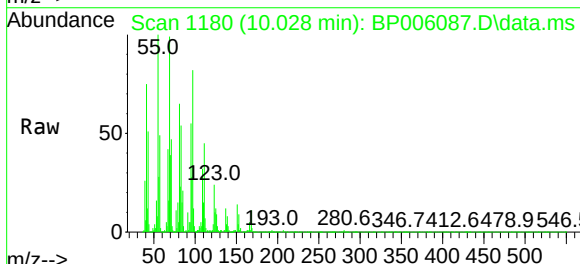
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

Tgt Ion:128 Resp: 125753  
Ion Ratio Lower Upper  
128 100  
129 24.9 9.0 13.6#  
127 18.5 10.7 16.1#

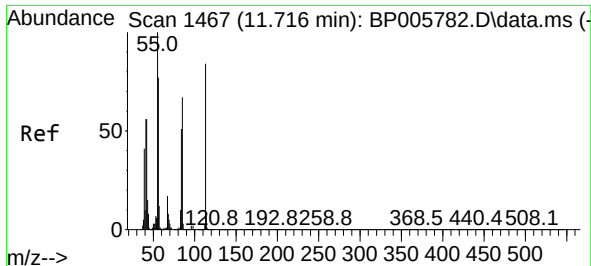


#32  
Benzoic acid  
Concen: 6.492 ng  
RT: 10.028 min Scan# 1180  
Delta R.T. -0.053 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:122 Resp: 716  
Ion Ratio Lower Upper  
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105 84.7 103.2 143.2#  
77 274.9 76.2 116.2#



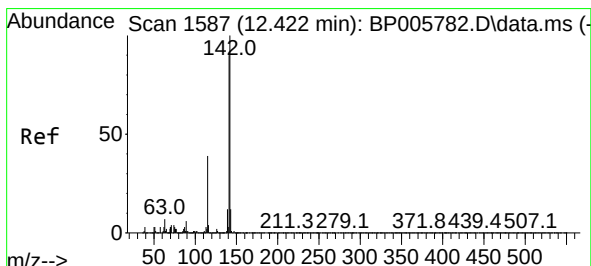
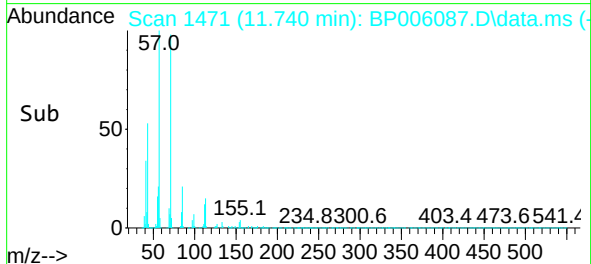
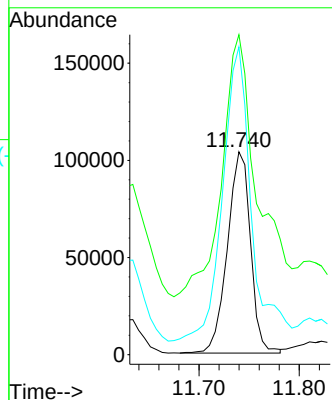
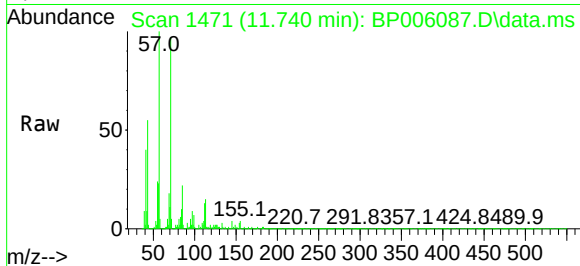




#35  
Caprolactam  
Concen: 99.675 ng  
RT: 11.740 min Scan# 1471  
Delta R.T. 0.053 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

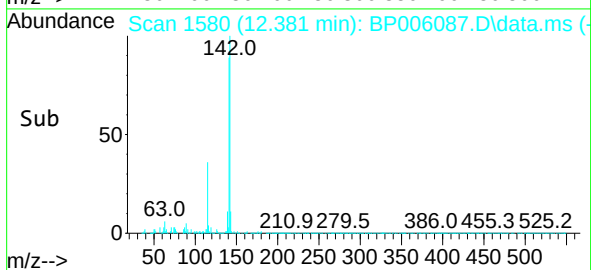
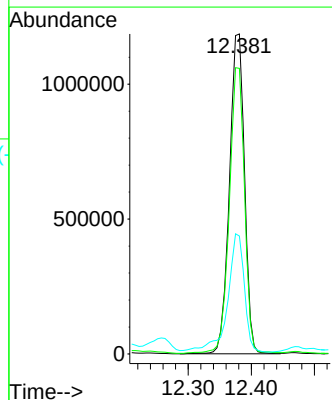
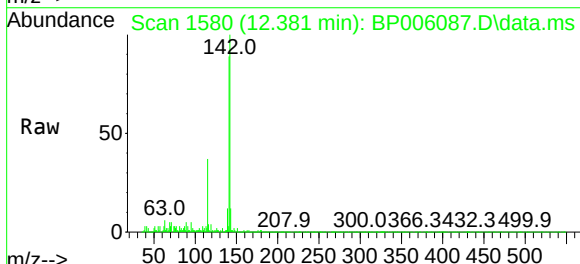
Instrument :  
BNA\_P  
ClientSampleId :  
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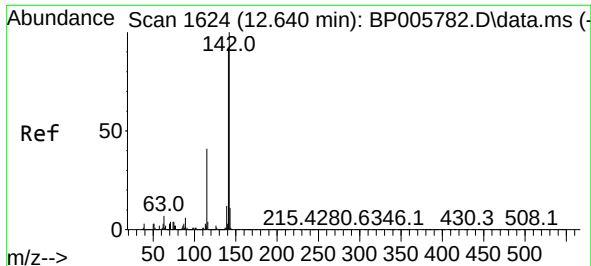
Tgt Ion:113 Resp: 165879  
Ion Ratio Lower Upper  
113 100  
55 157.8 98.9 138.9#  
56 151.7 71.7 111.7#



#37  
2-Methylnaphthalene  
Concen: 149.405 ng  
RT: 12.381 min Scan# 1580  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:142 Resp: 1965377  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.8 107.6  
115 36.8 31.6 47.4

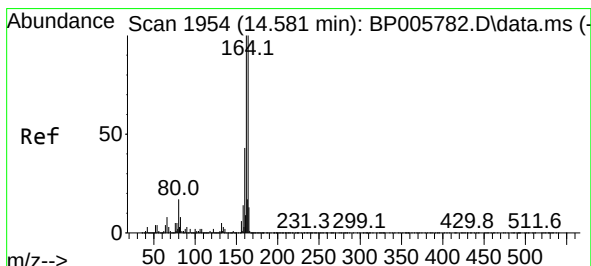
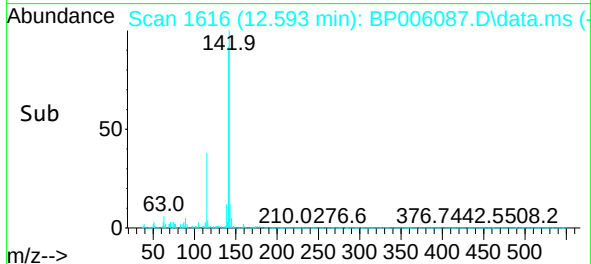
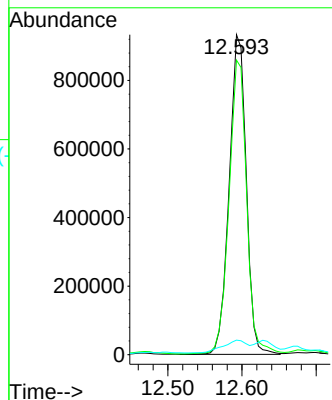
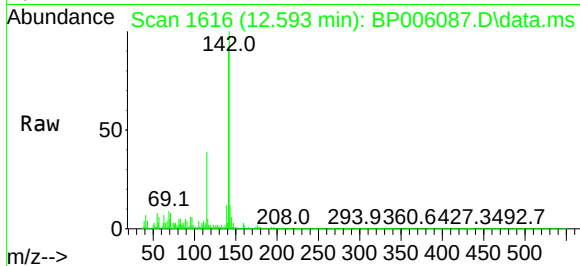




#38  
1-Methylnaphthalene  
Concen: 120.203 ng  
RT: 12.593 min Scan# 1616  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

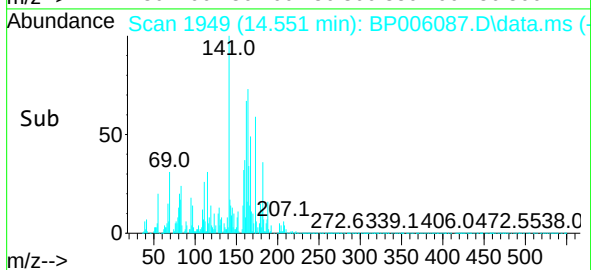
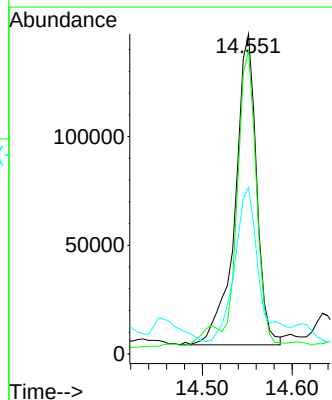
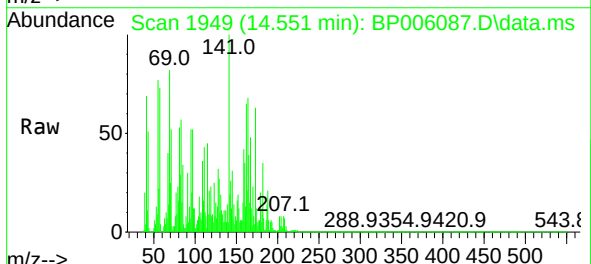
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

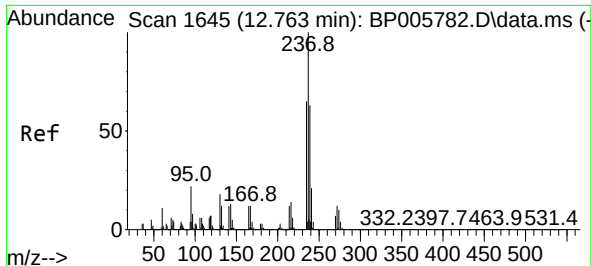
Tgt Ion:142 Resp: 1489435  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.3 109.9  
116 4.6 3.5 5.3



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.551 min Scan# 1949  
Delta R.T. 0.018 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:164 Resp: 238601  
Ion Ratio Lower Upper  
164 100  
162 94.8 80.2 120.2  
160 52.0 34.5 51.7#

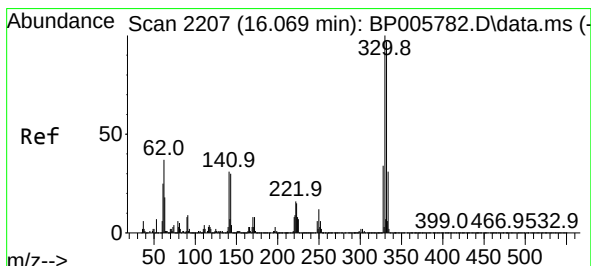
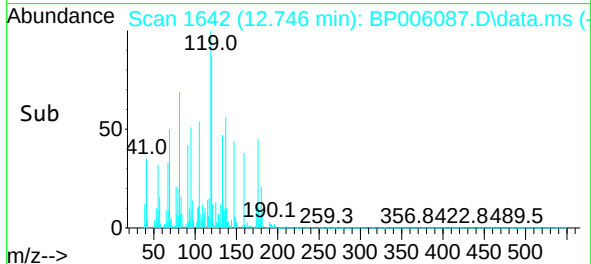
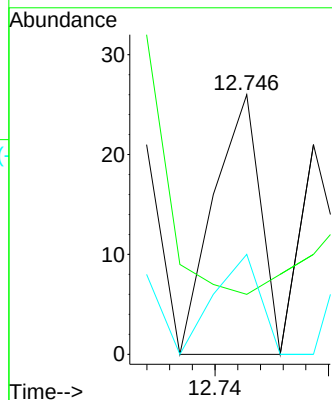
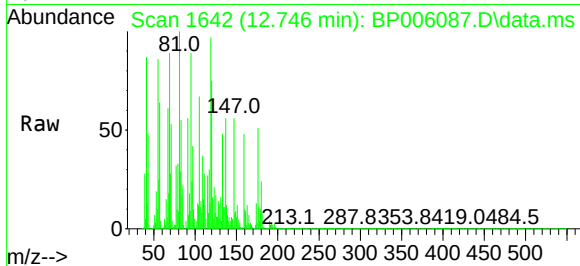




#41  
Hexachlorocyclopentadiene  
Concen: 5.507 ng  
RT: 12.746 min Scan# 1642  
Delta R.T. 0.035 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

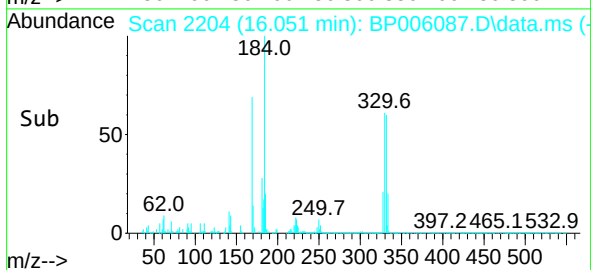
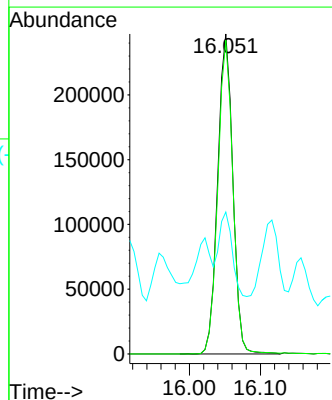
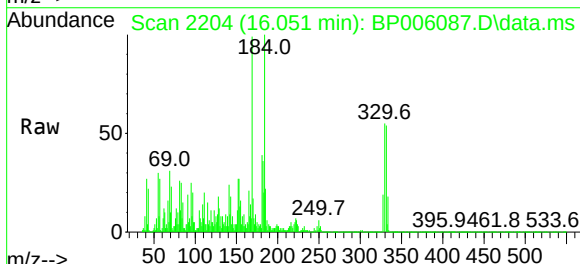
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

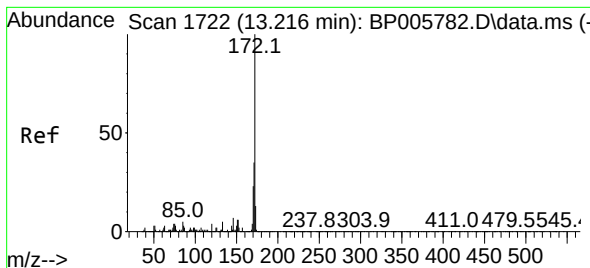
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 237   | Resp: | 15    |
| Ion      | Ratio | Lower | Upper |
| 237      | 100   |       |       |
| 235      | 73.1  | 44.5  | 84.5  |
| 272      | 38.5  | 0.0   | 32.5# |



#42  
2,4,6-Tribromophenol  
Concen: 88.809 ng  
RT: 16.051 min Scan# 2204  
Delta R.T. 0.024 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 330   | Resp: | 363634 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 97.6  | 77.8  | 116.8  |
| 141      | 23.1  | 25.4  | 38.2#  |

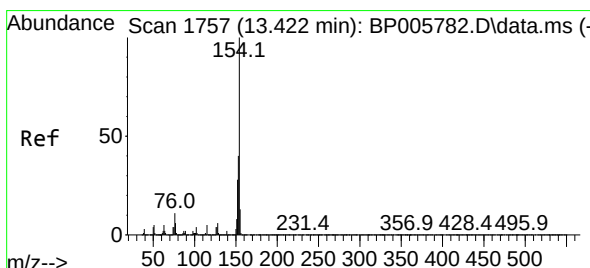
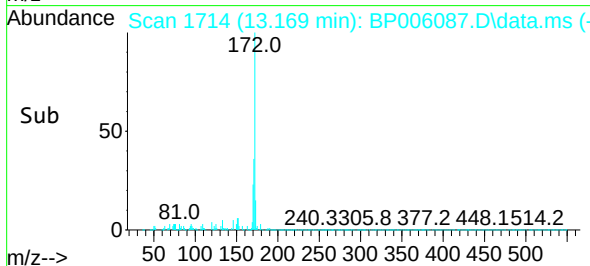
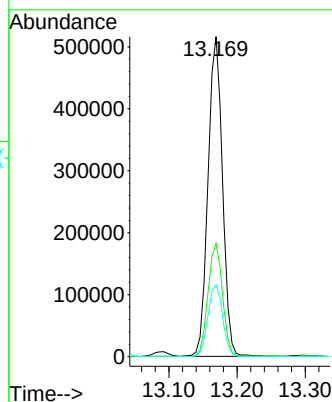
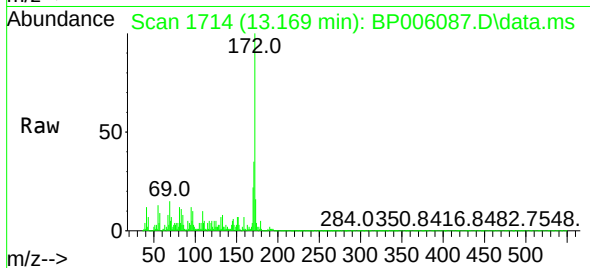




#45  
2-Fluorobiphenyl  
Concen: 41.851 ng  
RT: 13.169 min Scan# 1714  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

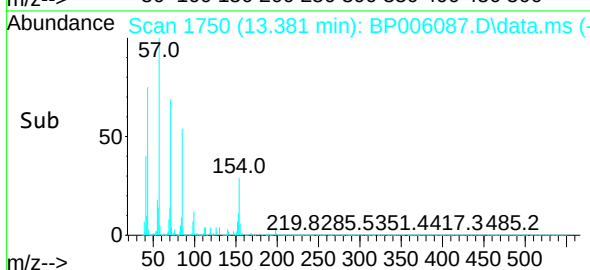
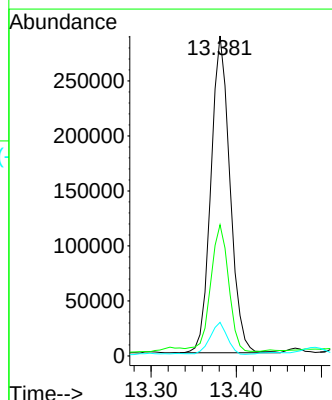
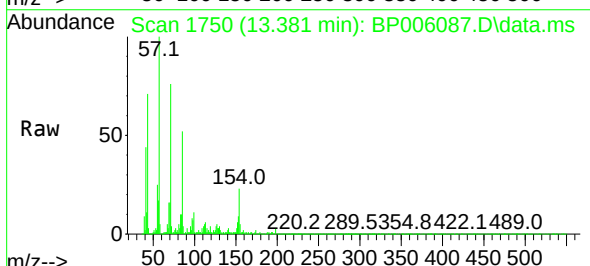
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

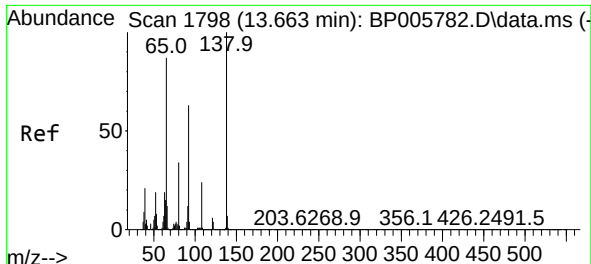
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 760448    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 35.4  | 27.9 41.9 |
| 170         | 22.5  | 18.6 27.8 |



#46  
1,1'-Biphenyl  
Concen: 23.291 ng  
RT: 13.381 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:154 | Resp: | 448077    |
| Ion Ratio   | Lower | Upper     |
| 154         | 100   |           |
| 153         | 41.0  | 20.4 60.4 |
| 76          | 10.5  | 0.0 30.8  |

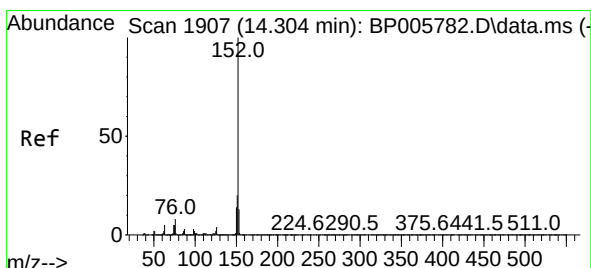
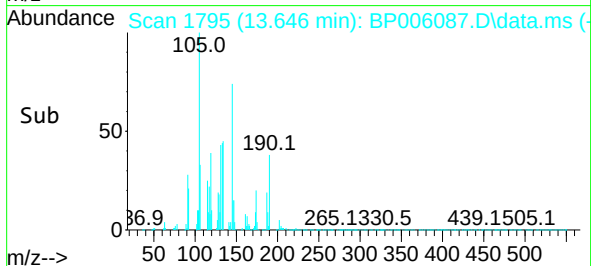
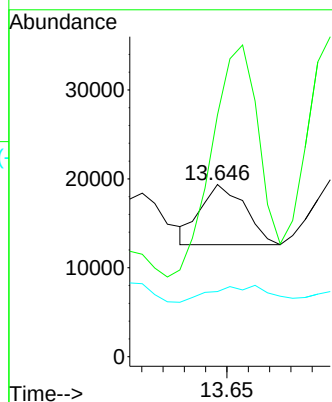
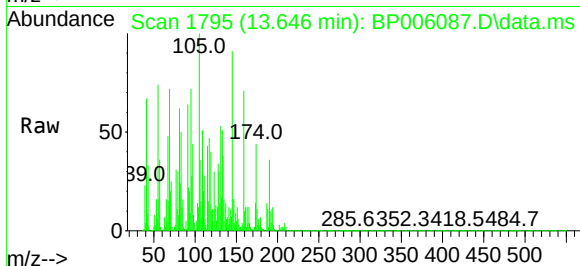




#48  
2-Nitroaniline  
Concen: 2.363 ng  
RT: 13.646 min Scan# 1795  
Delta R.T. 0.018 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

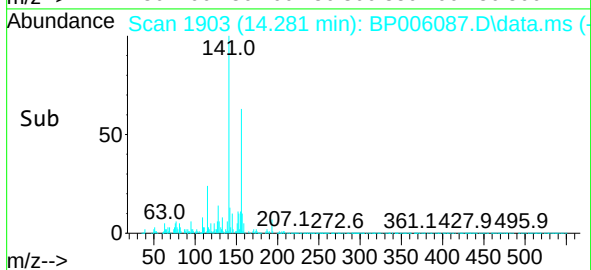
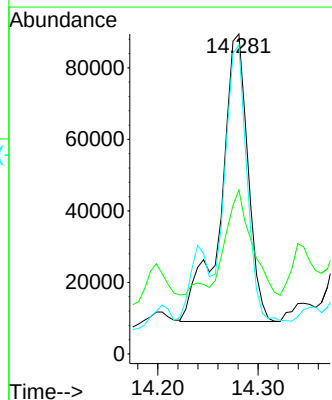
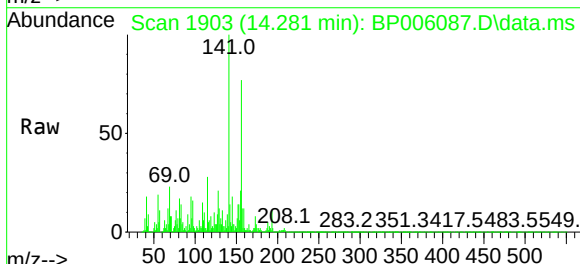
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

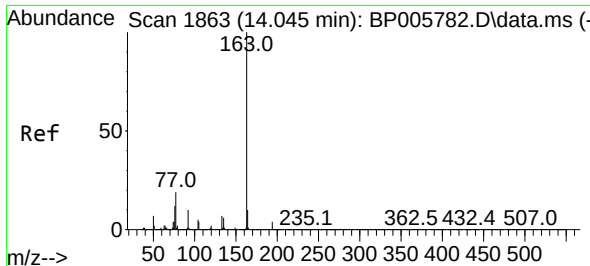
Tgt Ion: 65 Resp: 9761  
Ion Ratio Lower Upper  
65 100  
92 140.4 57.7 86.5#  
138 37.8 92.1 138.1#



#49  
Acenaphthylene  
Concen: 6.265 ng  
RT: 14.281 min Scan# 1903  
Delta R.T. 0.024 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:152 Resp: 150994  
Ion Ratio Lower Upper  
152 100  
151 51.3 16.2 24.2#  
153 96.6 10.6 16.0#

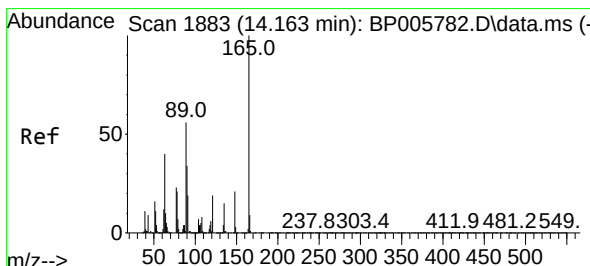
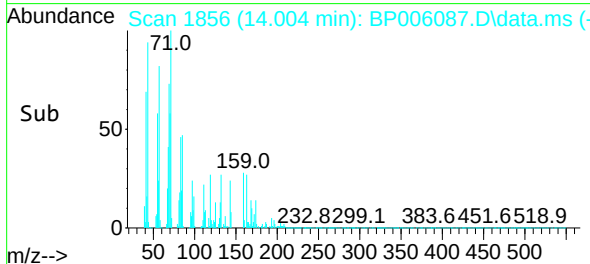
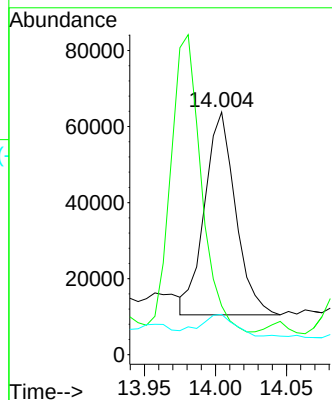
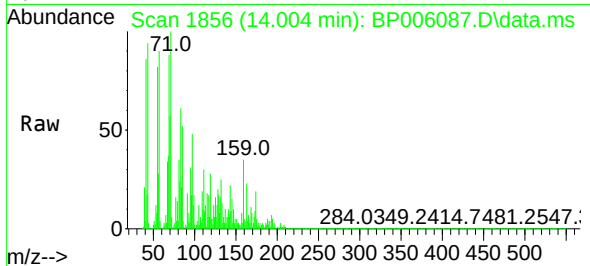




#50  
Dimethylphthalate  
Concen: 4.118 ng  
RT: 14.004 min Scan# 1856  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

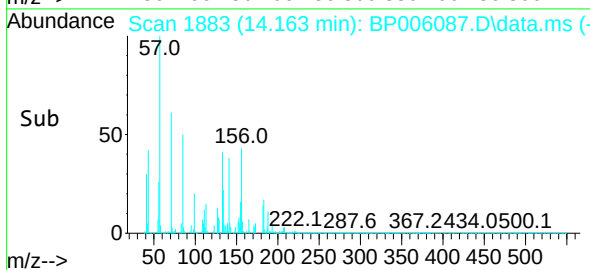
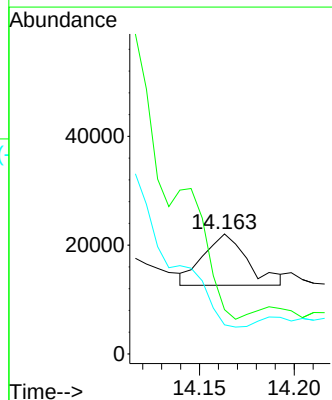
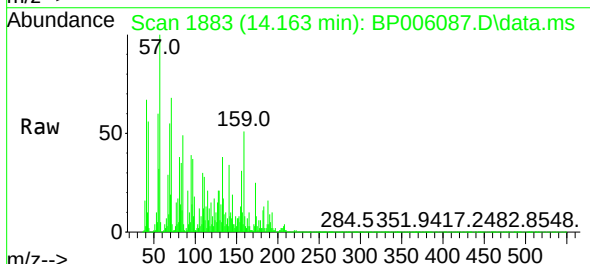
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

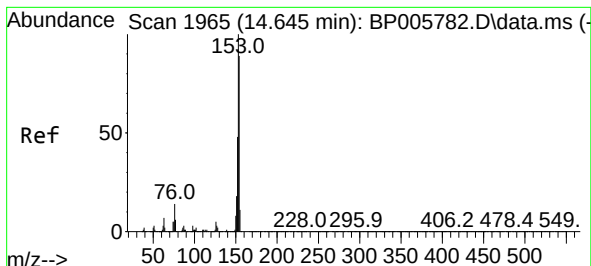
Tgt Ion:163 Resp: 80785  
Ion Ratio Lower Upper  
163 100  
194 20.1 3.4 5.2#  
164 16.6 8.2 12.2#



#51  
2,6-Dinitrotoluene  
Concen: 3.401 ng  
RT: 14.163 min Scan# 1883  
Delta R.T. 0.041 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:165 Resp: 15165  
Ion Ratio Lower Upper  
165 100  
63 37.0 41.3 61.9#  
89 24.3 44.8 67.2#

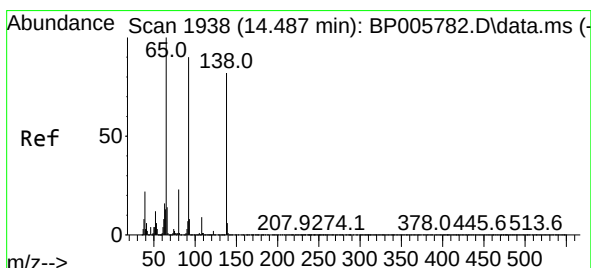
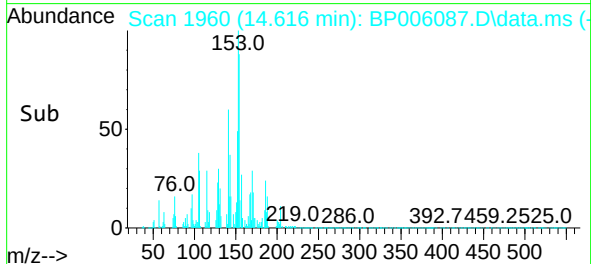
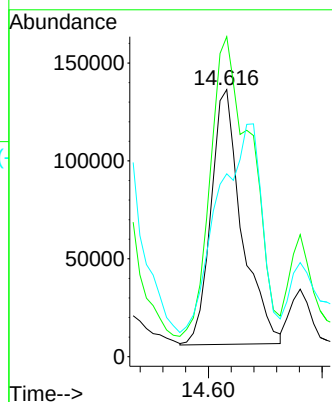
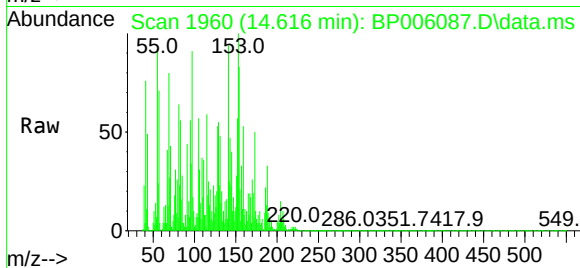




#52  
Acenaphthene  
Concen: 16.724 ng  
RT: 14.616 min Scan# 1960  
Delta R.T. 0.018 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

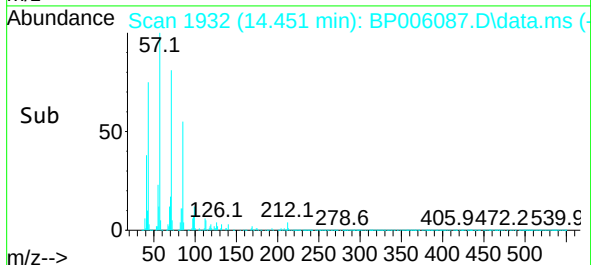
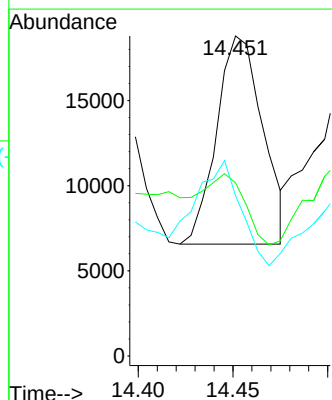
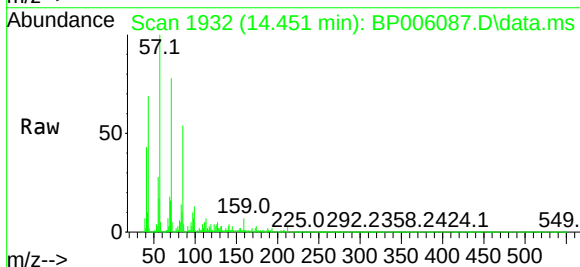
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

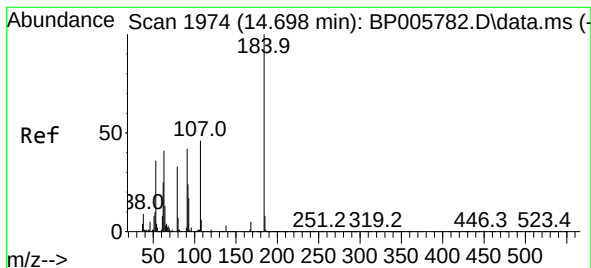
Tgt Ion:154 Resp: 244771  
Ion Ratio Lower Upper  
154 100  
153 119.8 89.4 134.2  
152 68.5 43.0 64.4#



#53  
3-Nitroaniline  
Concen: 4.805 ng  
RT: 14.451 min Scan# 1932  
Delta R.T. -0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:138 Resp: 20766  
Ion Ratio Lower Upper  
138 100  
108 54.1 8.4 12.6#  
92 50.1 87.8 131.8#

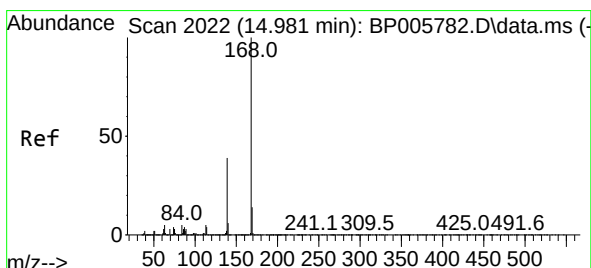
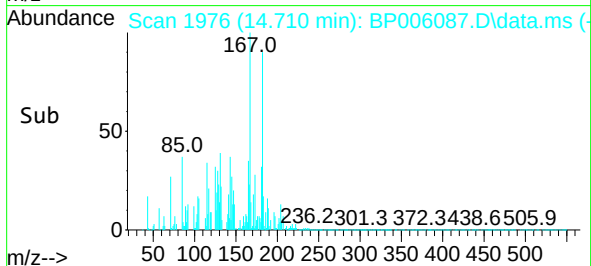
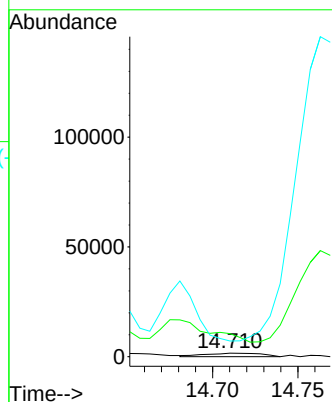
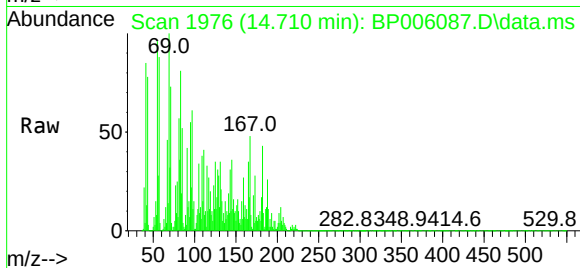




#54  
2,4-Dinitrophenol  
Concen: 6.152 ng  
RT: 14.710 min Scan# 1976  
Delta R.T. 0.035 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

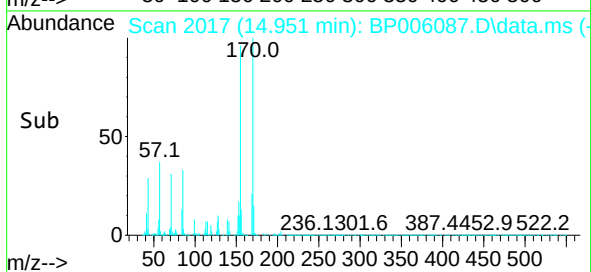
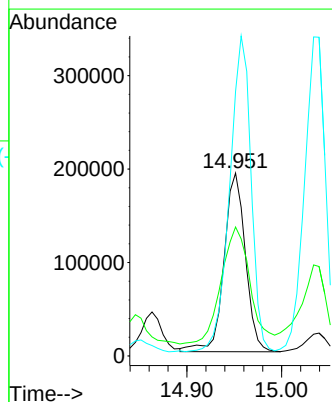
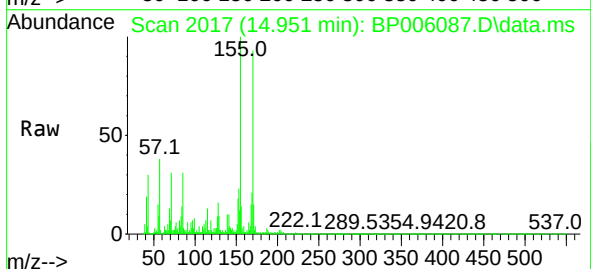
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

Tgt Ion:184 Resp: 3678  
Ion Ratio Lower Upper  
184 100  
63 664.4 47.0 70.6#  
154 453.1 52.3 78.5#

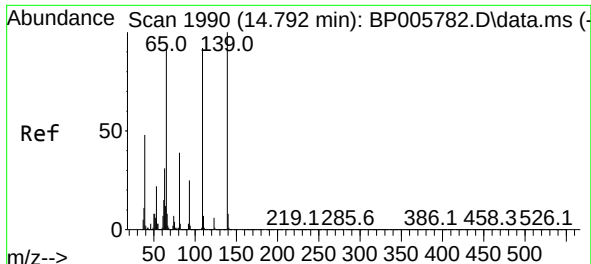


#55  
Dibenzofuran  
Concen: 12.497 ng  
RT: 14.951 min Scan# 2017  
Delta R.T. 0.018 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:168 Resp: 300807  
Ion Ratio Lower Upper  
168 100  
139 70.5 31.0 46.6#  
169 144.7 10.8 16.2#



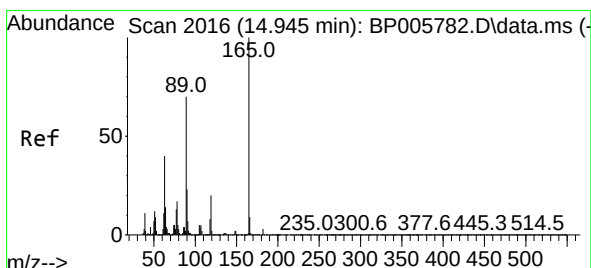
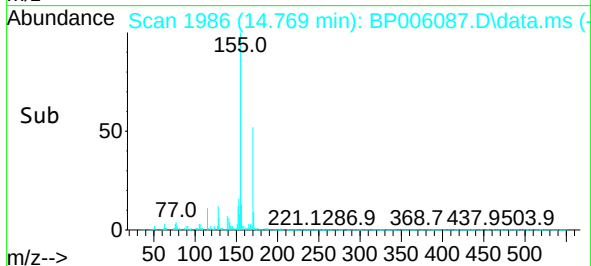
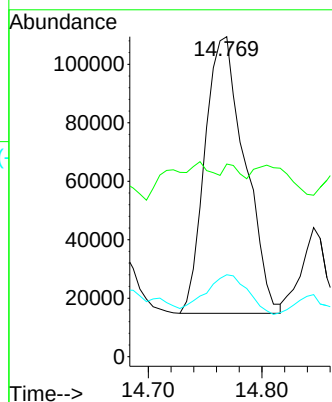
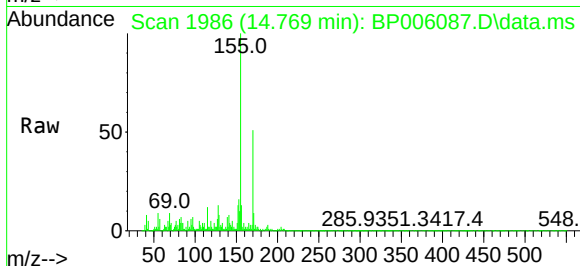




#56  
4-Nitrophenol  
Concen: 66.113 ng  
RT: 14.769 min Scan# 1986  
Delta R.T. -0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

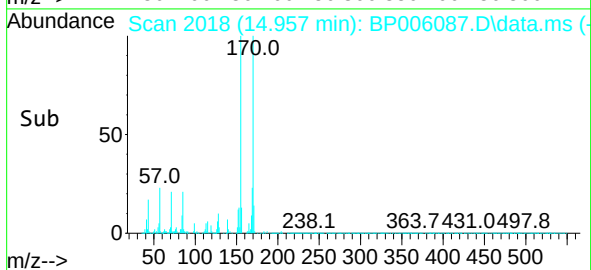
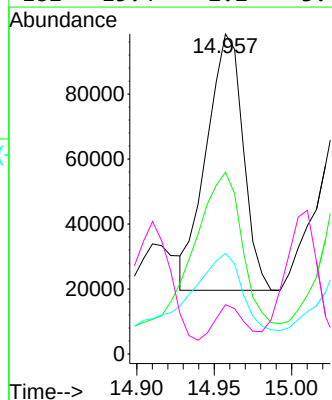
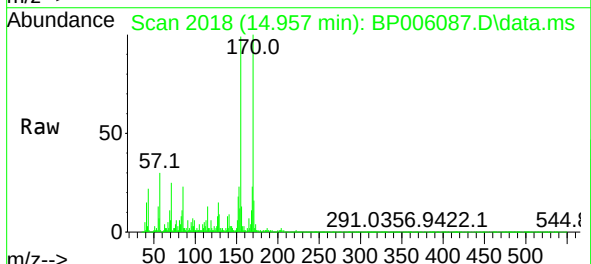
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

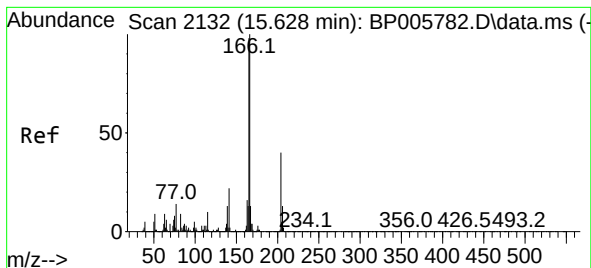
Tgt Ion:139 Resp: 231591  
Ion Ratio Lower Upper  
139 100  
109 60.2 72.3 112.3#  
65 25.6 72.5 112.5#



#57  
2,4-Dinitrotoluene  
Concen: 21.765 ng  
RT: 14.957 min Scan# 2018  
Delta R.T. 0.041 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:165 Resp: 129802  
Ion Ratio Lower Upper  
165 100  
63 56.8 32.3 48.5#  
89 31.4 55.9 83.9#  
182 15.4 2.2 3.4#





#58

Fluorene

Concen: 20.868 ng

RT: 15.604 min Scan# 2128

Delta R.T. 0.024 min

Lab File: BP006087.D

Acq: 28 Jun 2021 20:41

Instrument :

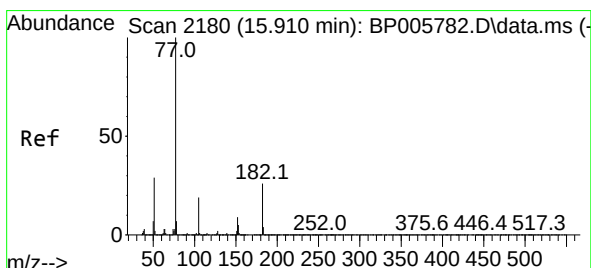
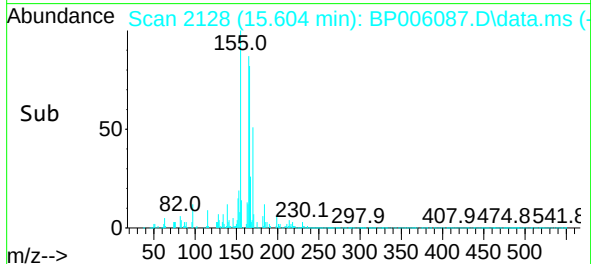
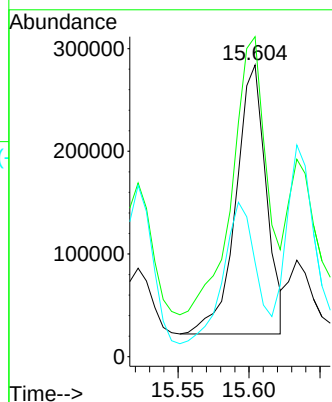
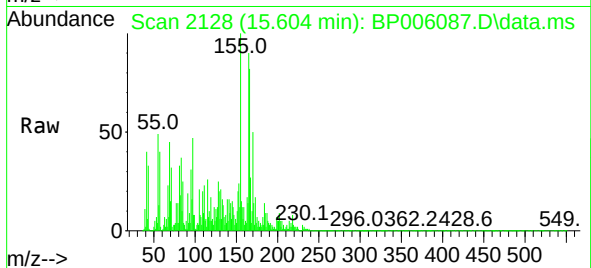
BNA\_P

ClientSampleId :

PILE-1-062421

Tgt Ion:166 Resp: 391359

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 109.7 | 78.0  | 117.0 |
| 167 | 32.4  | 10.5  | 15.7# |



#63

Azobenzene

Concen: 2.790 ng

RT: 15.887 min Scan# 2176

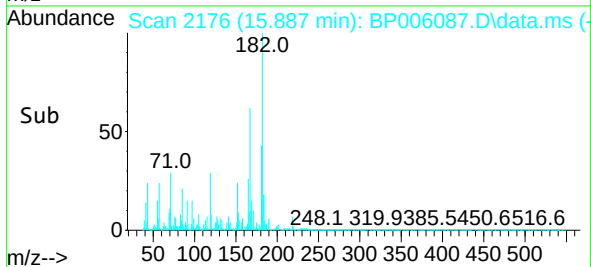
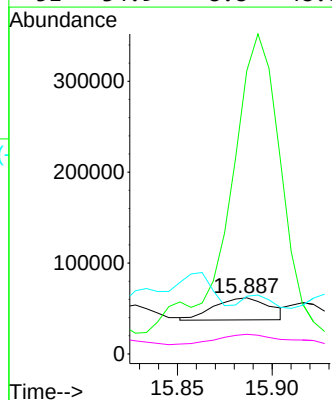
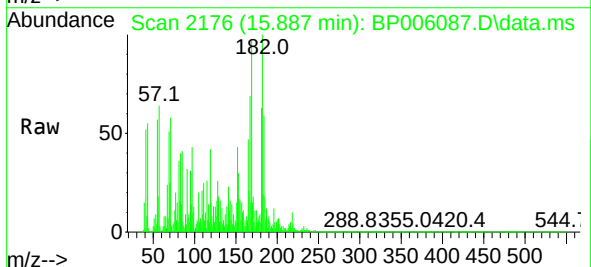
Delta R.T. 0.018 min

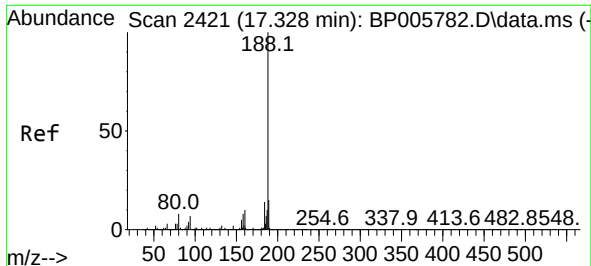
Lab File: BP006087.D

Acq: 28 Jun 2021 20:41

Tgt Ion: 77 Resp: 49685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 503.8 | 6.0   | 46.0# |
| 105 | 102.8 | 0.0   | 38.8# |
| 51  | 34.9  | 8.8   | 48.8  |

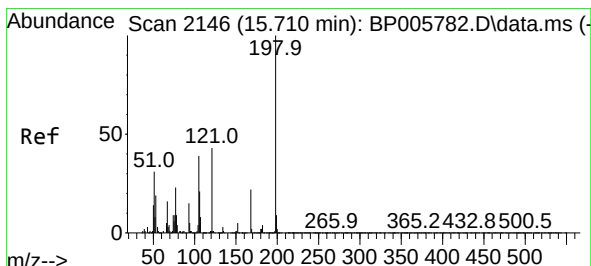
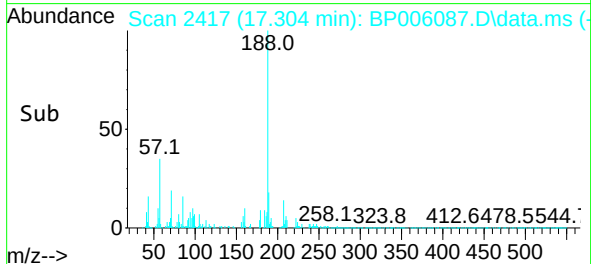
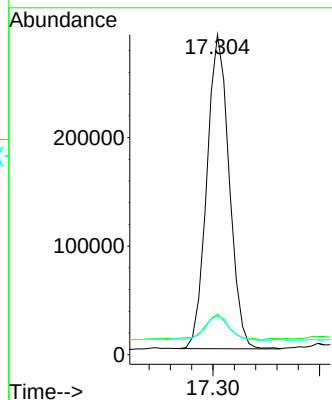
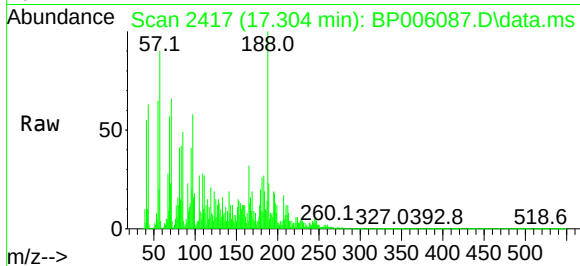




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.304 min Scan# 2417  
Delta R.T. 0.024 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

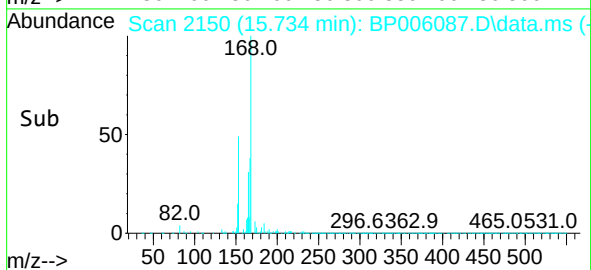
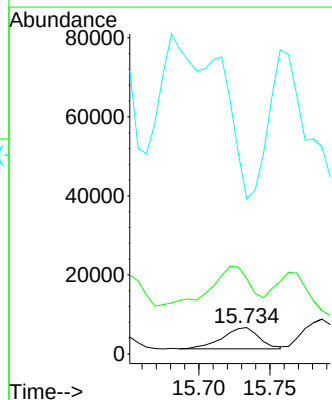
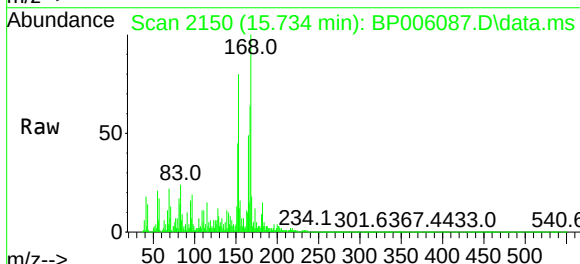
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

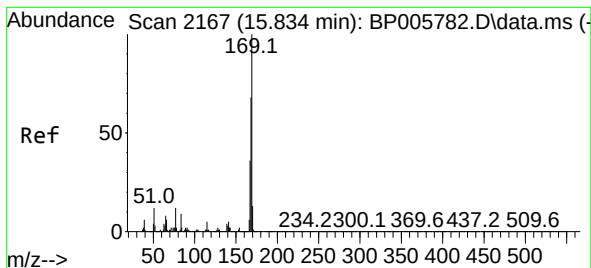
Tgt Ion:188 Resp: 420863  
Ion Ratio Lower Upper  
188 100  
94 12.7 5.6 8.4#  
80 12.1 6.3 9.5#



#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.136 ng  
RT: 15.734 min Scan# 2150  
Delta R.T. 0.053 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:198 Resp: 9700  
Ion Ratio Lower Upper  
198 100  
51 286.0 14.0 54.0#  
105 588.6 19.5 59.5#

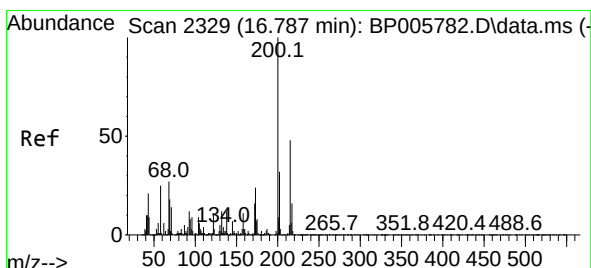
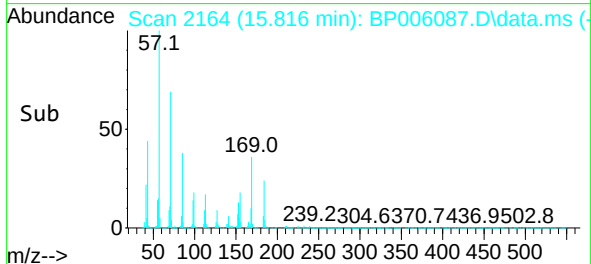
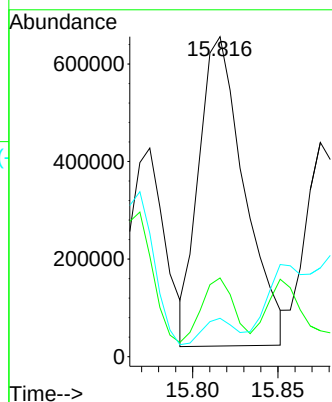
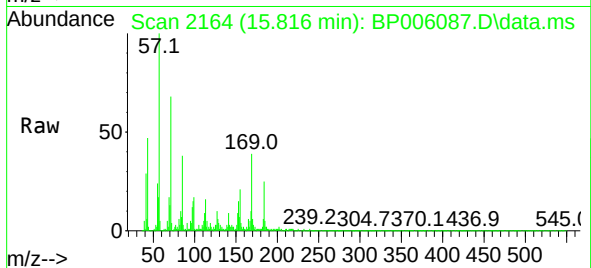




#66  
n-Nitrosodiphenylamine  
Concen: 84.487 ng  
RT: 15.816 min Scan# 2164  
Delta R.T. 0.024 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

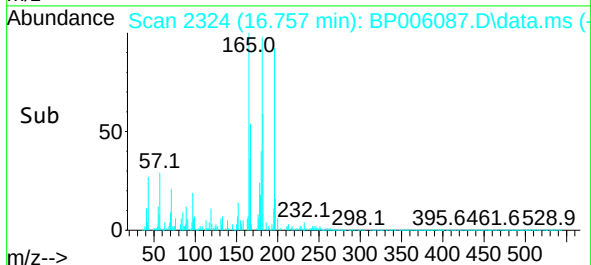
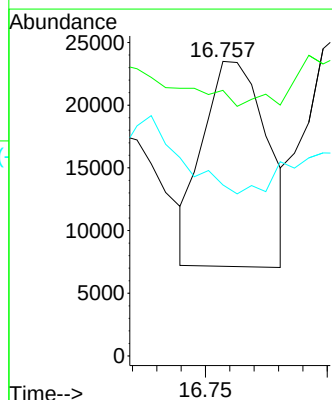
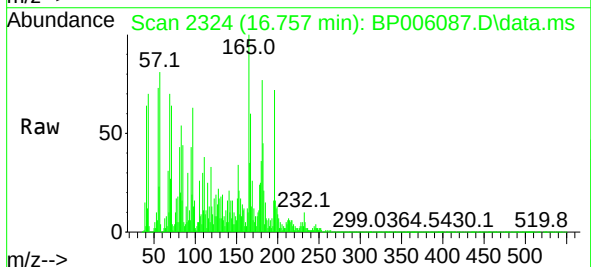
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

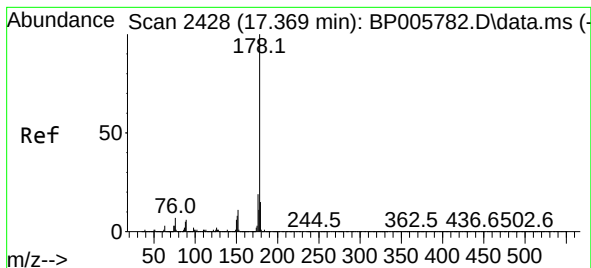
Tgt Ion:169 Resp: 1179137  
Ion Ratio Lower Upper  
169 100  
168 24.6 54.4 81.6#  
167 12.0 29.0 43.6#



#69  
Atrazine  
Concen: 6.889 ng  
RT: 16.757 min Scan# 2324  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:200 Resp: 29914  
Ion Ratio Lower Upper  
200 100  
173 90.2 4.1 44.1#  
215 58.1 27.7 67.7

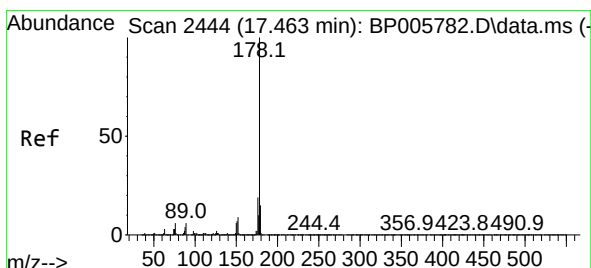
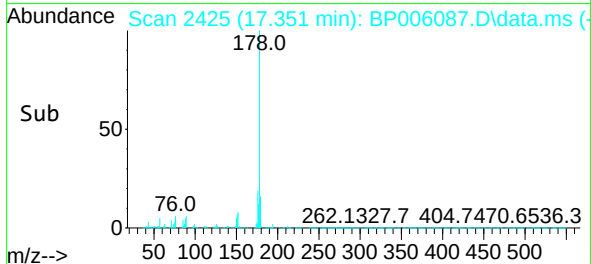
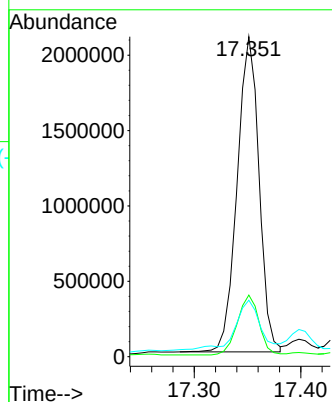
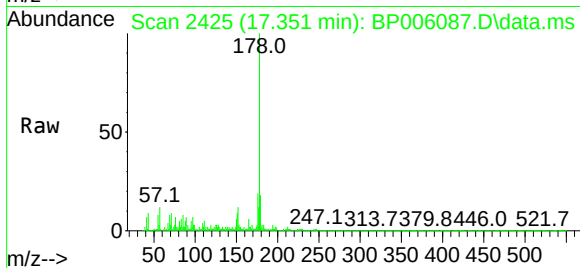




#71  
Phenanthrene  
Concen: 118.292 ng  
RT: 17.351 min Scan# 2425  
Delta R.T. 0.024 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

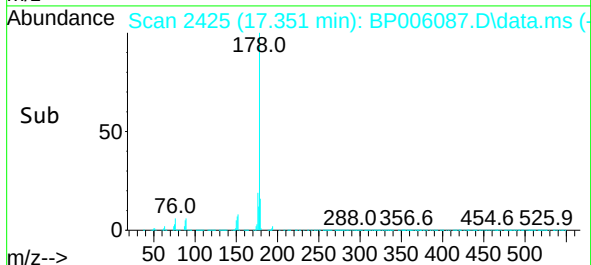
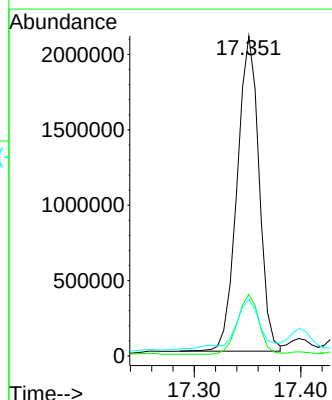
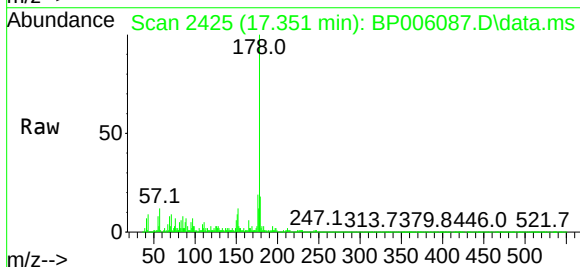
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

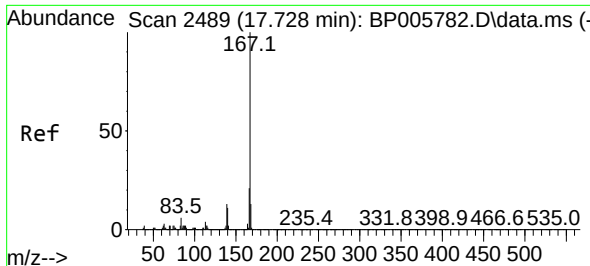
Tgt Ion:178 Resp: 2989799  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.1 22.7  
179 17.6 12.4 18.6



#72  
Anthracene  
Concen: 120.193 ng  
RT: 17.351 min Scan# 2425  
Delta R.T. -0.065 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:178 Resp: 2989799  
Ion Ratio Lower Upper  
178 100  
176 19.3 14.9 22.3  
179 17.6 12.2 18.2

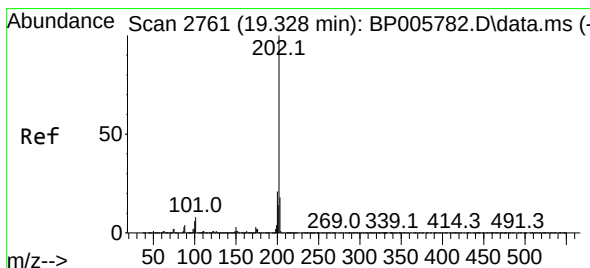
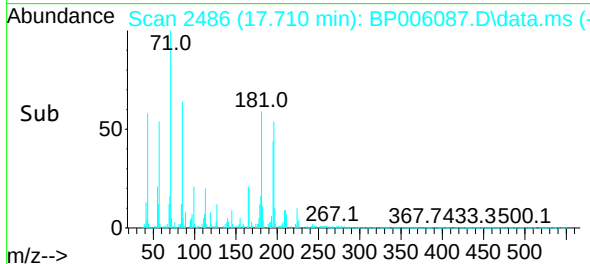
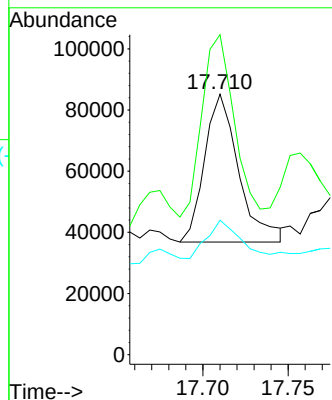
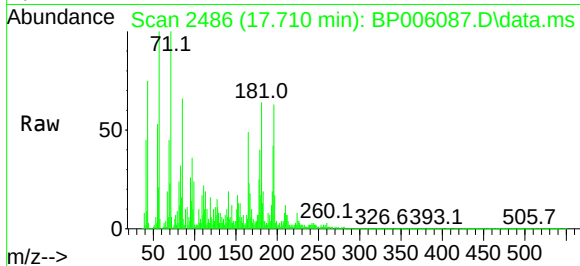




#73  
 Carbazole  
 Concen: 2.835 ng  
 RT: 17.710 min Scan# 2486  
 Delta R.T. 0.018 min  
 Lab File: BP006087.D  
 Acq: 28 Jun 2021 20:41

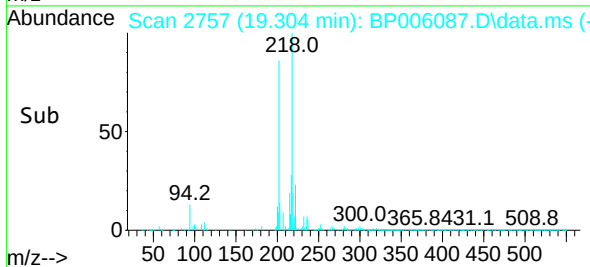
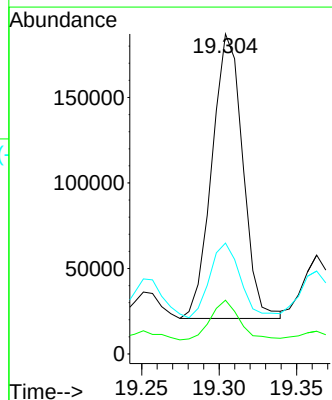
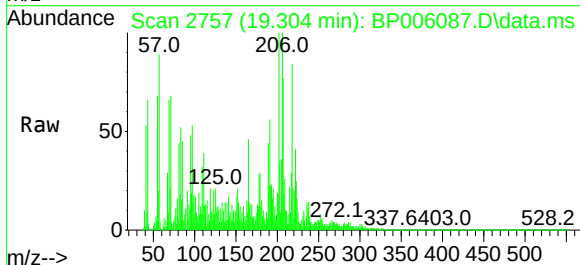
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PILE-1-062421

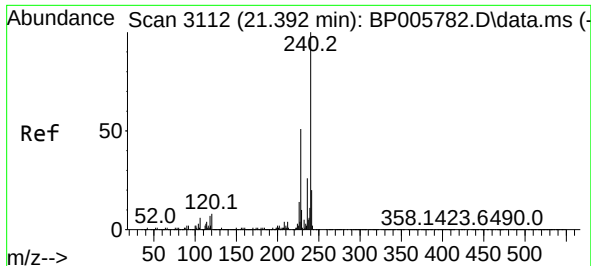
Tgt Ion:167 Resp: 67714  
 Ion Ratio Lower Upper  
 167 100  
 166 122.8 17.1 25.7#  
 139 51.6 10.7 16.1#



#75  
 Fluoranthene  
 Concen: 7.512 ng  
 RT: 19.304 min Scan# 2757  
 Delta R.T. 0.018 min  
 Lab File: BP006087.D  
 Acq: 28 Jun 2021 20:41

Tgt Ion:202 Resp: 230588  
 Ion Ratio Lower Upper  
 202 100  
 101 16.8 0.0 27.6  
 203 34.7 0.0 37.8

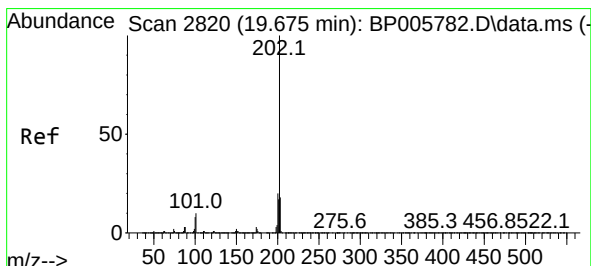
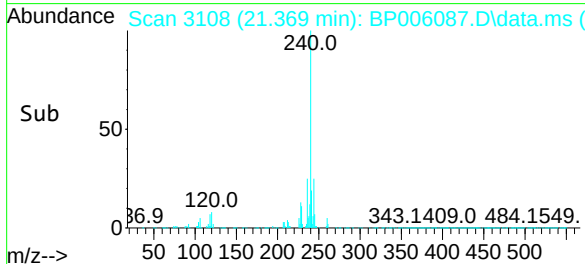
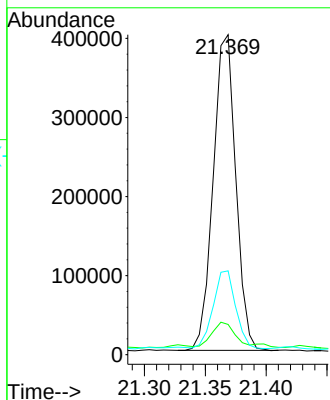
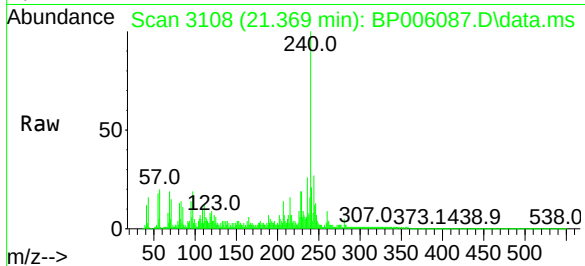




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.369 min Scan# 3108  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

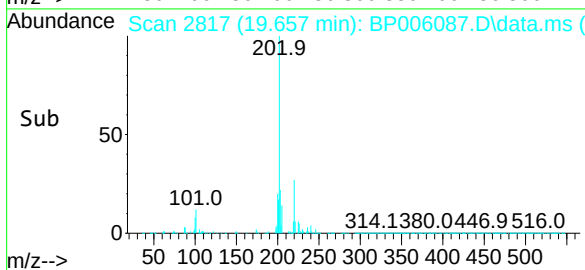
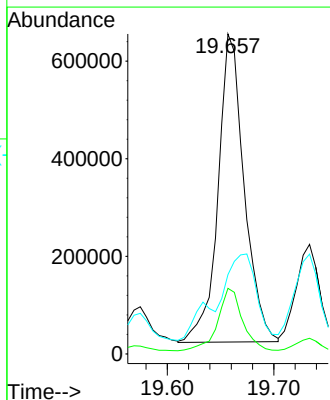
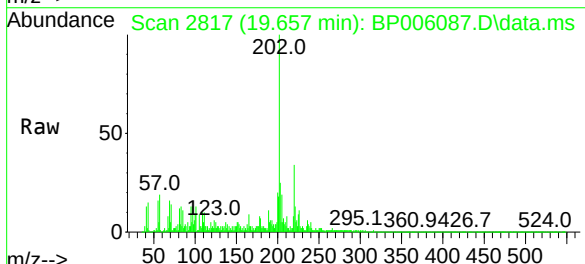
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

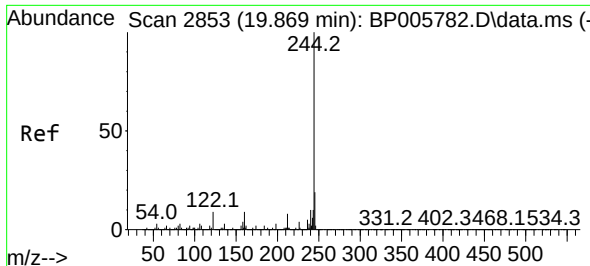
Tgt Ion:240 Resp: 515131  
Ion Ratio Lower Upper  
240 100  
120 9.5 6.5 9.7  
236 26.2 20.6 31.0



#78  
Pyrene  
Concen: 29.987 ng  
RT: 19.657 min Scan# 2817  
Delta R.T. 0.018 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:202 Resp: 1078385  
Ion Ratio Lower Upper  
202 100  
200 20.5 16.3 24.5  
203 24.8 14.2 21.2#

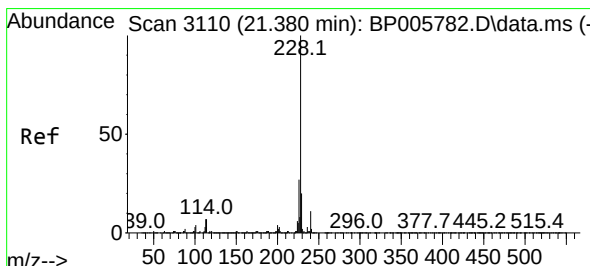
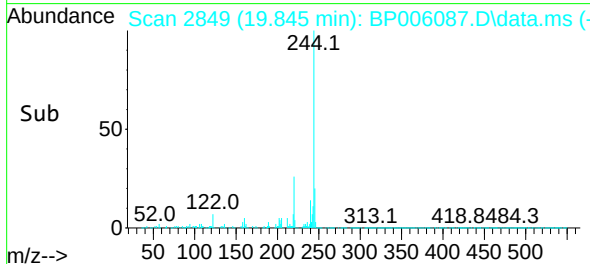
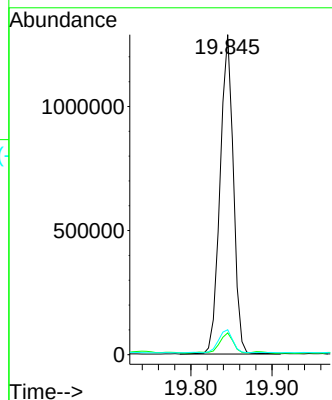
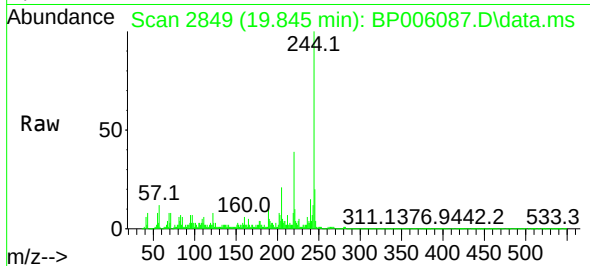




#79  
Terphenyl-d14  
Concen: 53.493 ng  
RT: 19.845 min Scan# 2849  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

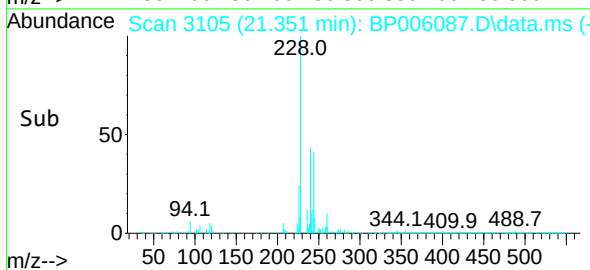
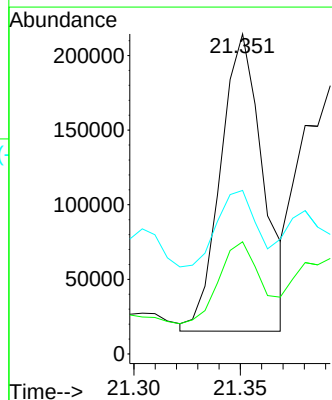
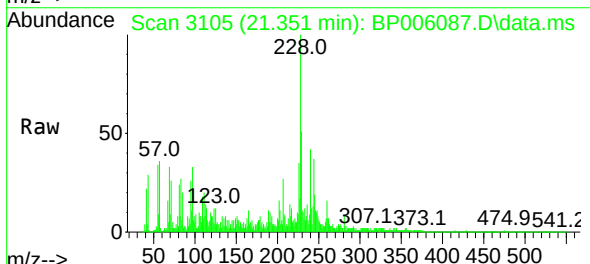
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

Tgt Ion:244 Resp: 1471611  
Ion Ratio Lower Upper  
244 100  
212 6.8 6.0 9.0  
122 7.8 7.1 10.7

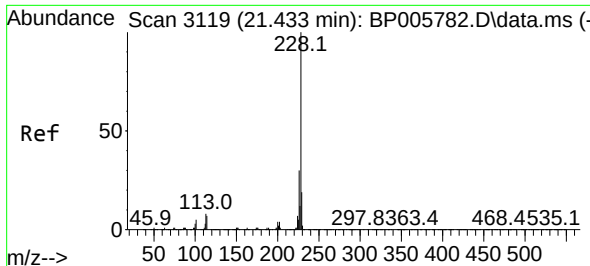


#81  
Benzo(a)anthracene  
Concen: 7.468 ng  
RT: 21.351 min Scan# 3105  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:228 Resp: 277708  
Ion Ratio Lower Upper  
228 100  
226 35.1 21.6 32.4#  
229 51.1 15.8 23.6#



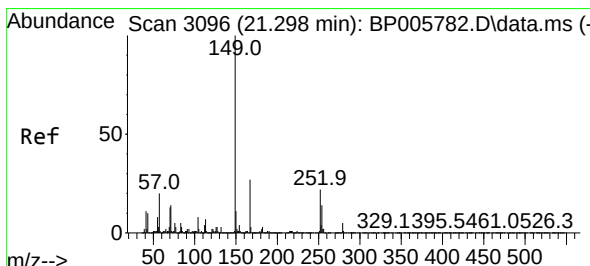
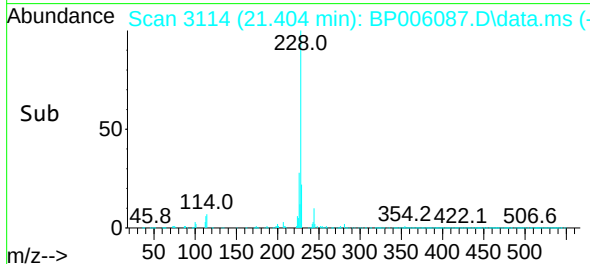
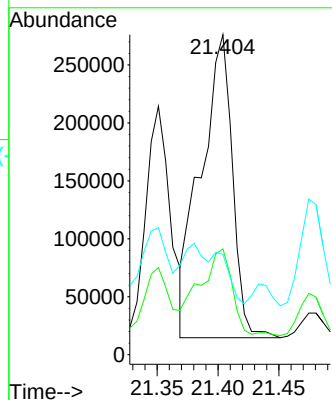
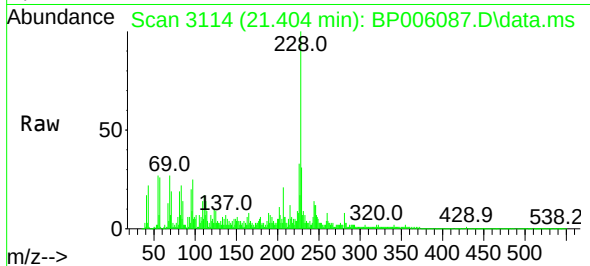




#83  
Chrysene  
Concen: 13.133 ng  
RT: 21.404 min Scan# 3114  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

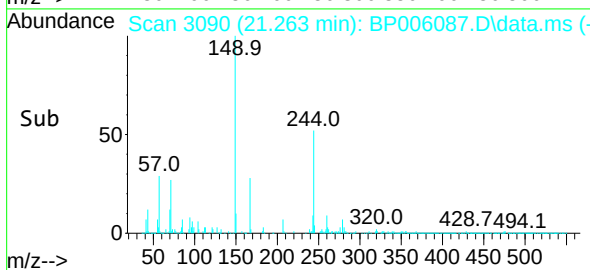
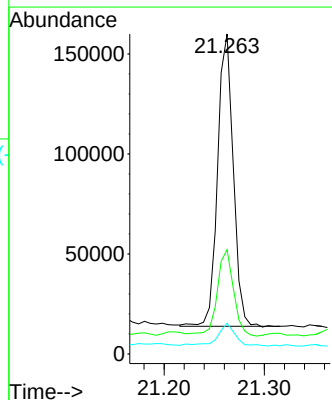
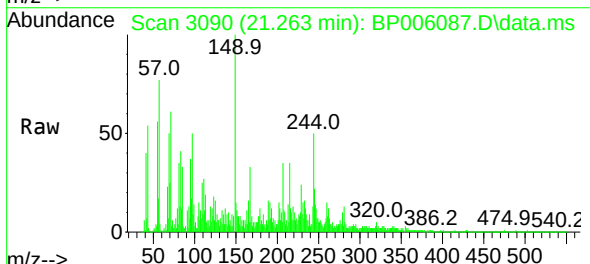
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

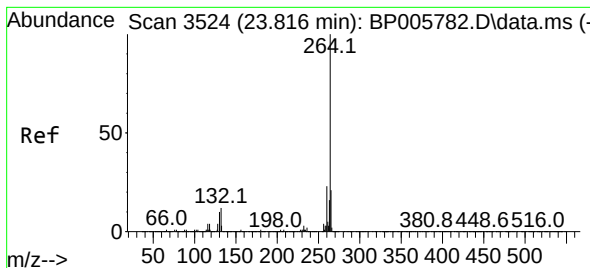
Tgt Ion:228 Resp: 472987  
Ion Ratio Lower Upper  
228 100  
226 33.1 23.8 35.6  
229 31.4 15.4 23.2#



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 7.286 ng  
RT: 21.263 min Scan# 3090  
Delta R.T. 0.006 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

Tgt Ion:149 Resp: 158100  
Ion Ratio Lower Upper  
149 100  
167 32.6 21.9 32.9  
279 9.6 4.3 6.5#

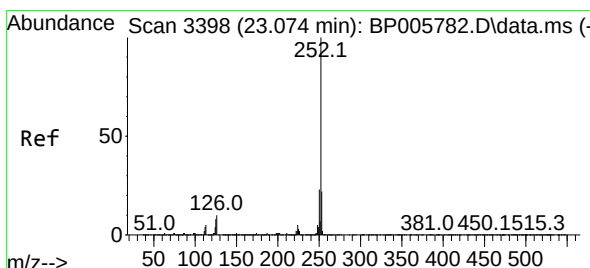
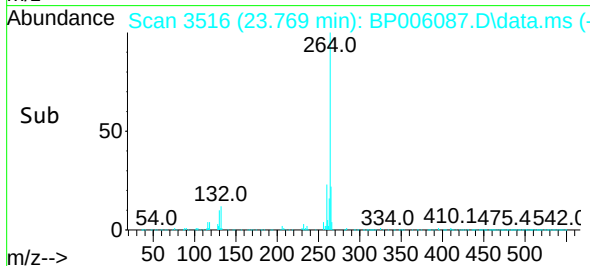
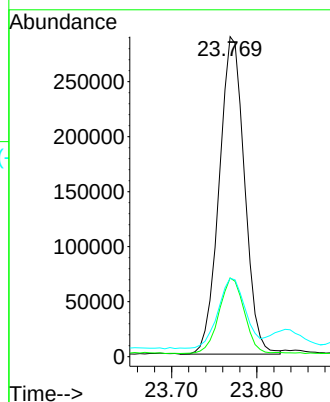
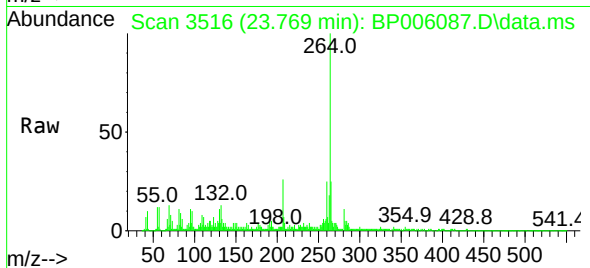




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.769 min Scan# 3516  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

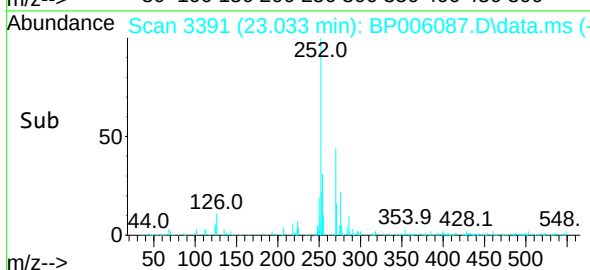
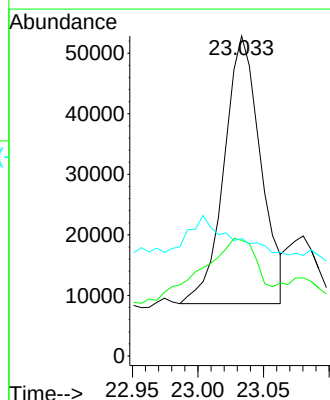
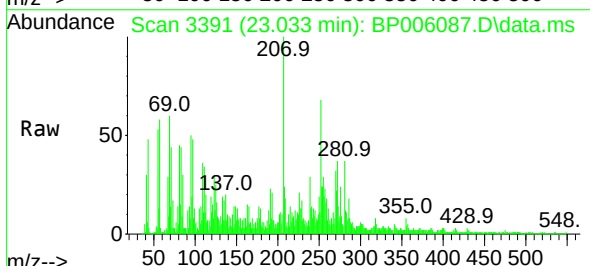
Instrument :  
BNA\_P  
ClientSampleId :  
PILE-1-062421

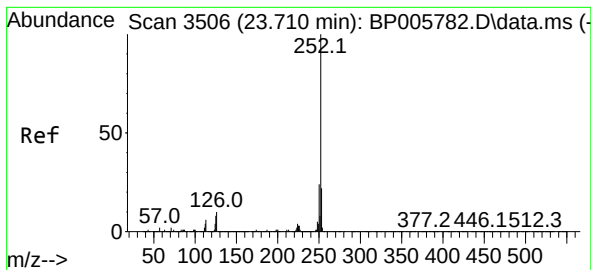
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 595578 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 18.6  | 28.0   |
| 265       | 24.5  | 17.6  | 26.4   |



#88  
Benzo(b)fluoranthene  
Concen: 2.106 ng  
RT: 23.033 min Scan# 3391  
Delta R.T. 0.012 min  
Lab File: BP006087.D  
Acq: 28 Jun 2021 20:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 85928 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 36.1  | 17.5  | 26.3# |
| 125       | 36.7  | 6.2   | 9.4#  |





#90

Benzo(a)pyrene

Concen: 4.296 ng

RT: 23.663 min Scan# 3498

Delta R.T. 0.012 min

Lab File: BP006087.D

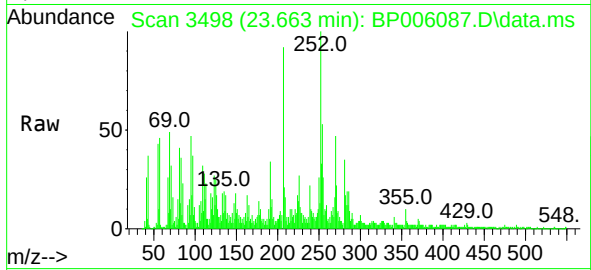
Acq: 28 Jun 2021 20:41

Instrument :

BNA\_P

ClientSampleId :

PILE-1-062421



Tgt Ion:252 Resp: 164760

Ion Ratio Lower Upper

252 100

253 32.8 17.9 26.9#

125 25.1 6.5 9.7#

