

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093022\  
 Data File : BF130485.D  
 Acq On : 30 Sep 2022 15:39  
 Operator : CG\JU  
 Sample : N4895-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CRUSHED-MASONRY-PILE-8

Quant Time: Oct 01 01:35:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 28 02:59:31 2022  
 Response via : Initial Calibration

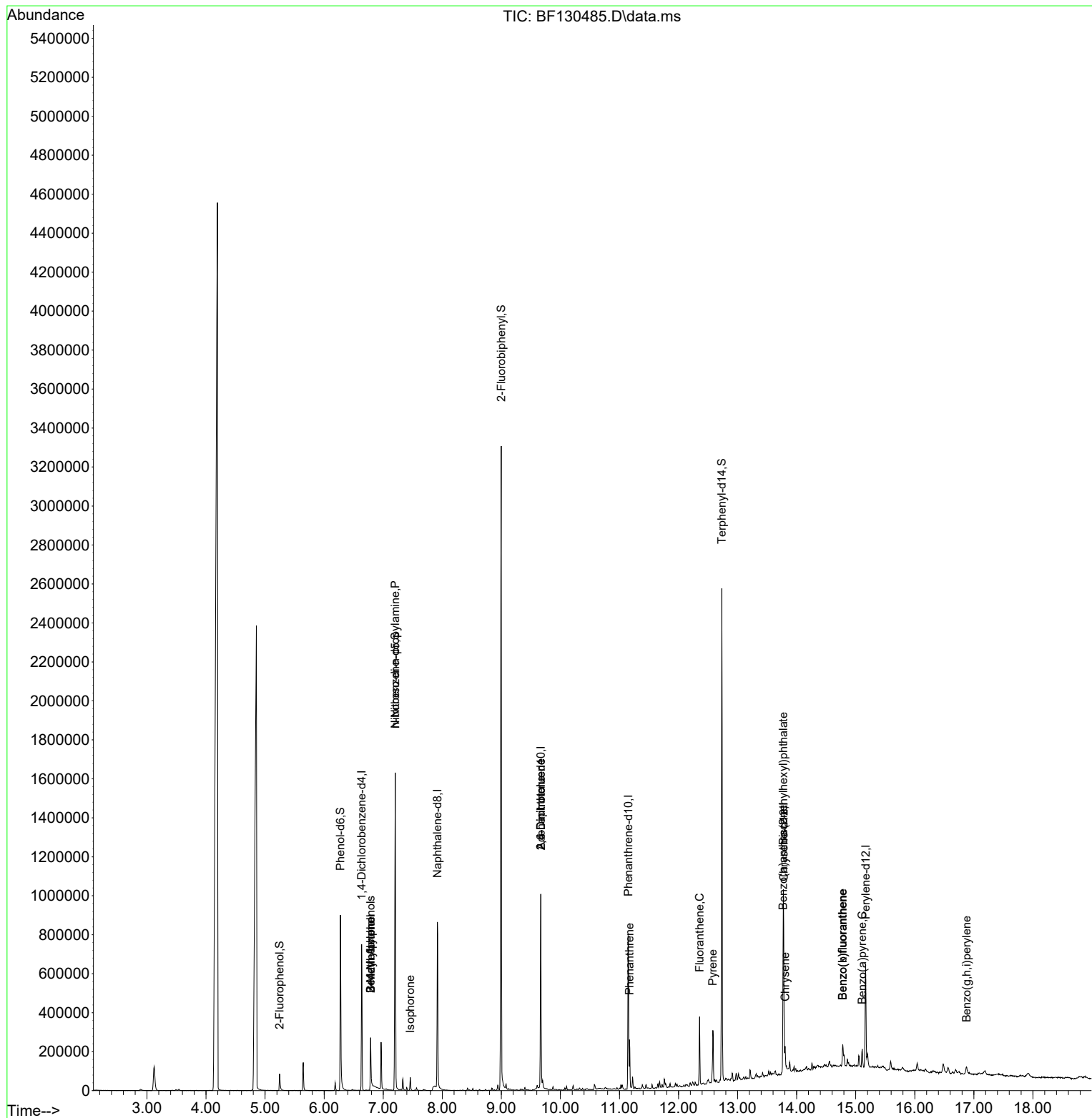
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.634  | 152  | 104857   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 7.916  | 136  | 399974   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.669  | 164  | 201277   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.151 | 188  | 311307   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.780 | 240  | 189064   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.169 | 264  | 225919   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.246  | 112  | 28269    | 4.676  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.275  | 99   | 294591   | 38.945 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 7.204  | 82   | 520327   | 66.461 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.463 | 330  | 263      | 0.136  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 8.998  | 172  | 1005322  | 72.733 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.733 | 244  | 841119   | 73.695 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 15) Benzyl Alcohol            | 6.787  | 79   | 85201    | 14.206 | ng    | 92       |
| 17) 2-Methylphenol            | 6.787  | 107  | 41406    | 7.396  | ng    | # 15     |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 71061    | 13.922 | ng    | # 71     |
| 20) 3+4-Methylphenols         | 6.787  | 107  | 41406    | 5.694  | ng    | # 36     |
| 25) Isophorone                | 7.457  | 82   | 25608    | 2.029  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 26901    | 9.252  | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.669  | 165  | 26902    | 7.239  | ng    | # 16     |
| 71) Phenanthrene              | 11.169 | 178  | 87031    | 4.979  | ng    | 99       |
| 75) Fluoranthene              | 12.357 | 202  | 129942   | 7.694  | ng    | 95       |
| 78) Pyrene                    | 12.580 | 202  | 111158   | 6.721  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.769 | 228  | 50232    | 3.994  | ng    | 98       |
| 83) Chrysene                  | 13.804 | 228  | 44182    | 3.700  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.775 | 149  | 121375   | 17.294 | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 14.780 | 252  | 78206    | 5.304  | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 14.780 | 252  | 78206    | 5.392  | ng    | # 97     |
| 90) Benzo(a)pyrene            | 15.110 | 252  | 42445    | 3.633  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 16.874 | 276  | 29134    | 2.201  | ng    | 98       |

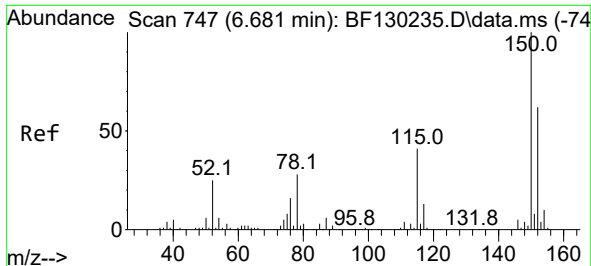
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF093022\  
Data File : BF130485.D  
Acq On : 30 Sep 2022 15:39  
Operator : CG\JU  
Sample : N4895-01  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
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CRUSHED-MASONRY-PILE-8

Quant Time: Oct 01 01:35:31 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 28 02:59:31 2022  
Response via : Initial Calibration

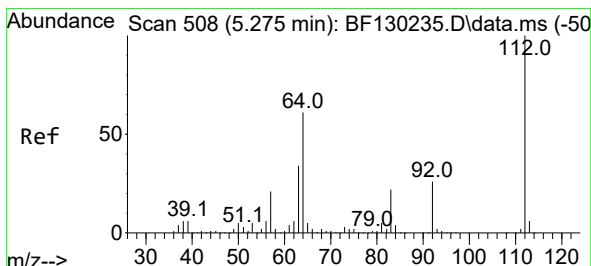
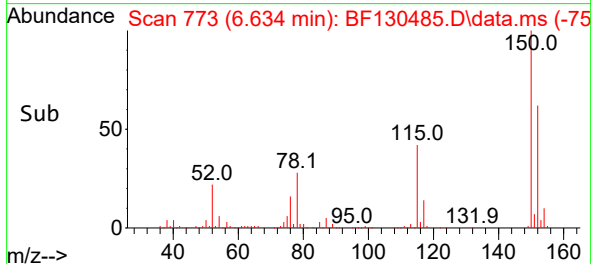
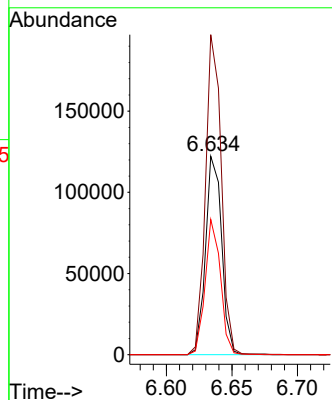
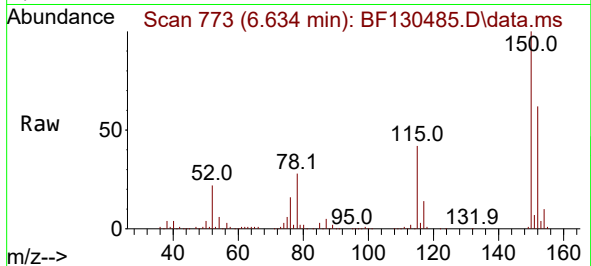




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.634 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

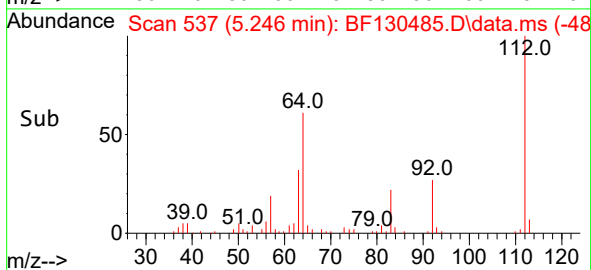
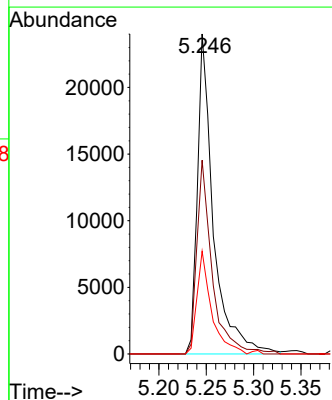
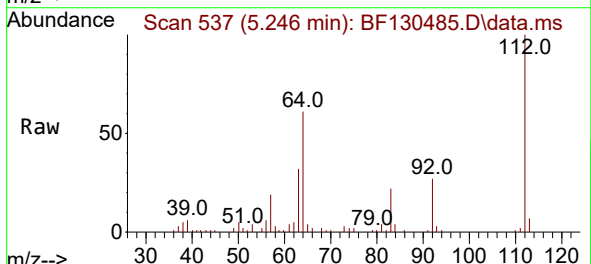
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

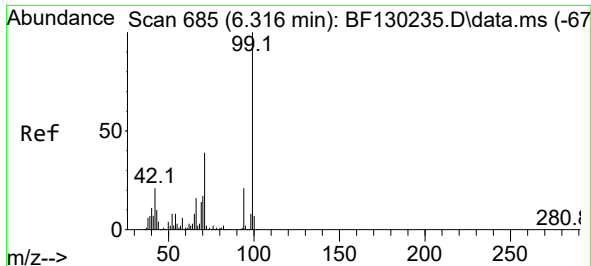
Tgt Ion:152 Resp: 104857  
Ion Ratio Lower Upper  
152 100  
150 161.3 122.8 184.2  
115 68.2 53.8 80.8



#5  
2-Fluorophenol  
Concen: 4.676 ng  
RT: 5.246 min Scan# 537  
Delta R.T. 0.000 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion:112 Resp: 28269  
Ion Ratio Lower Upper  
112 100  
64 60.6 51.4 77.0  
63 32.1 28.8 43.2

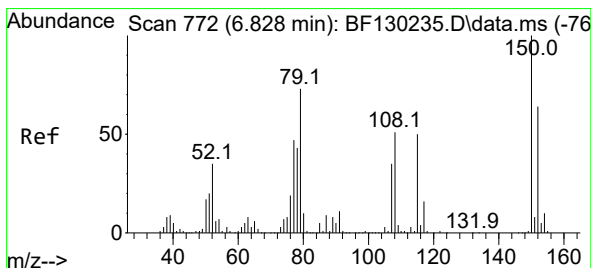
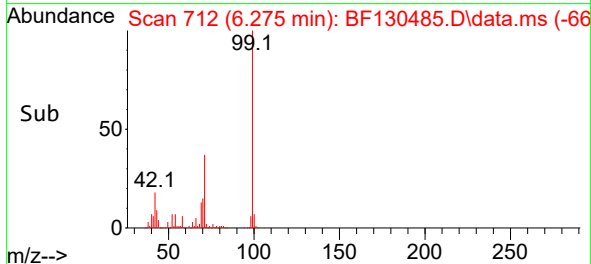
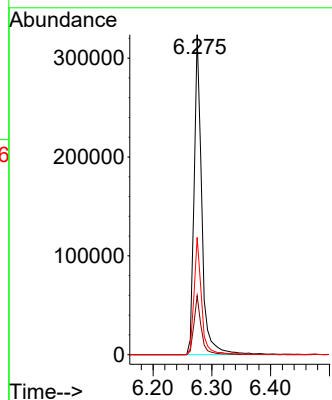
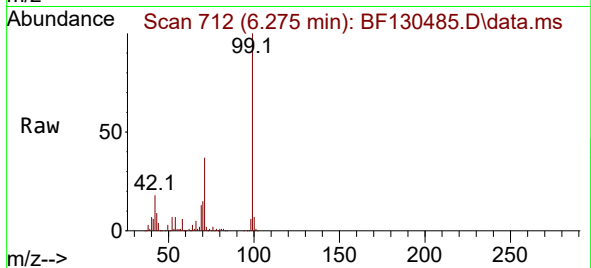




#7  
Phenol-d6  
Concen: 38.945 ng  
RT: 6.275 min Scan# 712  
Delta R.T. -0.017 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

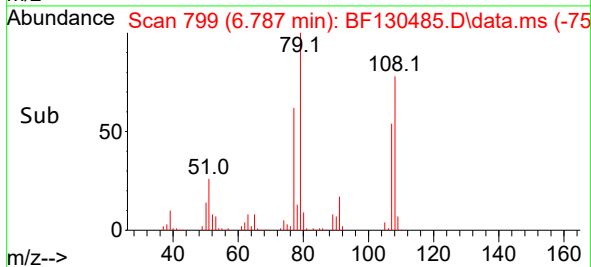
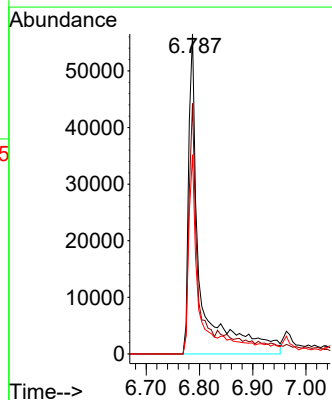
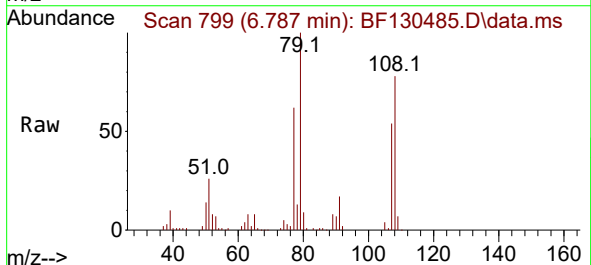
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

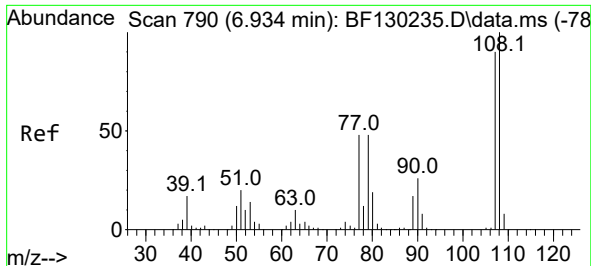
Tgt Ion: 99 Resp: 294591  
Ion Ratio Lower Upper  
99 100  
42 18.4 17.0 25.6  
71 36.7 32.3 48.5



#15  
Benzyl Alcohol  
Concen: 14.206 ng  
RT: 6.787 min Scan# 799  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion: 79 Resp: 85201  
Ion Ratio Lower Upper  
79 100  
108 78.3 54.0 81.0  
77 62.2 51.3 76.9

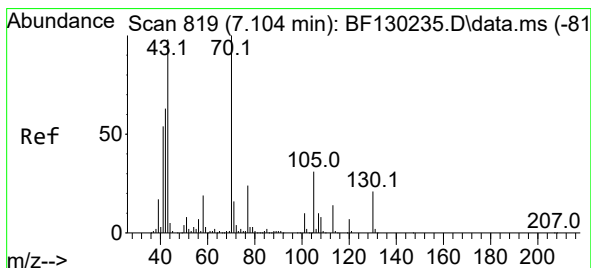
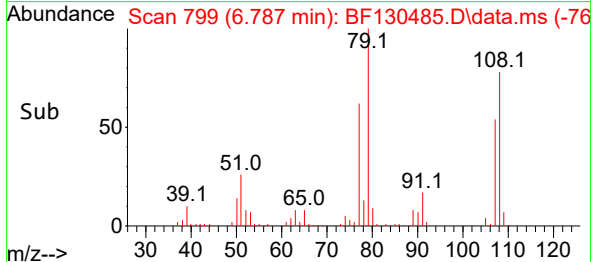
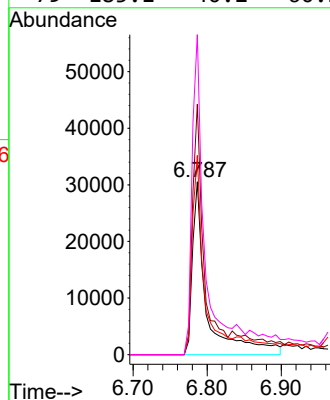
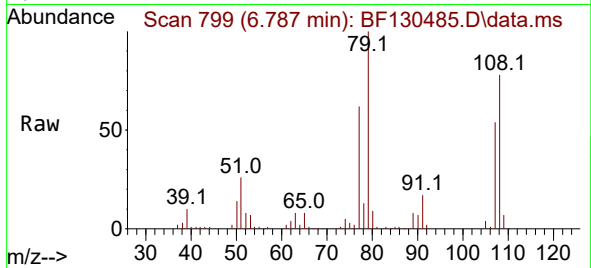




#17  
2-Methylphenol  
Concen: 7.396 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.123 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

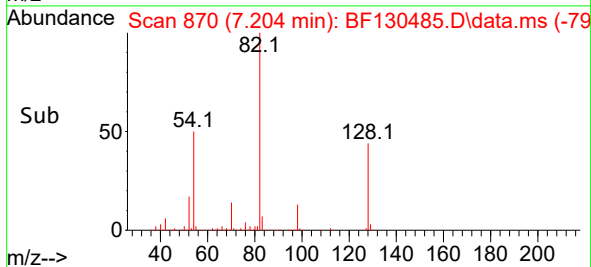
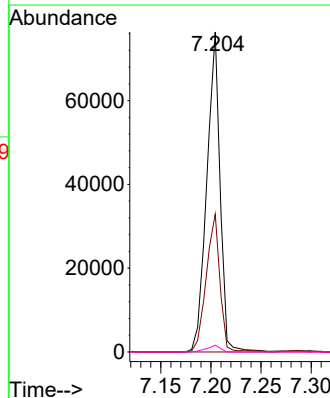
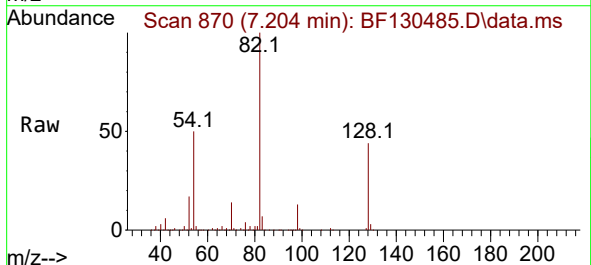
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

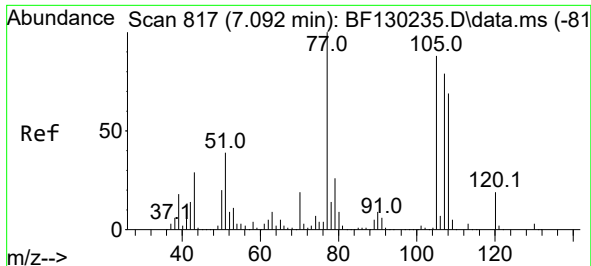
Tgt Ion:107 Resp: 41406  
Ion Ratio Lower Upper  
107 100  
108 144.9 89.4 134.0#  
77 115.2 40.6 60.8#  
79 185.1 40.2 60.2#



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.922 ng  
RT: 7.204 min Scan# 870  
Delta R.T. 0.135 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion: 70 Resp: 71061  
Ion Ratio Lower Upper  
70 100  
42 43.1 50.8 76.2#  
101 0.0 8.2 12.4#  
130 2.1 16.6 25.0#

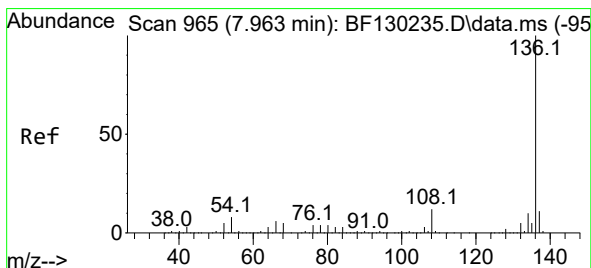
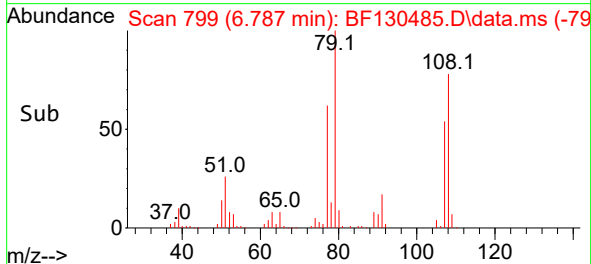
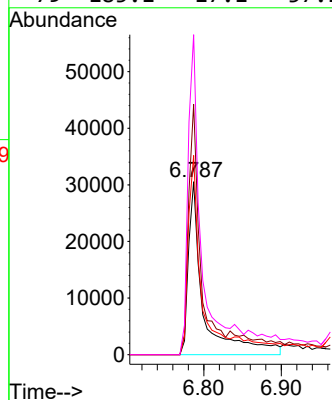
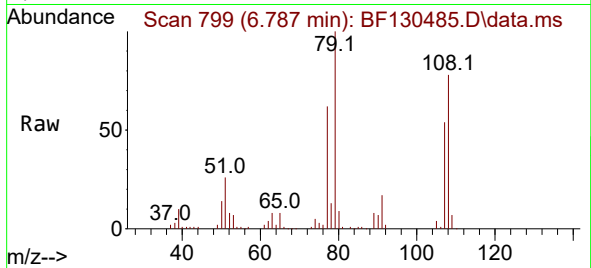




#20  
3+4-Methylphenols  
Concen: 5.694 ng  
RT: 6.787 min Scan# 791  
Delta R.T. -0.282 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

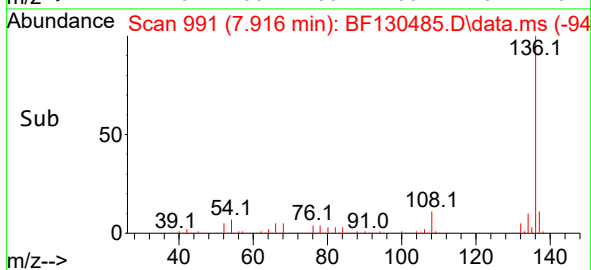
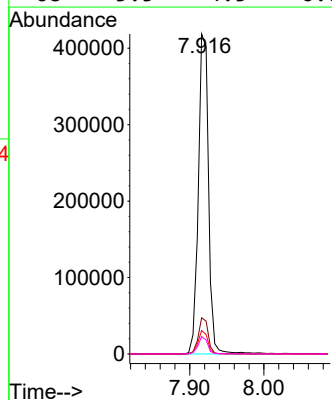
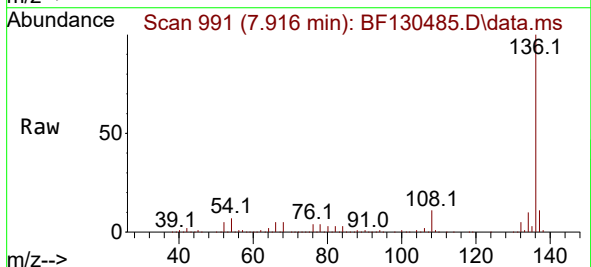
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

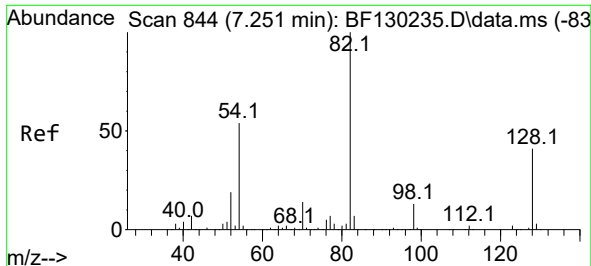
Tgt Ion:107 Resp: 41406  
Ion Ratio Lower Upper  
107 100  
108 144.9 74.8 114.8#  
77 115.2 125.8 165.8#  
79 185.1 17.1 57.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.916 min Scan# 991  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion:136 Resp: 399974  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.1 13.7  
54 7.3 7.1 10.7  
68 5.5 4.5 6.7

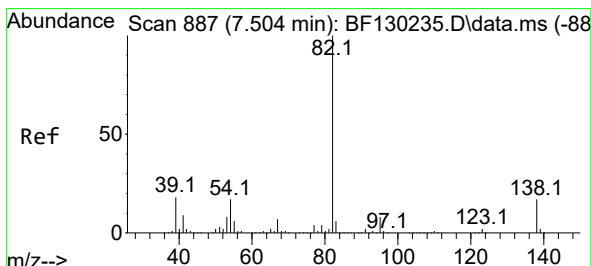
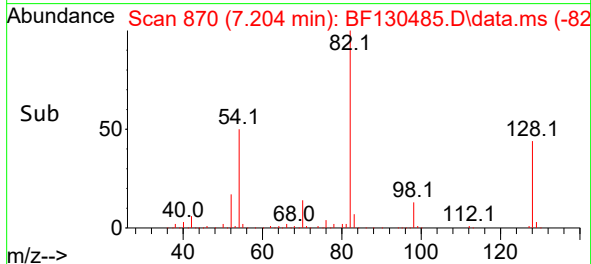
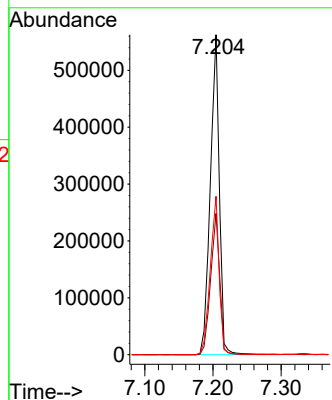
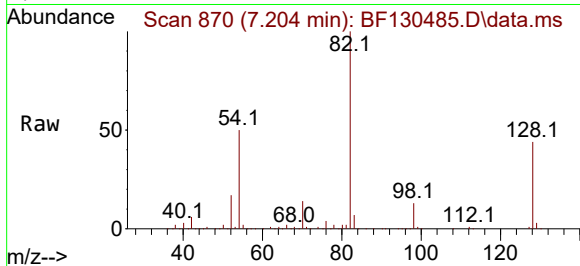




#23  
Nitrobenzene-d5  
Concen: 66.461 ng  
RT: 7.204 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

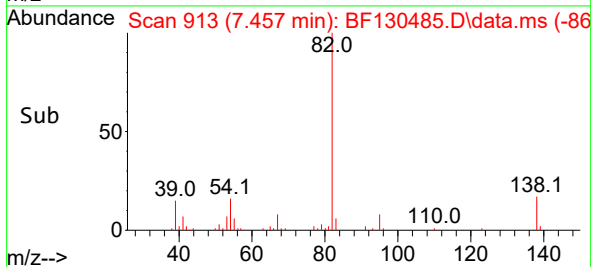
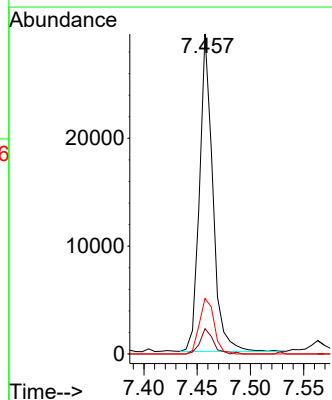
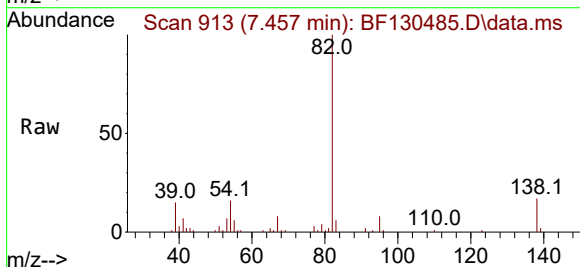
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

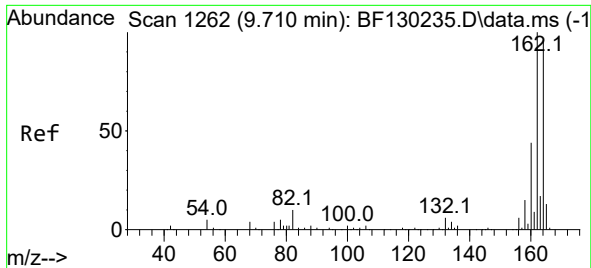
Tgt Ion: 82 Resp: 520327  
Ion Ratio Lower Upper  
82 100  
128 44.2 32.6 49.0  
54 49.5 43.8 65.6



#25  
Isophorone  
Concen: 2.029 ng  
RT: 7.457 min Scan# 913  
Delta R.T. -0.017 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion: 82 Resp: 25608  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 17.3 13.8 20.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

Instrument :

BNA\_F

ClientSampleId :

CRUSHED-MASONRY-PILE-8

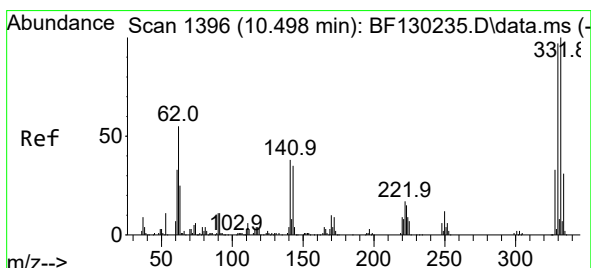
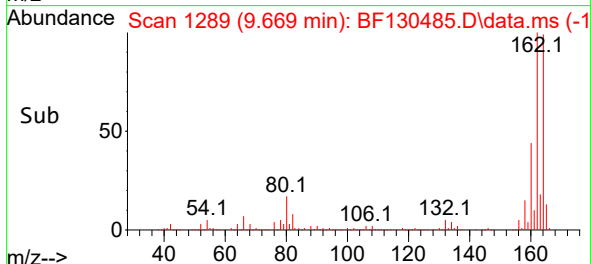
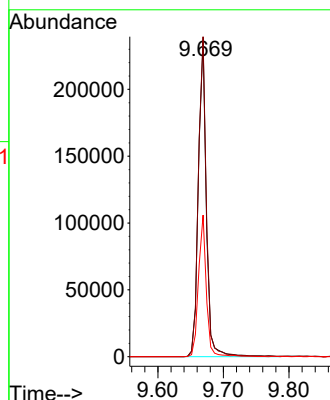
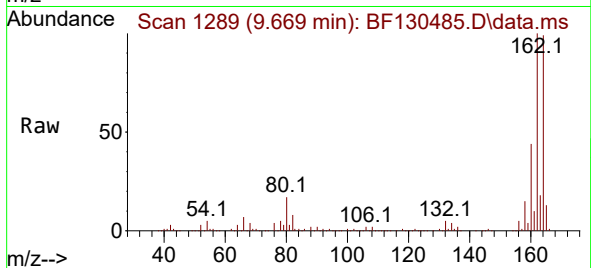
Tgt Ion:164 Resp: 201277

Ion Ratio Lower Upper

164 100

162 101.3 81.4 122.0

160 44.8 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 0.136 ng

RT: 10.463 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

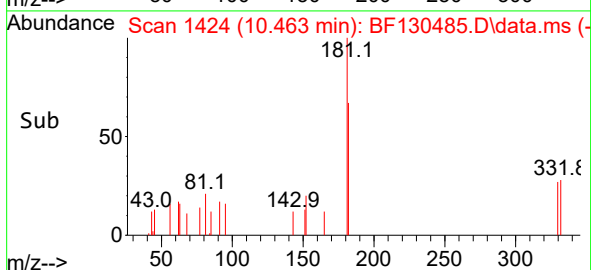
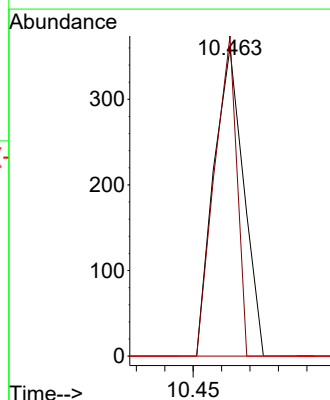
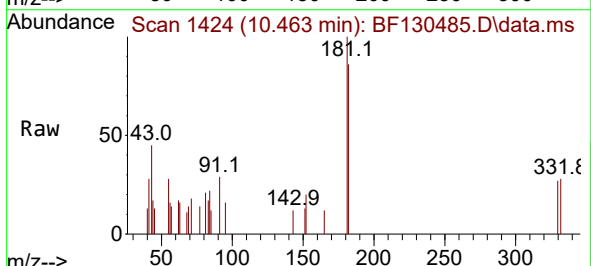
Tgt Ion:330 Resp: 263

Ion Ratio Lower Upper

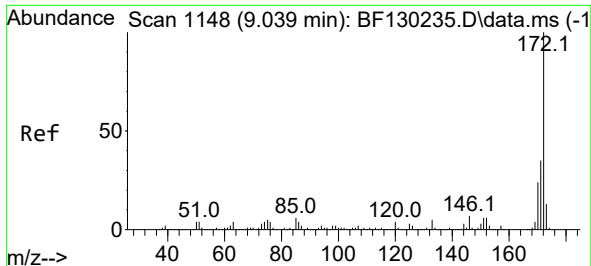
330 100

332 77.9 83.4 125.2#

141 0.0 34.0 51.0#







#45

2-Fluorobiphenyl

Concen: 72.733 ng

RT: 8.998 min Scan# 1148

Delta R.T. -0.012 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

Instrument :

BNA\_F

ClientSampleId :

CRUSHED-MASONRY-PILE-8

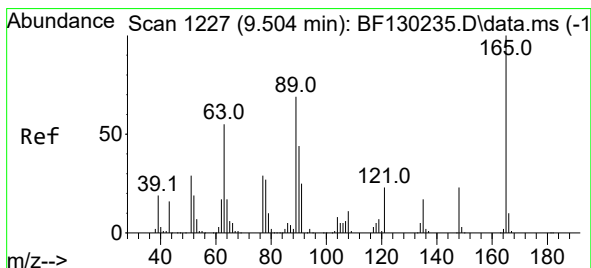
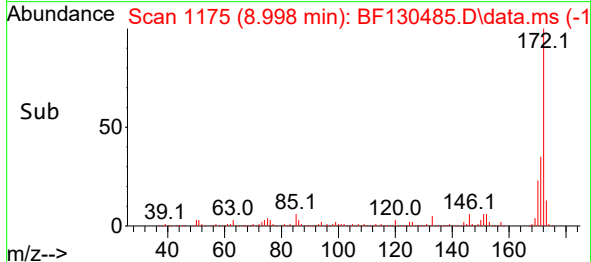
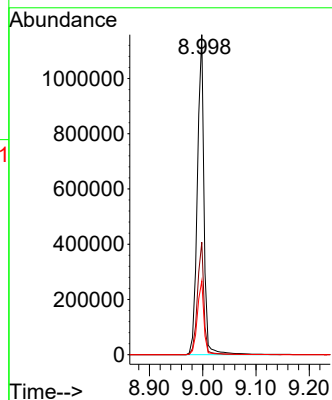
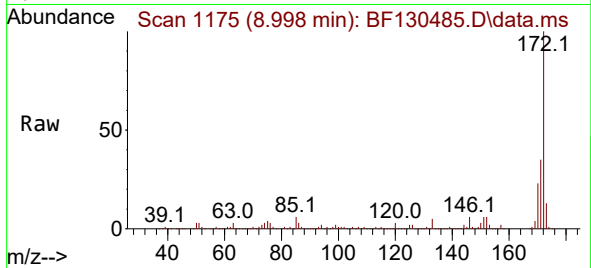
Tgt Ion:172 Resp: 1005322

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.0 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.252 ng

RT: 9.669 min Scan# 1289

Delta R.T. 0.194 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

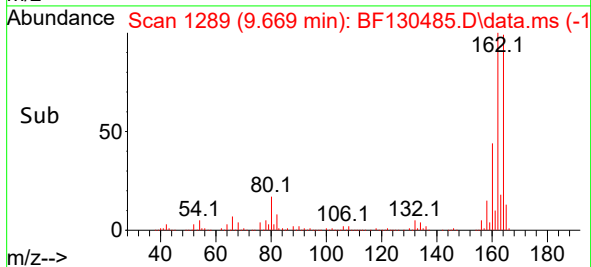
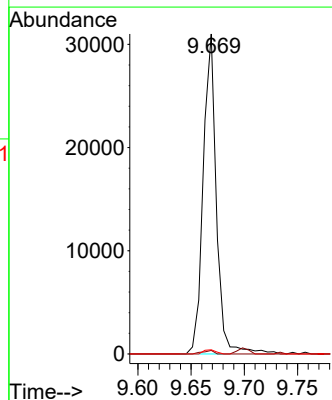
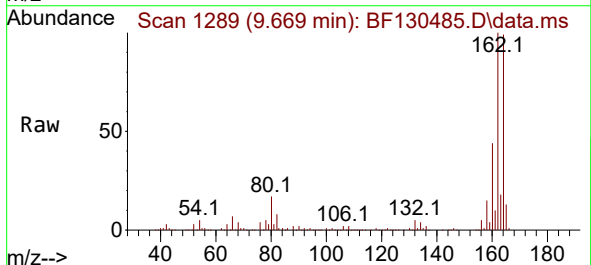
Tgt Ion:165 Resp: 26901

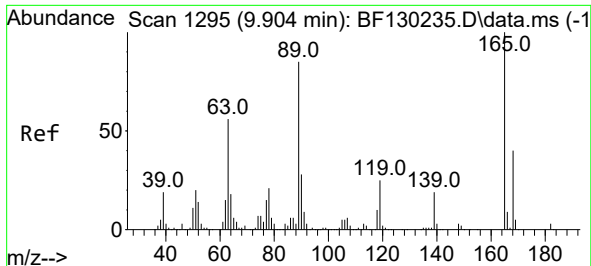
Ion Ratio Lower Upper

165 100

63 1.1 58.8 88.2#

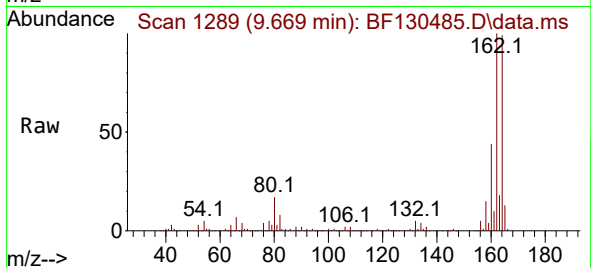
89 1.3 54.5 81.7#



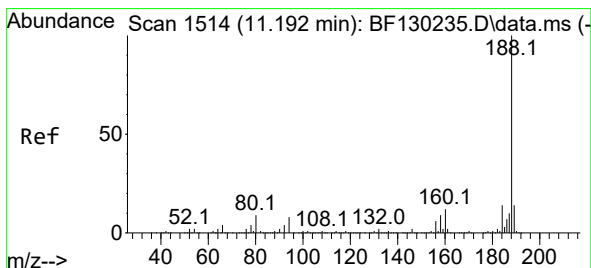
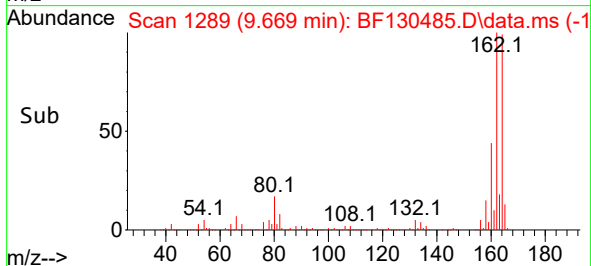
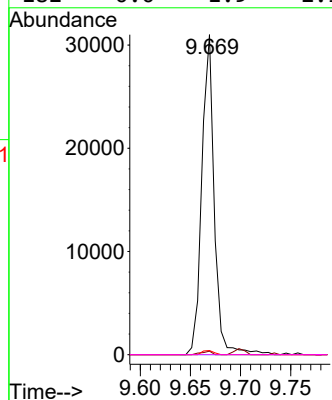


#57  
 2,4-Dinitrotoluene  
 Concen: 7.239 ng  
 RT: 9.669 min Scan# 1289  
 Delta R.T. -0.206 min  
 Lab File: BF130485.D  
 Acq: 30 Sep 2022 15:39

Instrument : BNA\_F  
 ClientSampleId : CRUSHED-MASONRY-PILE-8

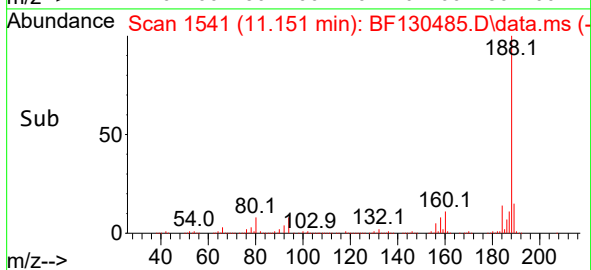
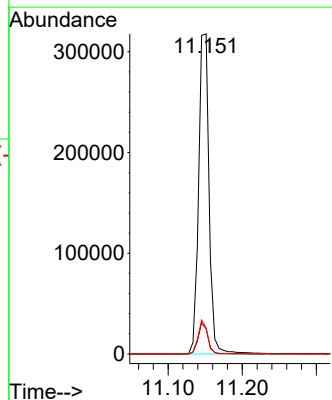
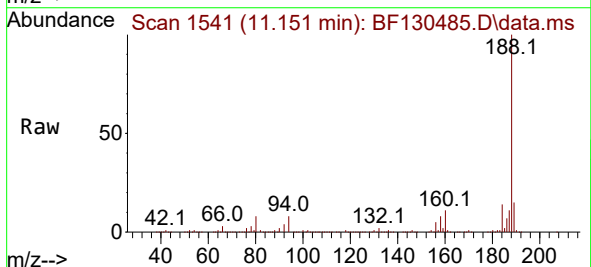


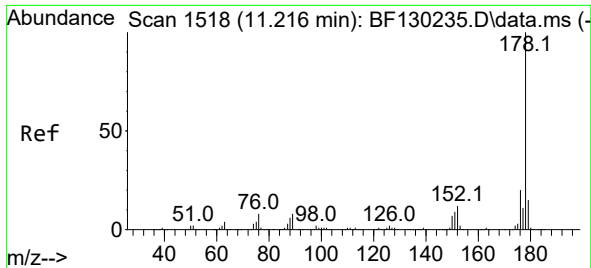
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 26902       |
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 1.1   | 44.7 67.1#  |
| 89          | 1.3   | 69.0 103.4# |
| 182         | 0.0   | 1.9 2.9#    |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.151 min Scan# 1541  
 Delta R.T. -0.006 min  
 Lab File: BF130485.D  
 Acq: 30 Sep 2022 15:39

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:188 | Resp: | 311307      |
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 7.9   | 7.4 11.2    |
| 80          | 8.2   | 7.9 11.9    |

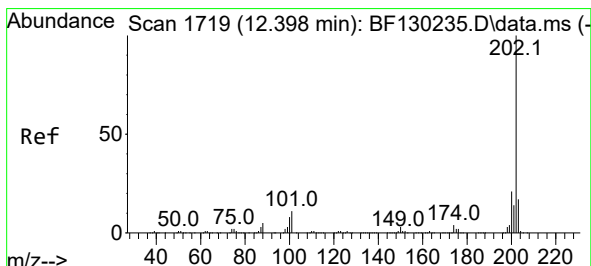
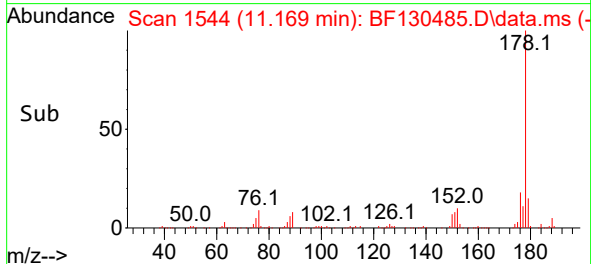
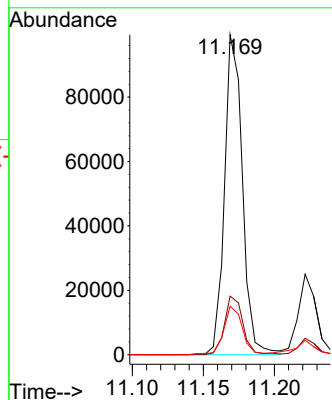
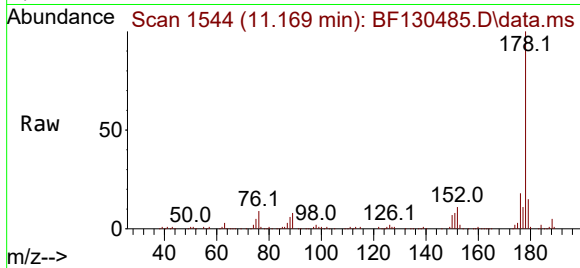




#71  
Phenanthrene  
Concen: 4.979 ng  
RT: 11.169 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

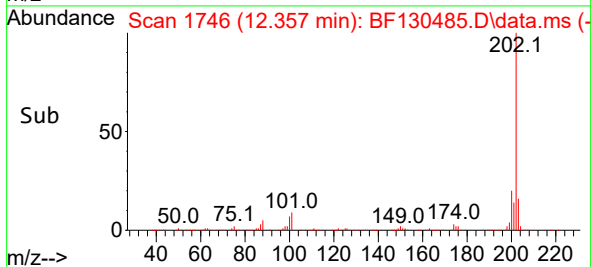
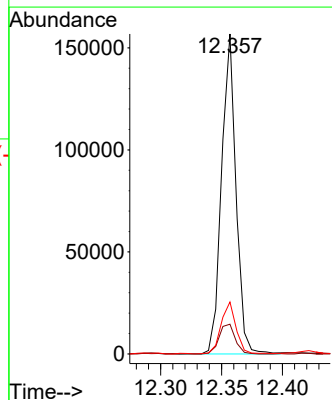
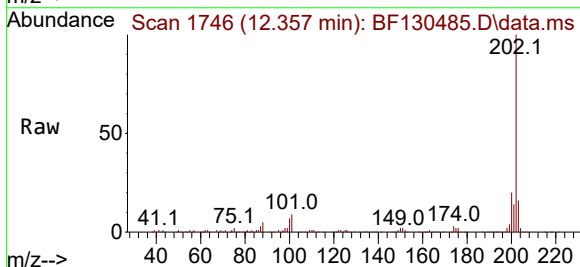
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

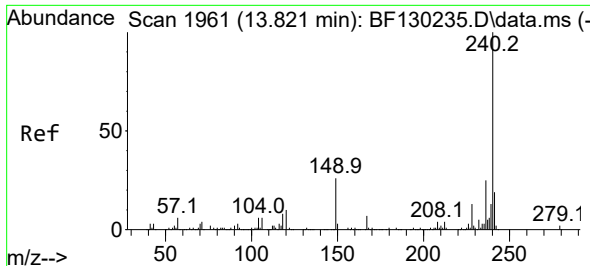
Tgt Ion:178 Resp: 87031  
Ion Ratio Lower Upper  
178 100  
176 18.3 15.4 23.0  
179 15.1 12.4 18.6



#75  
Fluoranthene  
Concen: 7.694 ng  
RT: 12.357 min Scan# 1746  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion:202 Resp: 129942  
Ion Ratio Lower Upper  
202 100  
101 9.3 0.0 31.8  
203 16.2 0.0 37.8

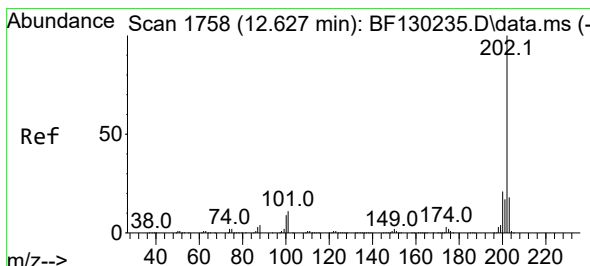
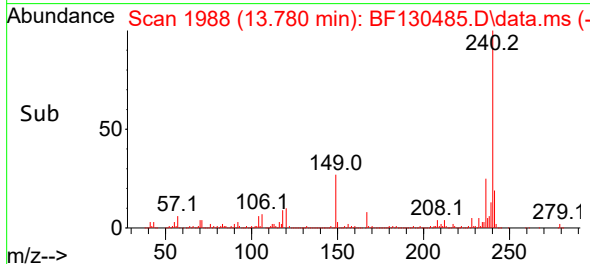
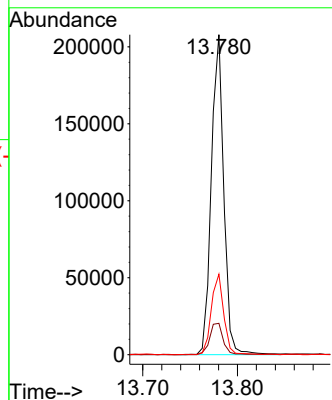
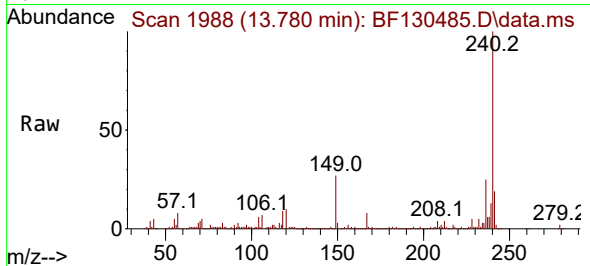




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.780 min Scan# 1961  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

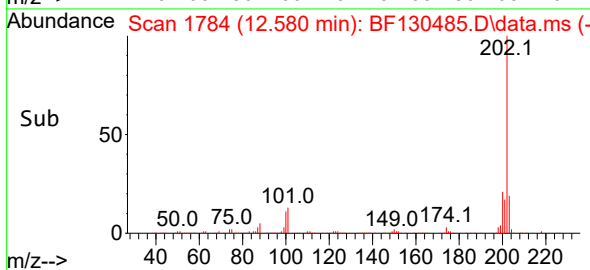
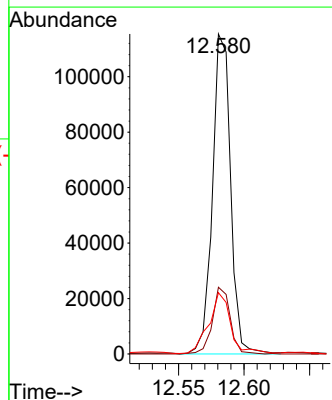
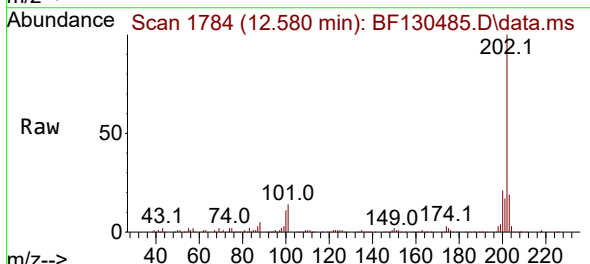
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

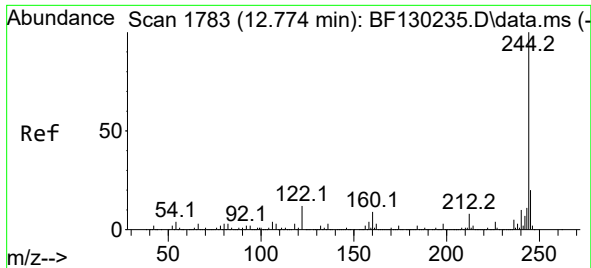
Tgt Ion:240 Resp: 189064  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.7 13.1  
236 25.2 20.9 31.3



#78  
Pyrene  
Concen: 6.721 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.012 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion:202 Resp: 111158  
Ion Ratio Lower Upper  
202 100  
200 20.8 17.2 25.8  
203 19.2 14.3 21.5

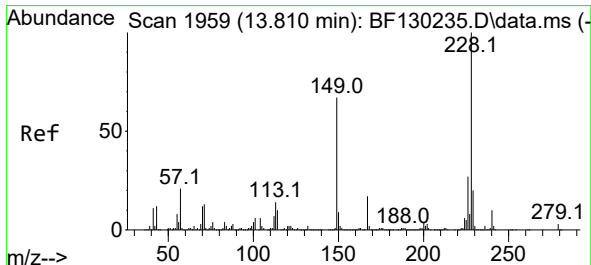
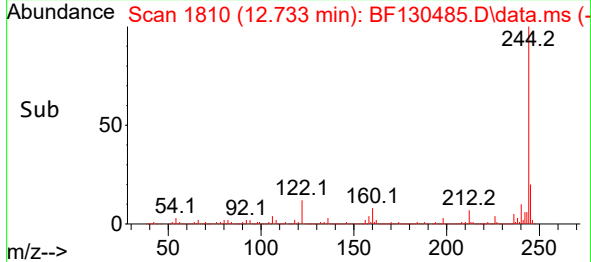
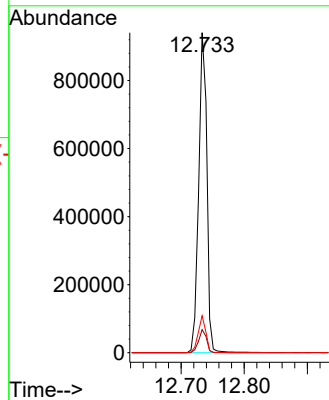
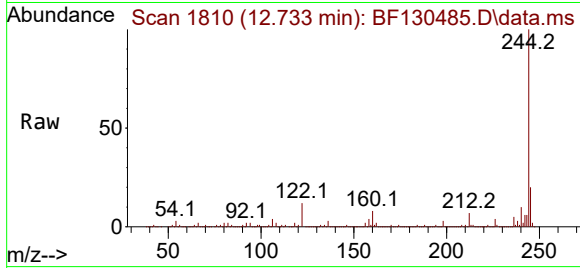




#79  
 Terphenyl-d14  
 Concen: 73.695 ng  
 RT: 12.733 min Scan# 1810  
 Delta R.T. -0.012 min  
 Lab File: BF130485.D  
 Acq: 30 Sep 2022 15:39

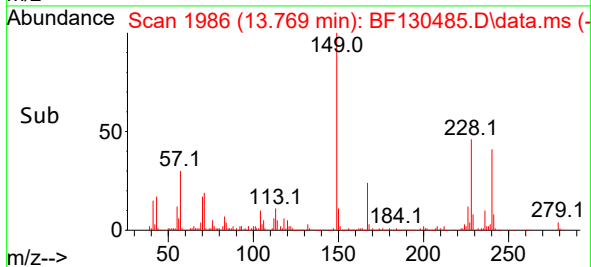
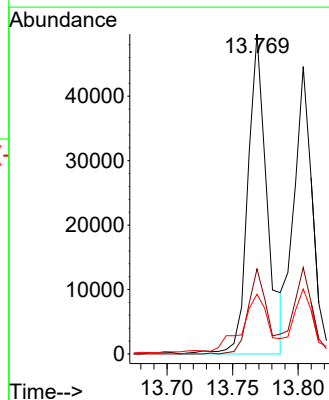
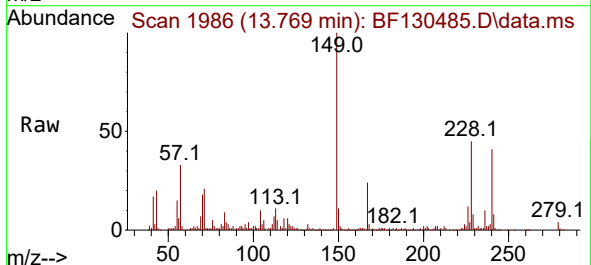
Instrument :  
 BNA\_F  
 ClientSampleId :  
 CRUSHED-MASONRY-PILE-8

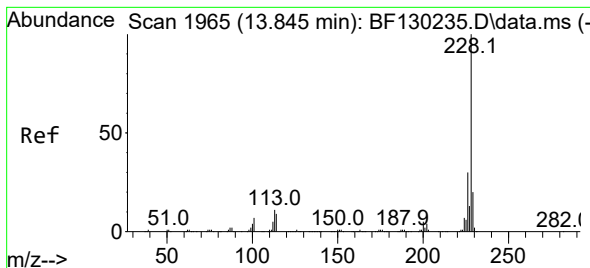
Tgt Ion:244 Resp: 841119  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 11.5 8.5 12.7



#81  
 Benzo(a)anthracene  
 Concen: 3.994 ng  
 RT: 13.769 min Scan# 1986  
 Delta R.T. -0.012 min  
 Lab File: BF130485.D  
 Acq: 30 Sep 2022 15:39

Tgt Ion:228 Resp: 50232  
 Ion Ratio Lower Upper  
 228 100  
 226 26.6 21.9 32.9  
 229 18.6 16.1 24.1





#83

Chrysene

Concen: 3.700 ng

RT: 13.804 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

Instrument :

BNA\_F

ClientSampleId :

CRUSHED-MASONRY-PILE-8

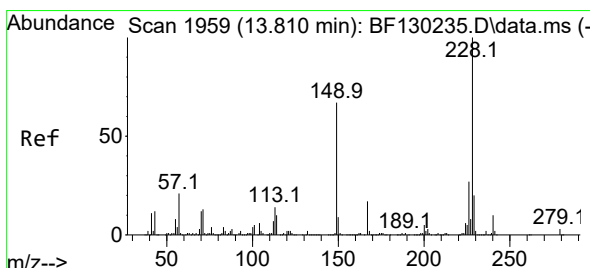
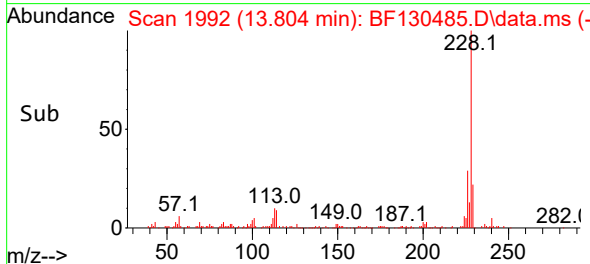
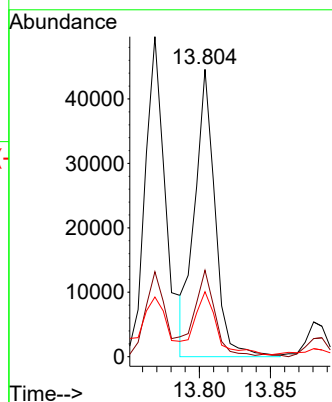
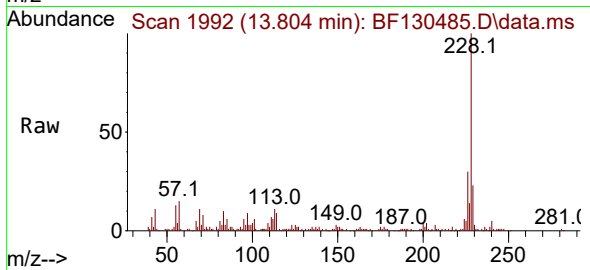
Tgt Ion:228 Resp: 44182

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.6 15.3 22.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 17.294 ng

RT: 13.775 min Scan# 1987

Delta R.T. -0.006 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

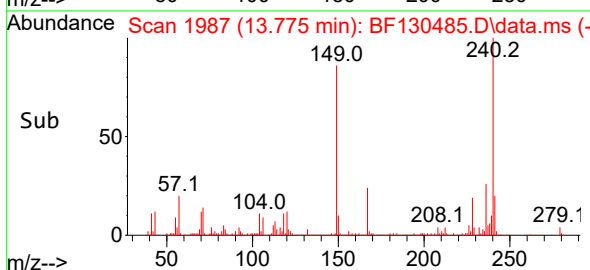
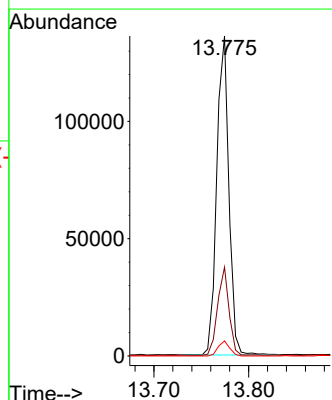
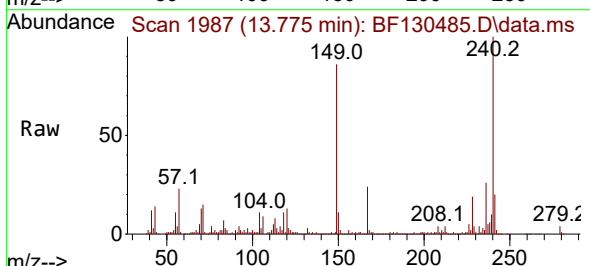
Tgt Ion:149 Resp: 121375

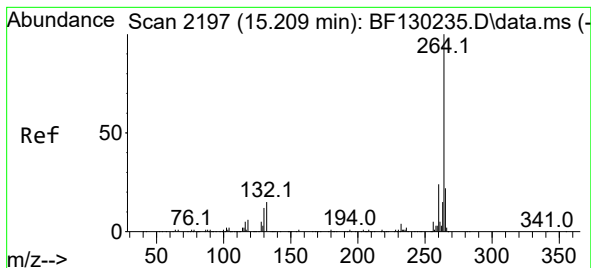
Ion Ratio Lower Upper

149 100

167 27.7 20.5 30.7

279 4.7 2.9 4.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.169 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

Instrument :

BNA\_F

ClientSampleId :

CRUSHED-MASONRY-PILE-8

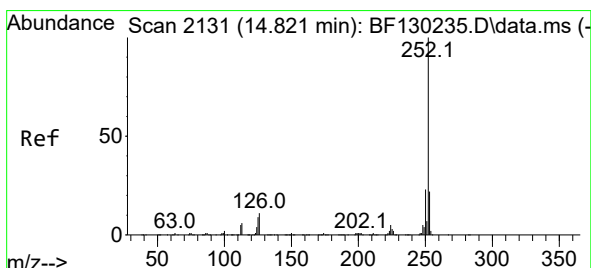
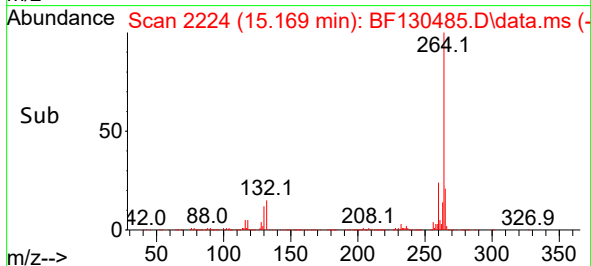
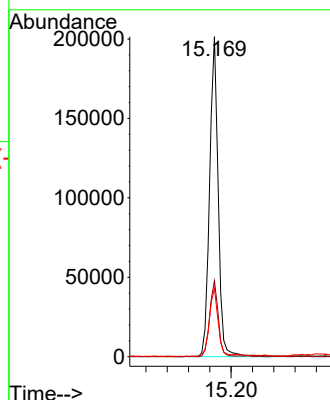
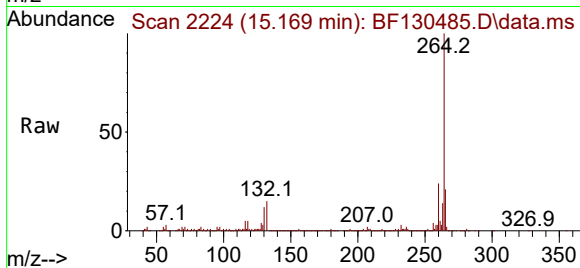
Tgt Ion:264 Resp: 225919

Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 21.4 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 5.304 ng

RT: 14.780 min Scan# 2158

Delta R.T. -0.006 min

Lab File: BF130485.D

Acq: 30 Sep 2022 15:39

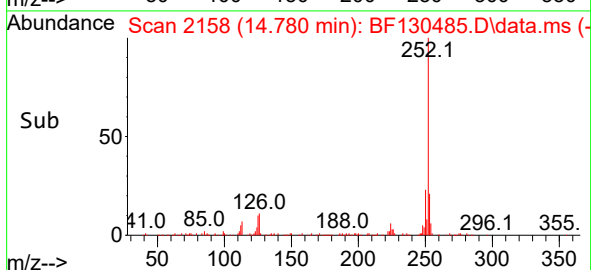
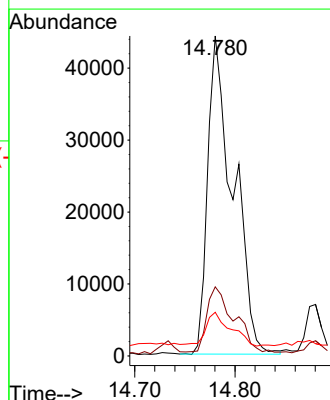
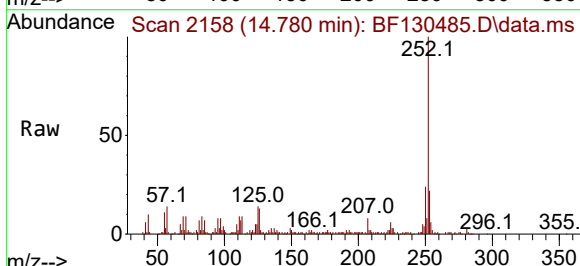
Tgt Ion:252 Resp: 78206

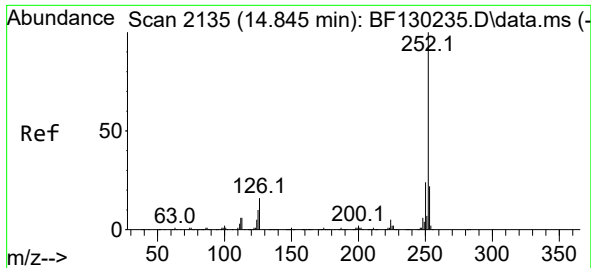
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

125 13.7 8.1 12.1#

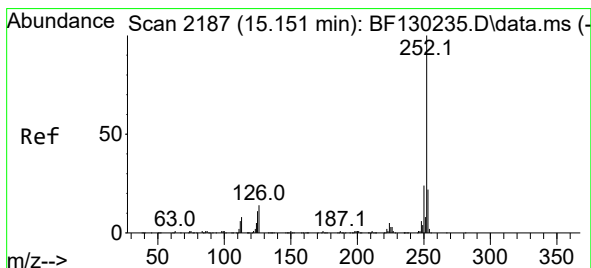
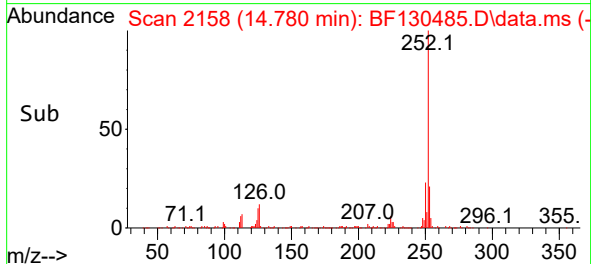
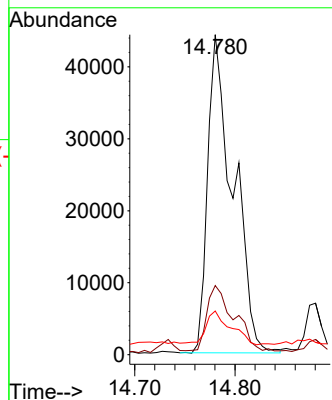
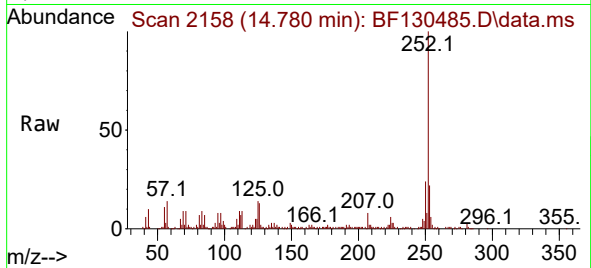




#89  
Benzo(k)fluoranthene  
Concen: 5.392 ng  
RT: 14.780 min Scan# 2114  
Delta R.T. -0.035 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

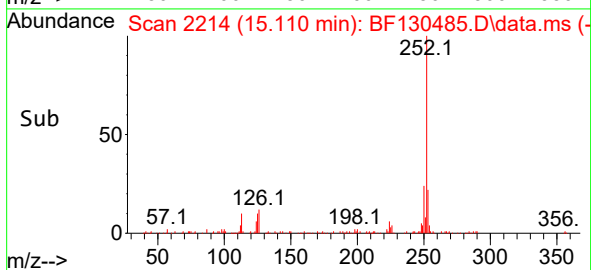
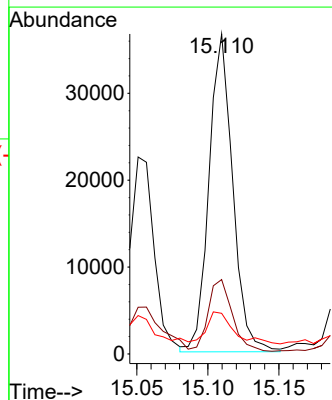
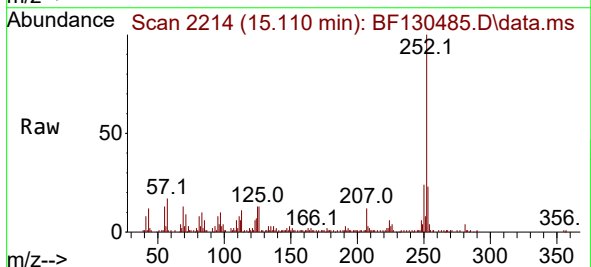
Instrument :  
BNA\_F  
ClientSampleId :  
CRUSHED-MASONRY-PILE-8

Tgt Ion:252 Resp: 78206  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.4 26.2  
125 13.7 7.9 11.9#

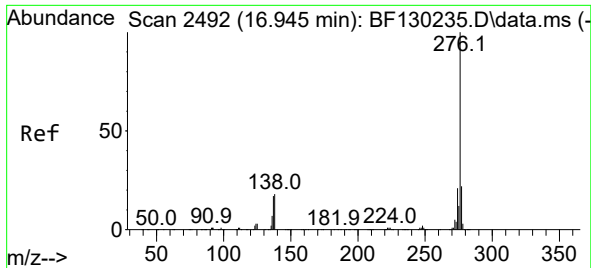


#90  
Benzo(a)pyrene  
Concen: 3.633 ng  
RT: 15.110 min Scan# 2214  
Delta R.T. -0.006 min  
Lab File: BF130485.D  
Acq: 30 Sep 2022 15:39

Tgt Ion:252 Resp: 42445  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.8 26.6  
125 12.7 9.0 13.6







#92

Benzo(g,h,i)perylene

Concen: 2.201 ng

RT: 16.874 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF130485.D

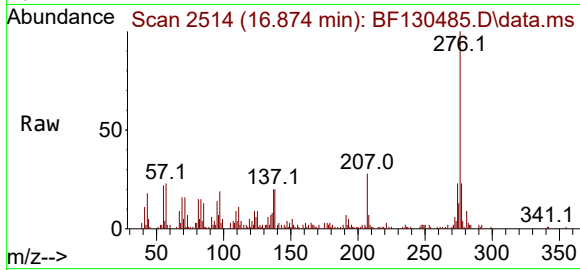
Acq: 30 Sep 2022 15:39

Instrument :

BNA\_F

ClientSampleId :

CRUSHED-MASONRY-PILE-8



Tgt Ion:276 Resp: 29134

Ion Ratio Lower Upper

276 100

277 22.8 18.6 27.8

138 20.0 14.6 21.8

