

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
 Data File : BF132274.D  
 Acq On : 01 Feb 2023 22:42  
 Operator : CG\JU  
 Sample : 01345-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ETGI-346

Quant Time: Feb 02 00:58:44 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 05:24:37 2023  
 Response via : Initial Calibration

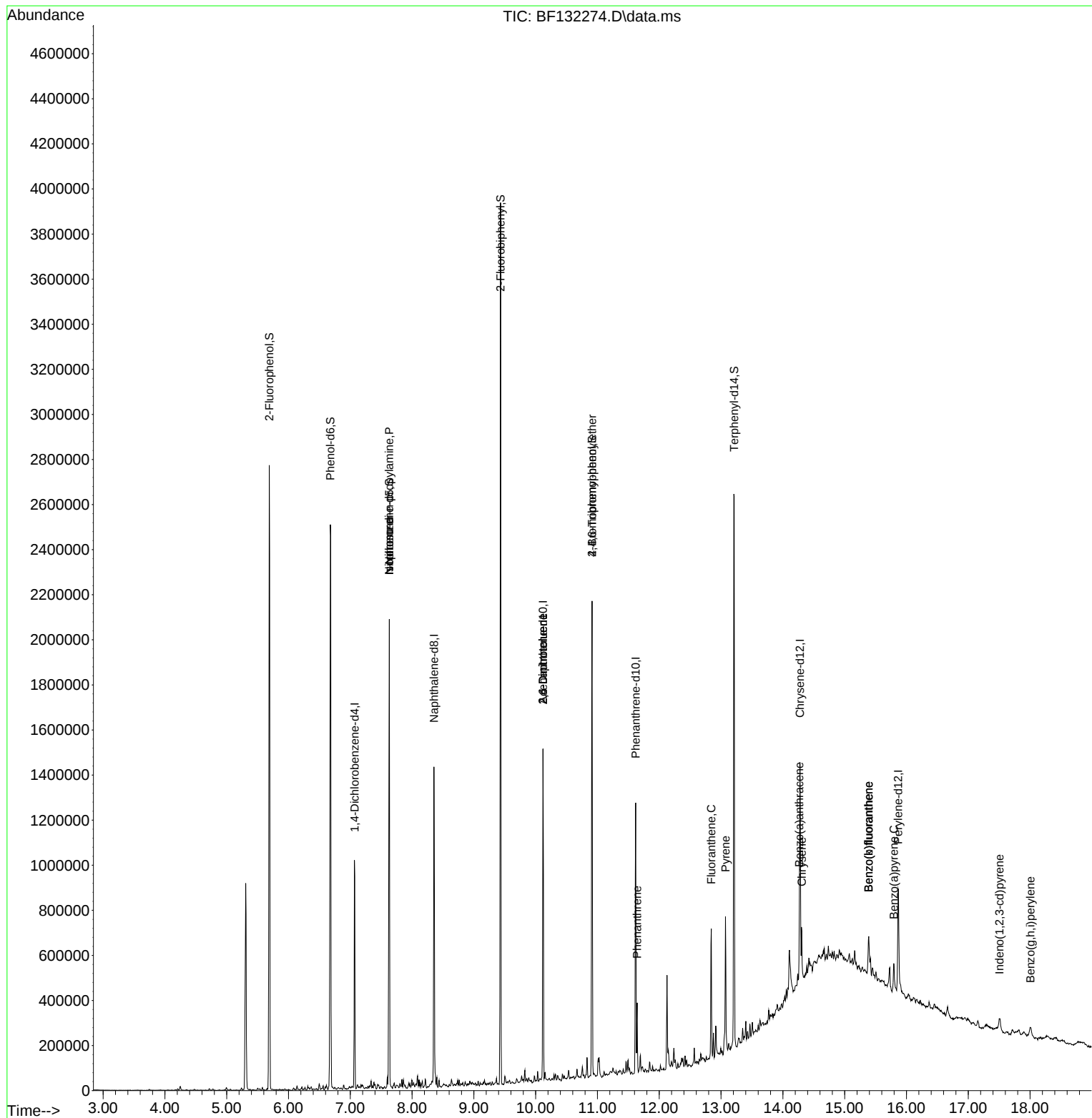
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.072  | 152  | 155181   | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.354  | 136  | 578887   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 10.119 | 164  | 270014   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.619 | 188  | 416690   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.277 | 240  | 284988   | 20.000    | ng     | -0.01    |
| 86) Perylene-d12              | 15.865 | 264  | 225736   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.690  | 112  | 906781   | 93.926    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.678  | 99   | 1086214  | 91.261    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.631  | 82   | 647267   | 62.220    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.913 | 330  | 249122   | 89.718    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.431  | 172  | 1067155  | 61.032    | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.213 | 244  | 886191   | 60.152    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.619  | 77   | 669      | Below Cal | #      | 54       |
| 19) n-Nitroso-di-n-propyla... | 7.631  | 70   | 82511    | 12.205    | ng     | # 77     |
| 25) Isophorone                | 7.631  | 82   | 647286   | 32.783    | ng     | # 64     |
| 51) 2,6-Dinitrotoluene        | 10.119 | 165  | 35756    | 8.476     | ng     | # 25     |
| 57) 2,4-Dinitrotoluene        | 10.119 | 165  | 35779    | 6.529     | ng     | # 23     |
| 67) 4-Bromophenyl-phenylether | 10.913 | 248  | 15157    | 3.552     | ng     | # 1      |
| 71) Phenanthrene              | 11.642 | 178  | 107537   | 4.939     | ng     | 96       |
| 75) Fluoranthene              | 12.842 | 202  | 209348   | 9.421     | ng     | 98       |
| 78) Pyrene                    | 13.071 | 202  | 224846   | 9.809     | ng     | 99       |
| 81) Benzo(a)anthracene        | 14.266 | 228  | 102392   | 5.137     | ng     | 98       |
| 83) Chrysene                  | 14.307 | 228  | 97054    | 5.200     | ng     | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.506 | 276  | 35469    | 2.365     | ng     | 97       |
| 88) Benzo(b)fluoranthene      | 15.389 | 252  | 129090   | 8.997     | ng     | # 92     |
| 89) Benzo(k)fluoranthene      | 15.389 | 252  | 129090   | 9.425     | ng     | # 91     |
| 90) Benzo(a)pyrene            | 15.795 | 252  | 65350    | 4.891     | ng     | # 90     |
| 92) Benzo(g,h,i)perylene      | 18.006 | 276  | 36403    | 2.922     | ng     | 95       |
| -----                         |        |      |          |           |        |          |

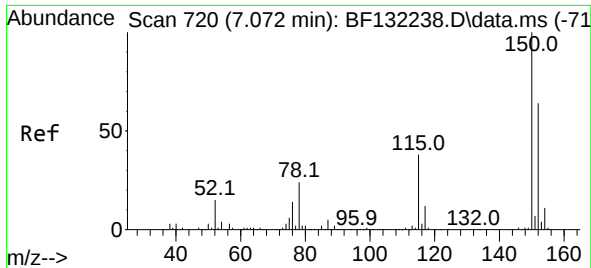
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020123\  
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Misc :  
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Instrument :  
BNA\_F  
ClientSampleId :  
ETGI-346

Quant Time: Feb 02 00:58:44 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 01 05:24:37 2023  
Response via : Initial Calibration

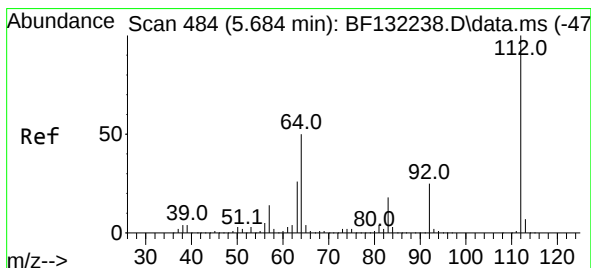
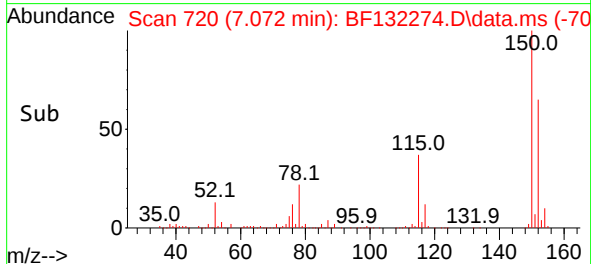
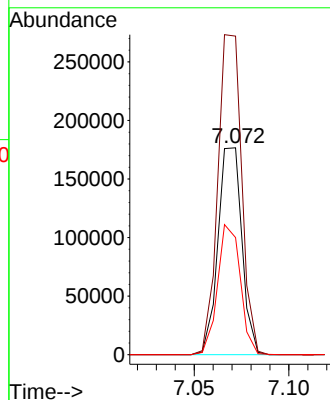
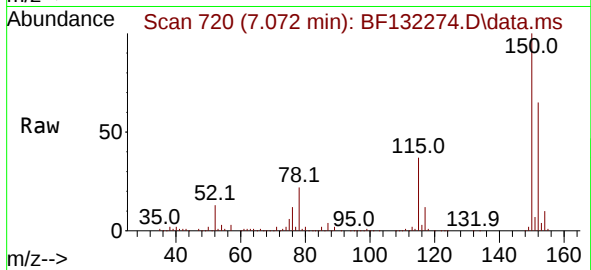




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.072 min Scan# 70  
Delta R.T. -0.000 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

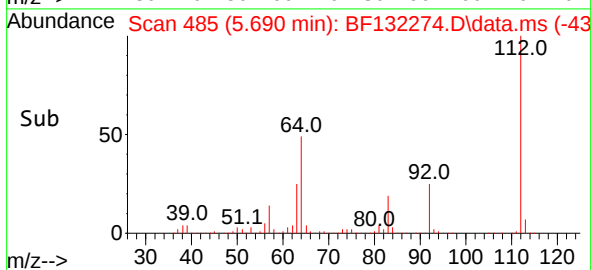
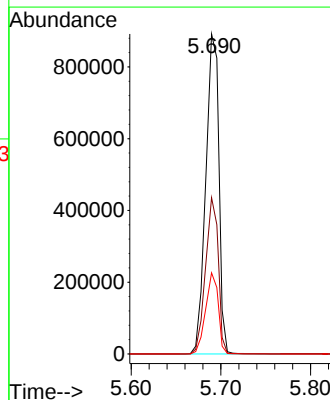
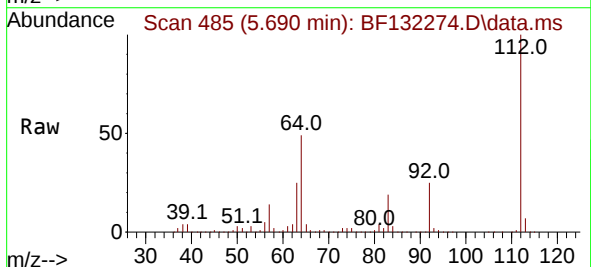
Instrument :  
BNA\_F  
ClientSampleId :  
ETGI-346

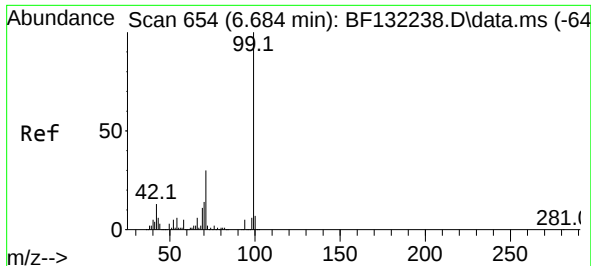
Tgt Ion:152 Resp: 155181  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.2 186.2  
115 56.6 47.3 70.9



#5  
2-Fluorophenol  
Concen: 93.926 ng  
RT: 5.690 min Scan# 485  
Delta R.T. 0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion:112 Resp: 906781  
Ion Ratio Lower Upper  
112 100  
64 48.8 40.0 60.0  
63 25.4 20.5 30.7

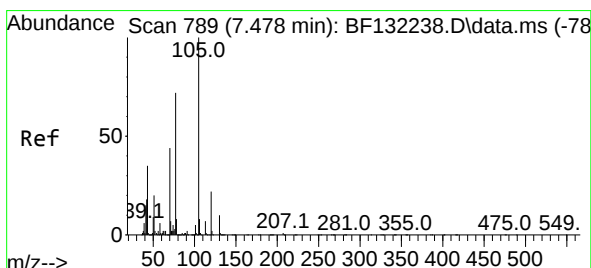
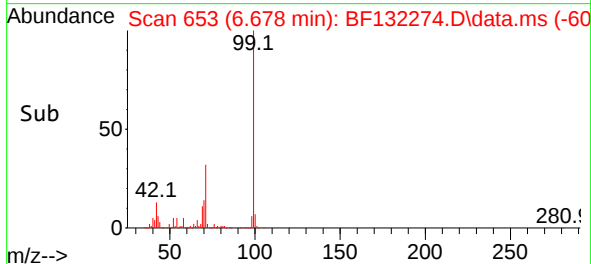
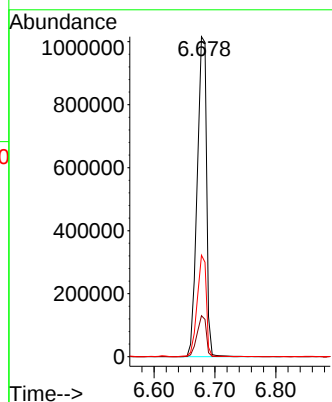
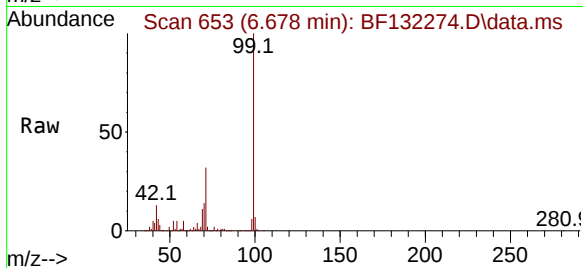




#7  
Phenol-d6  
Concen: 91.261 ng  
RT: 6.678 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

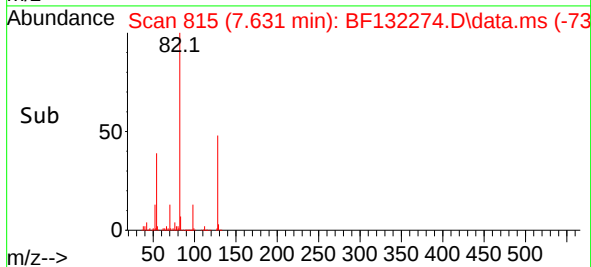
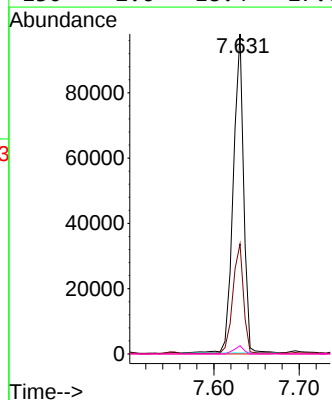
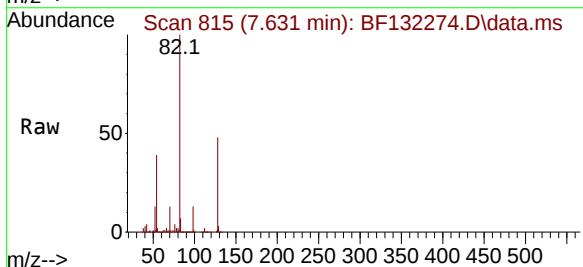
Instrument :  
BNA\_F  
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ETGI-346

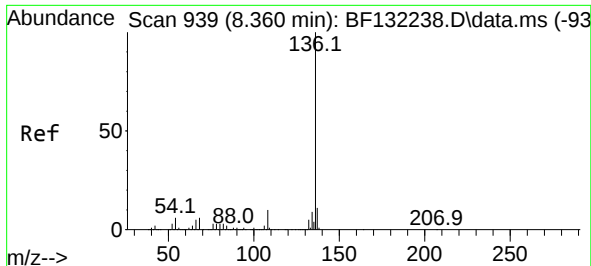
Tgt Ion: 99 Resp: 1086214  
Ion Ratio Lower Upper  
99 100  
42 12.8 10.1 15.1  
71 31.7 24.2 36.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 12.205 ng  
RT: 7.631 min Scan# 815  
Delta R.T. 0.153 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion: 70 Resp: 82511  
Ion Ratio Lower Upper  
70 100  
42 34.4 33.4 50.0  
101 0.0 8.2 12.4#  
130 2.6 18.4 27.6#

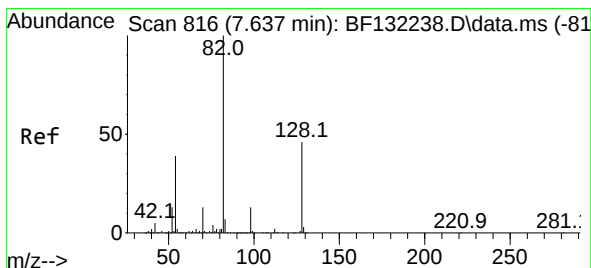
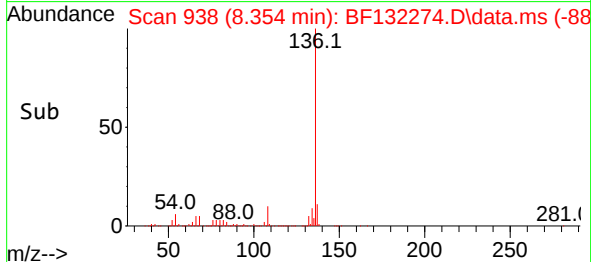
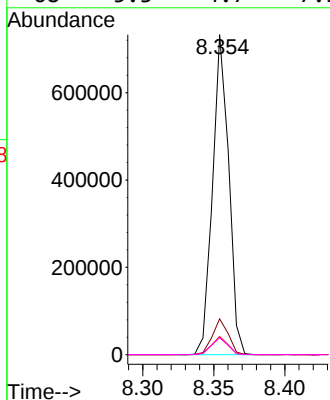
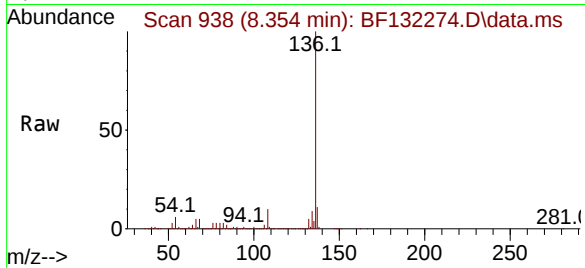




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.354 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

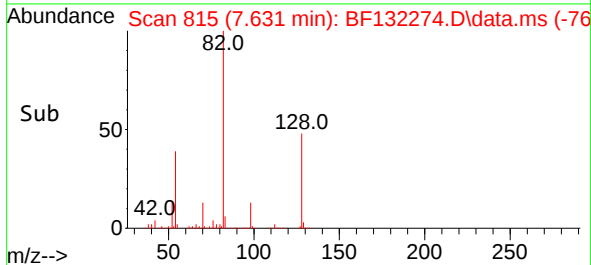
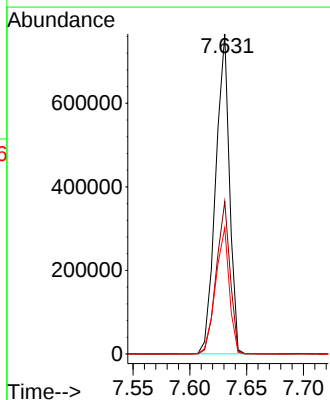
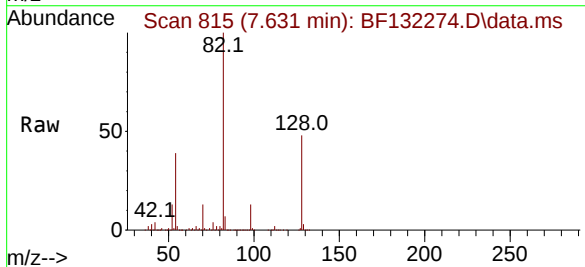
Instrument :  
BNA\_F  
ClientSampleId :  
ETGI-346

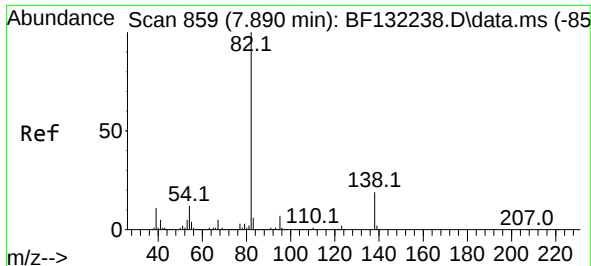
Tgt Ion:136 Resp: 578887  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 5.7 4.9 7.3  
68 5.3 4.7 7.1



#23  
Nitrobenzene-d5  
Concen: 62.220 ng  
RT: 7.631 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion: 82 Resp: 647267  
Ion Ratio Lower Upper  
82 100  
128 47.7 37.0 55.4  
54 39.4 31.5 47.3

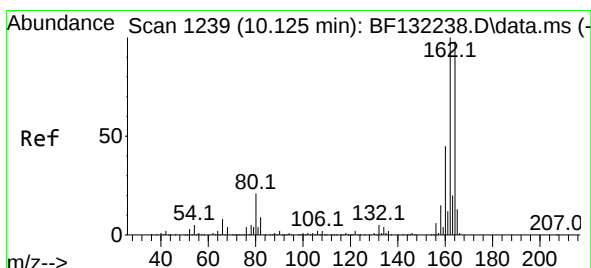
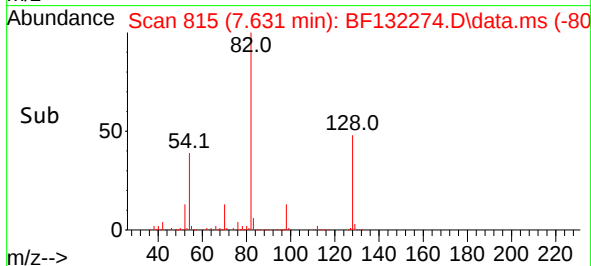
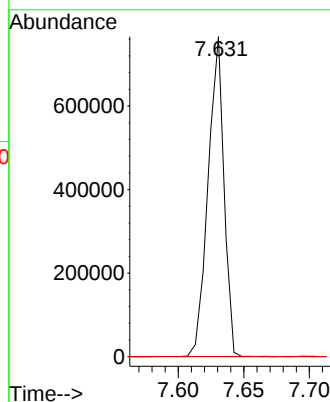
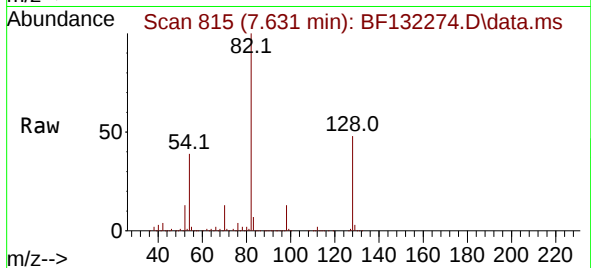




#25  
Isophorone  
Concen: 32.783 ng  
RT: 7.631 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

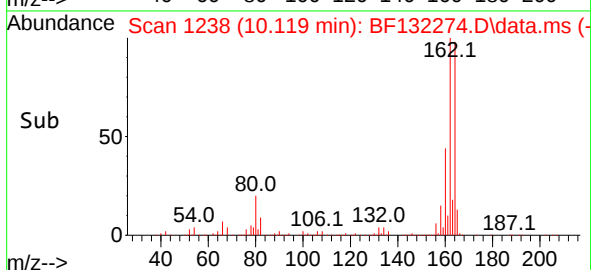
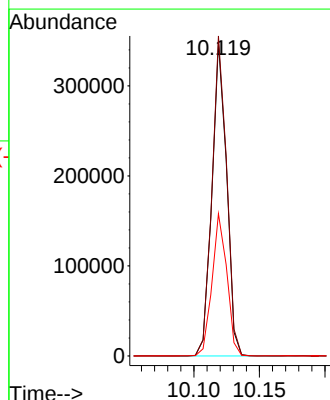
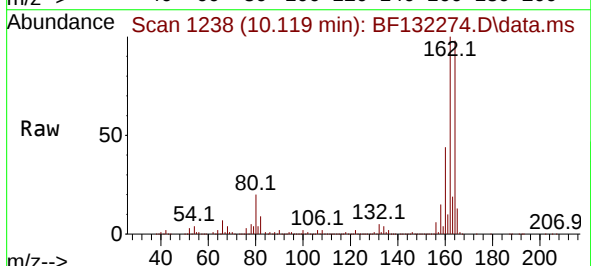
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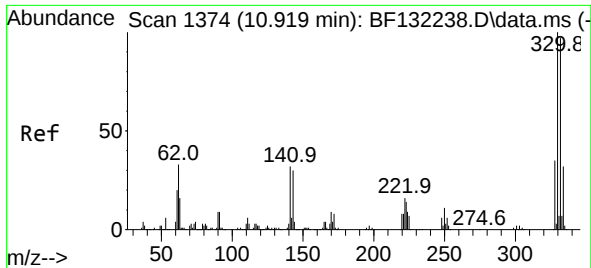
Tgt Ion: 82 Resp: 647286  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 15.0 22.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.119 min Scan# 1238  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion: 164 Resp: 270014  
Ion Ratio Lower Upper  
164 100  
162 102.1 82.0 123.0  
160 45.4 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 89.718 ng

RT: 10.913 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346

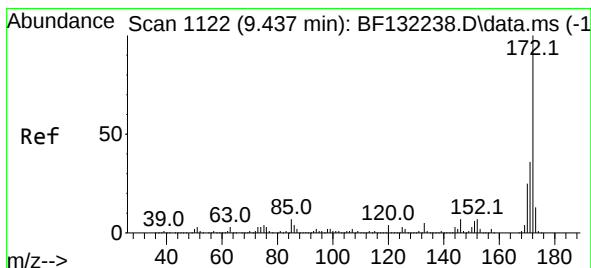
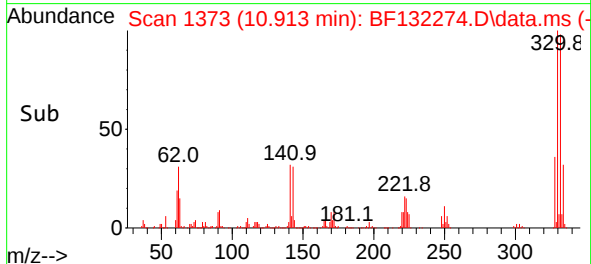
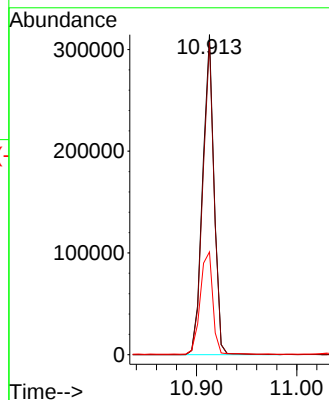
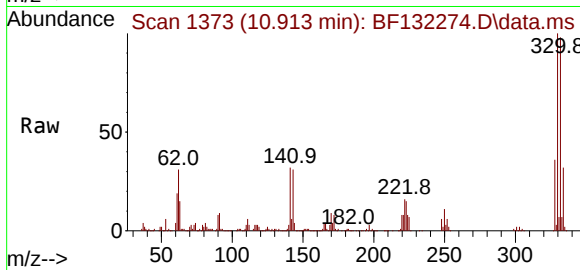
Tgt Ion:330 Resp: 249122

Ion Ratio Lower Upper

330 100

332 97.0 77.9 116.9

141 35.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 61.032 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

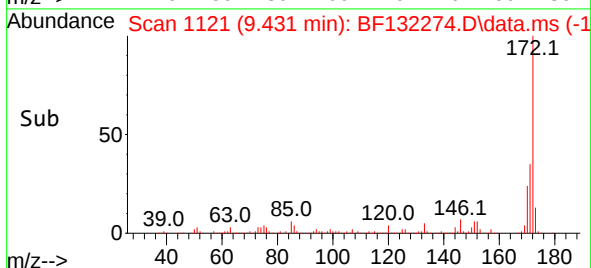
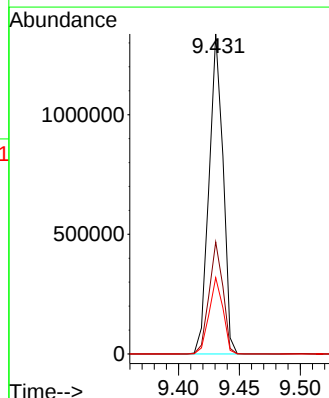
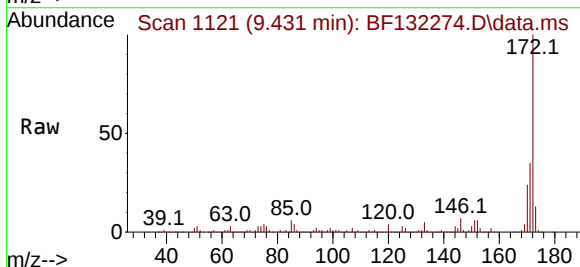
Tgt Ion:172 Resp: 1067155

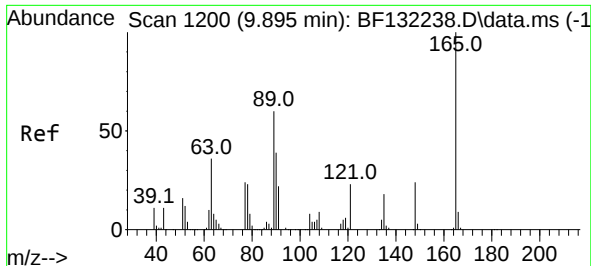
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 23.9 19.7 29.5

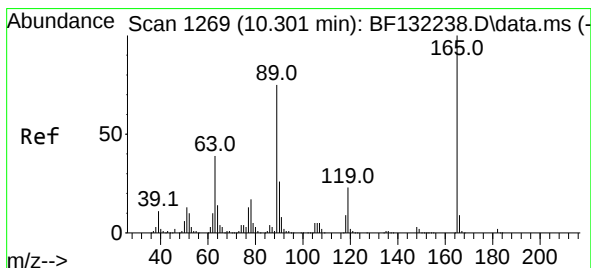
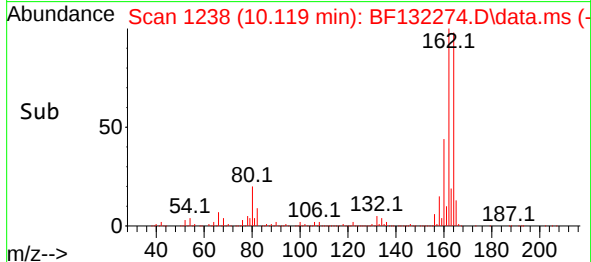
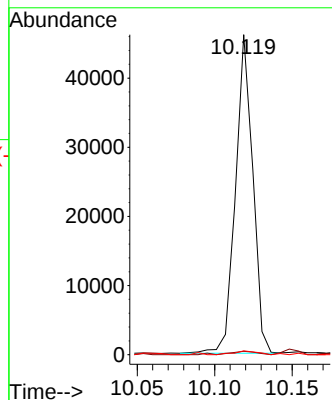
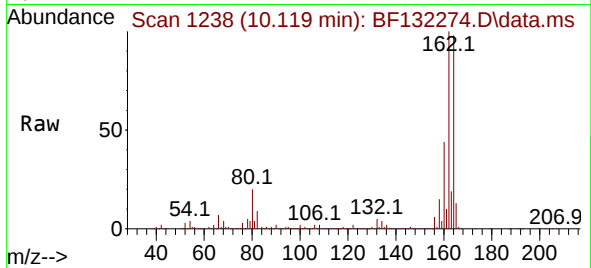




#51  
2,6-Dinitrotoluene  
Concen: 8.476 ng  
RT: 10.119 min Scan# 1200  
Delta R.T. 0.224 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

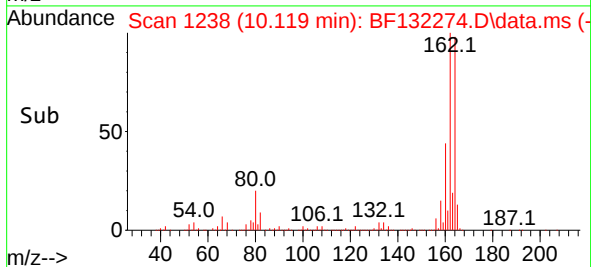
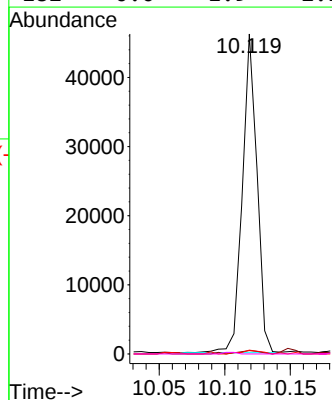
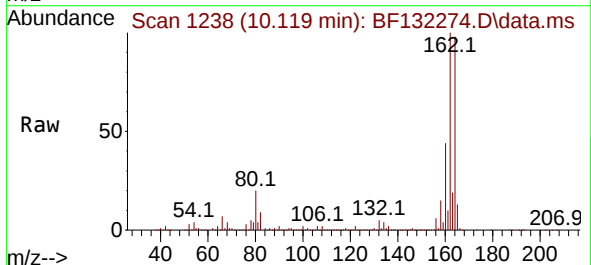
Instrument :  
BNA\_F  
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ETGI-346

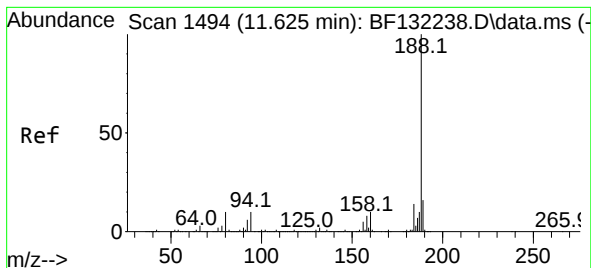
Tgt Ion:165 Resp: 35756  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.5 62.3#  
89 1.2 48.1 72.1#



#57  
2,4-Dinitrotoluene  
Concen: 6.529 ng  
RT: 10.119 min Scan# 1238  
Delta R.T. -0.183 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion:165 Resp: 35779  
Ion Ratio Lower Upper  
165 100  
63 1.1 30.9 46.3#  
89 1.2 60.1 90.1#  
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.619 min Scan# 1494

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346

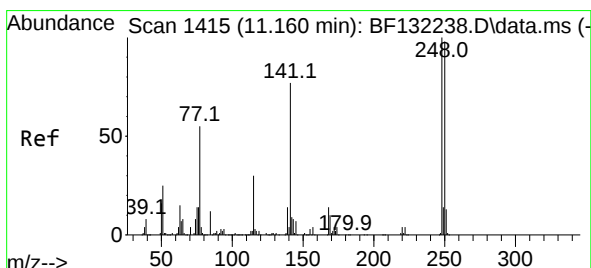
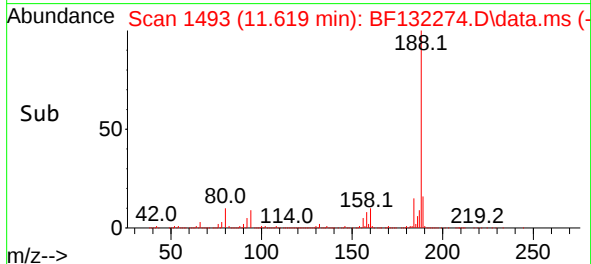
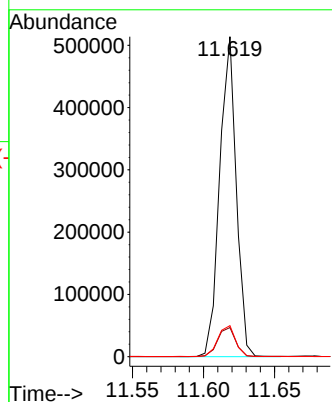
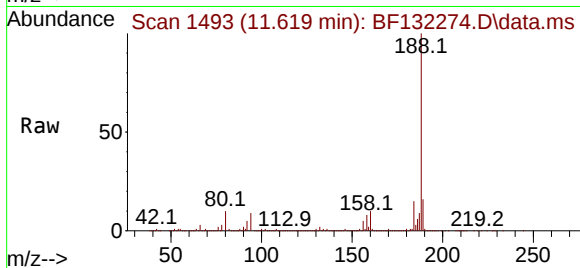
Tgt Ion:188 Resp: 416690

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

80 9.7 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.552 ng

RT: 10.913 min Scan# 1373

Delta R.T. -0.247 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

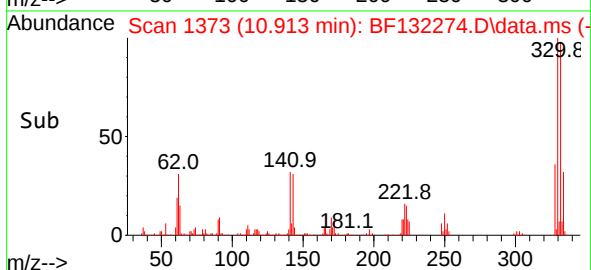
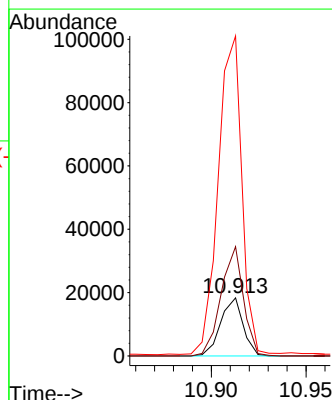
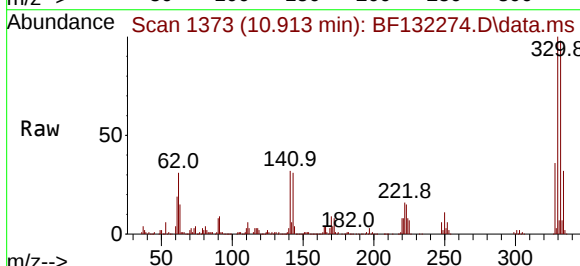
Tgt Ion:248 Resp: 15157

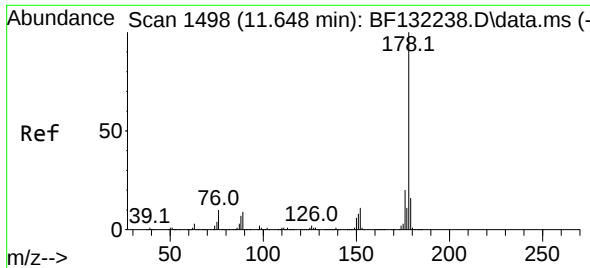
Ion Ratio Lower Upper

248 100

250 188.0 78.6 117.8#

141 550.3 61.6 92.4#

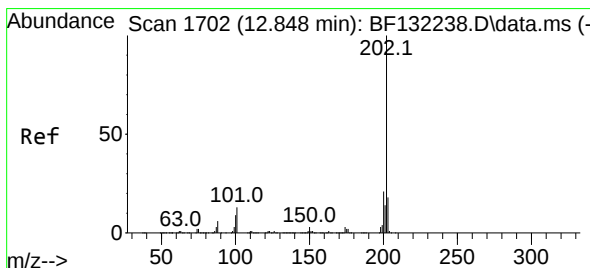
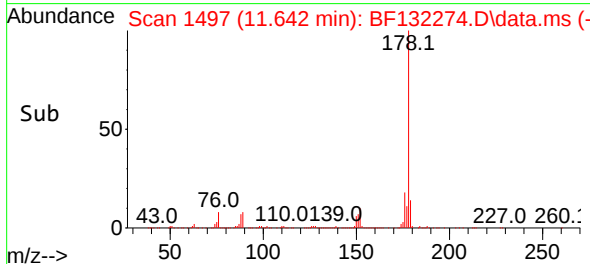
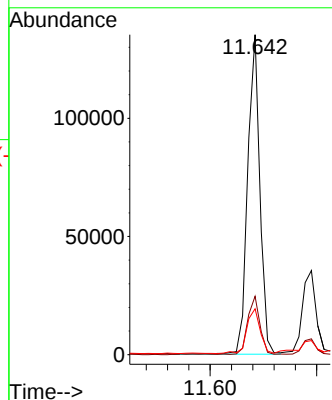
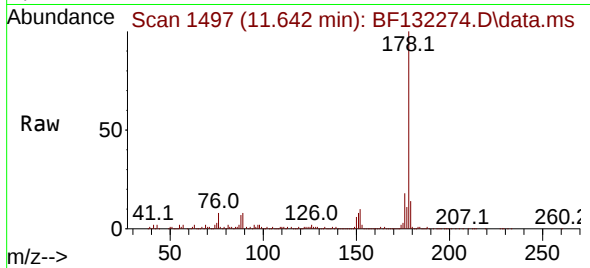




#71  
Phenanthrene  
Concen: 4.939 ng  
RT: 11.642 min Scan# 1498  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

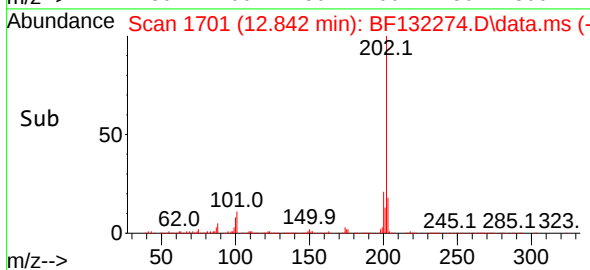
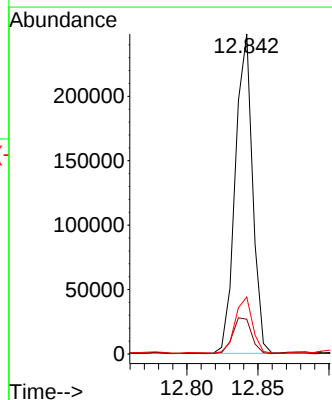
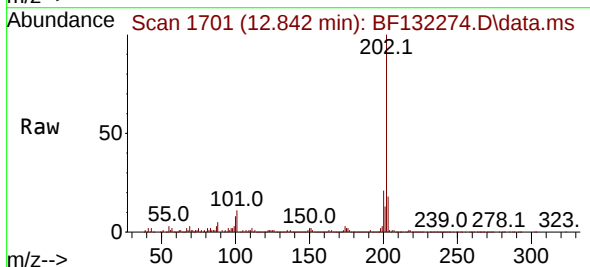
Instrument :  
BNA\_F  
ClientSampleId :  
ETGI-346

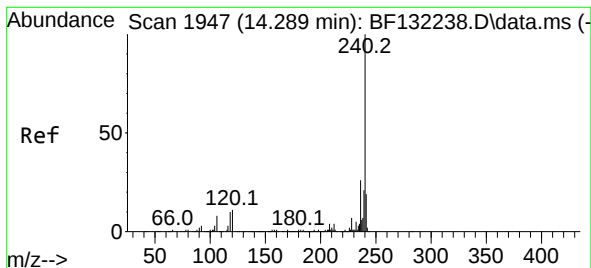
Tgt Ion:178 Resp: 107537  
Ion Ratio Lower Upper  
178 100  
176 18.2 16.2 24.4  
179 14.4 12.8 19.2



#75  
Fluoranthene  
Concen: 9.421 ng  
RT: 12.842 min Scan# 1701  
Delta R.T. -0.006 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion:202 Resp: 209348  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 32.7  
203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.277 min Scan# 1945

Delta R.T. -0.012 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346

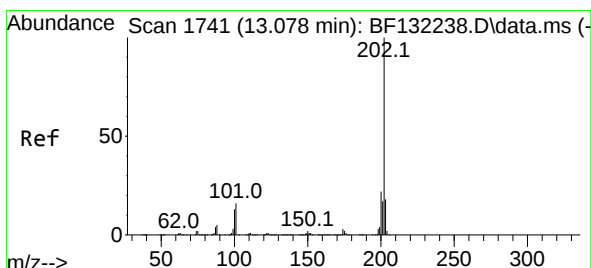
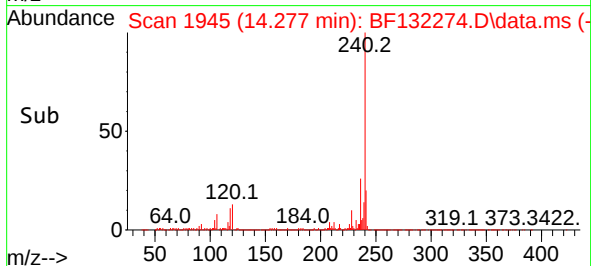
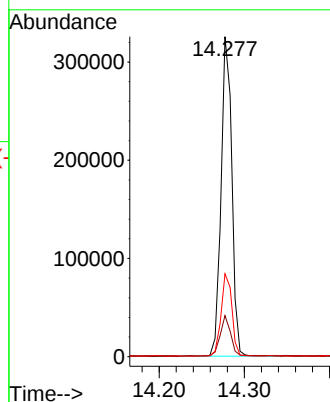
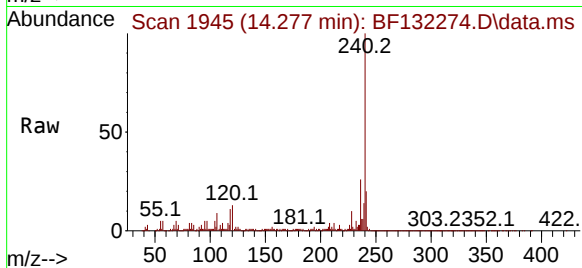
Tgt Ion:240 Resp: 284988

Ion Ratio Lower Upper

240 100

120 12.8 8.8 13.2

236 25.9 21.0 31.6



#78

Pyrene

Concen: 9.809 ng

RT: 13.071 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

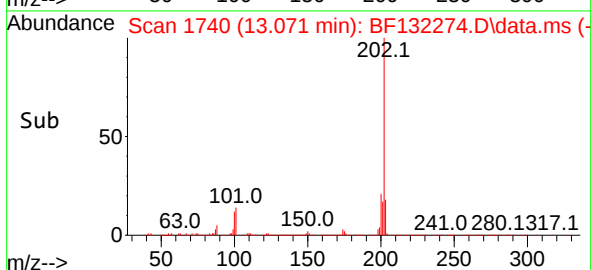
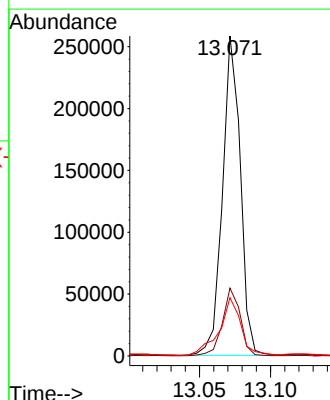
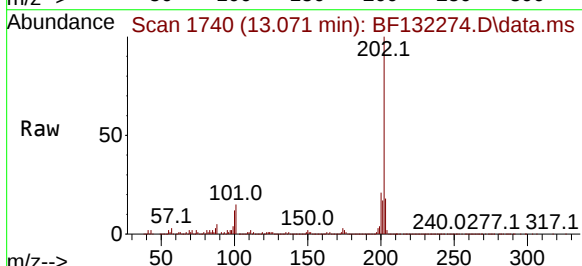
Tgt Ion:202 Resp: 224846

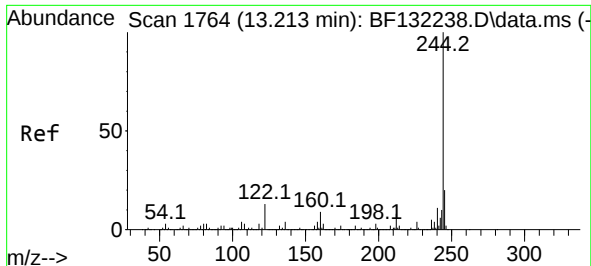
Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 18.2 14.4 21.6

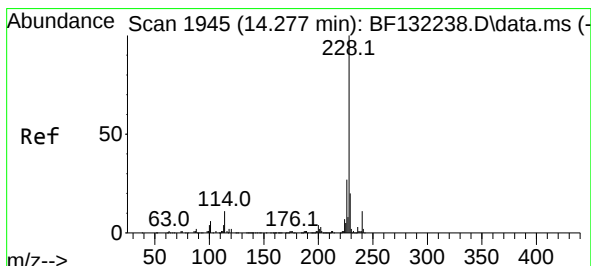
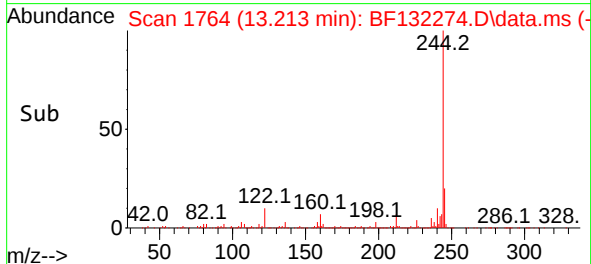
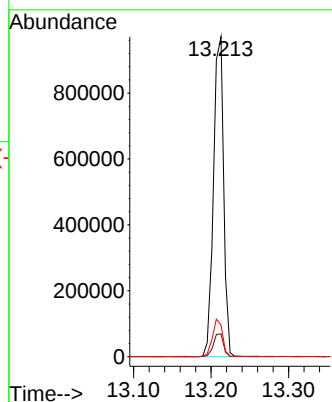
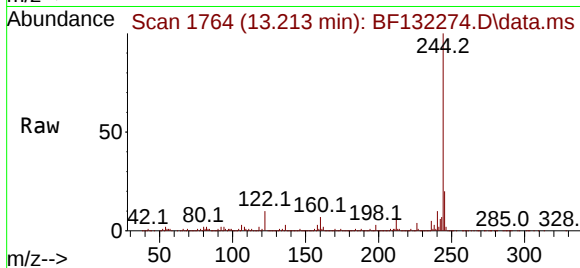




#79  
 Terphenyl-d14  
 Concen: 60.152 ng  
 RT: 13.213 min Scan# 1764  
 Delta R.T. -0.000 min  
 Lab File: BF132274.D  
 Acq: 01 Feb 2023 22:42

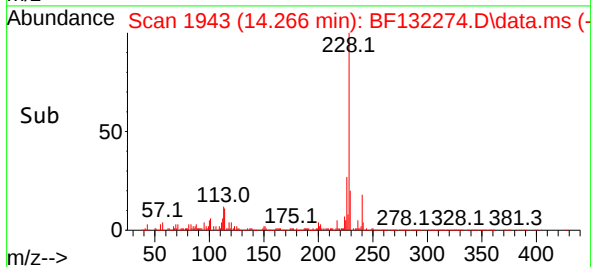
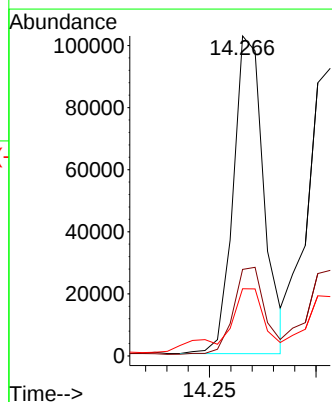
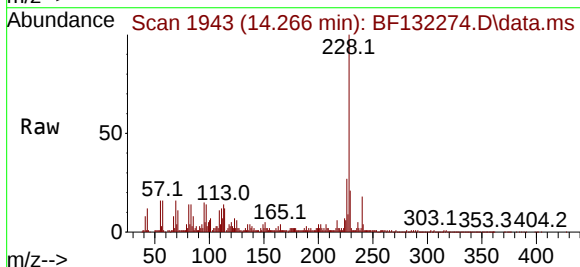
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ETGI-346

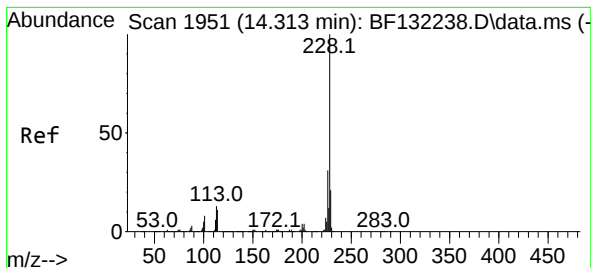
Tgt Ion:244 Resp: 886191  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 6.4 9.6  
 122 9.9 10.5 15.7#



#81  
 Benzo(a)anthracene  
 Concen: 5.137 ng  
 RT: 14.266 min Scan# 1943  
 Delta R.T. -0.012 min  
 Lab File: BF132274.D  
 Acq: 01 Feb 2023 22:42

Tgt Ion:228 Resp: 102392  
 Ion Ratio Lower Upper  
 228 100  
 226 27.1 22.0 33.0  
 229 21.0 15.8 23.6





#83

Chrysene

Concen: 5.200 ng

RT: 14.307 min Scan# 1951

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346

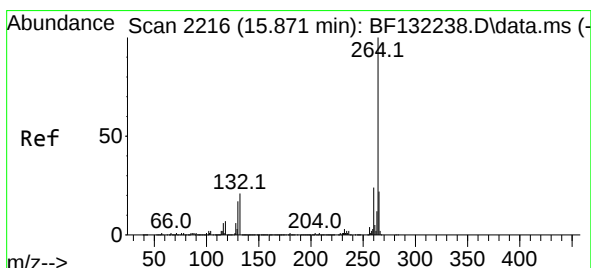
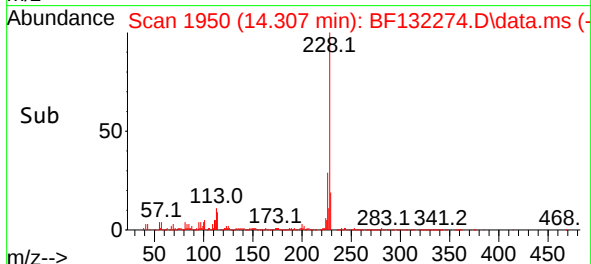
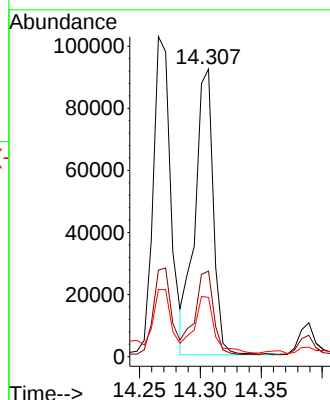
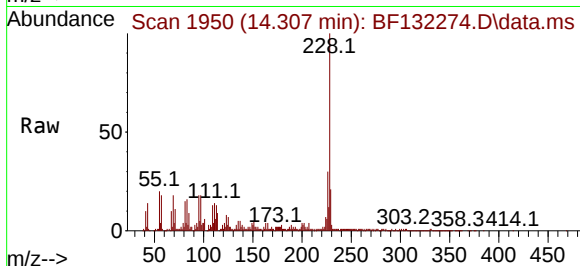
Tgt Ion:228 Resp: 97054

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

229 20.6 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.865 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

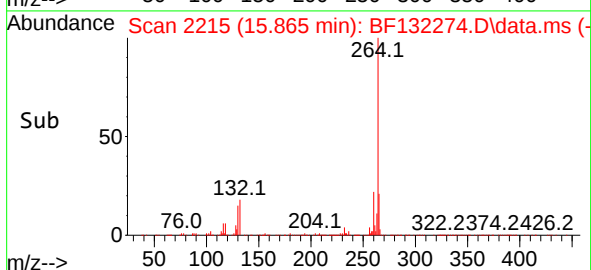
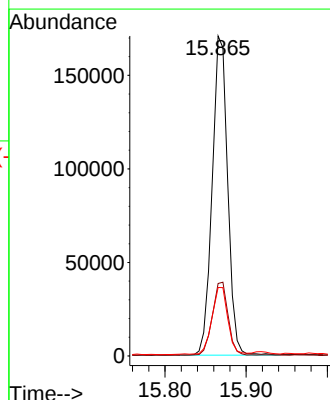
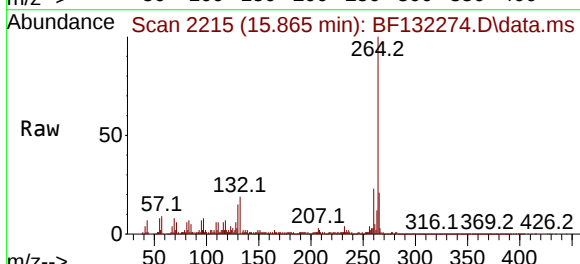
Tgt Ion:264 Resp: 225736

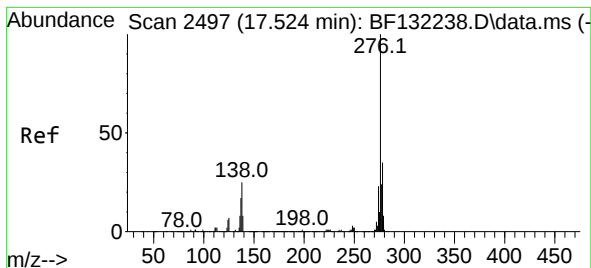
Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.365 ng

RT: 17.506 min Scan# 2494

Delta R.T. -0.018 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346

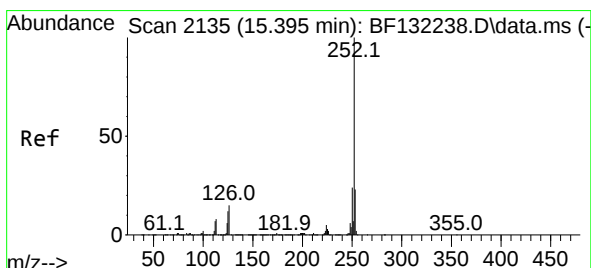
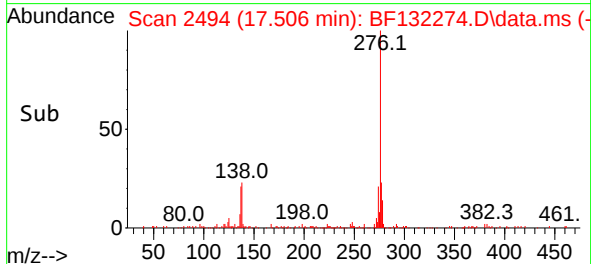
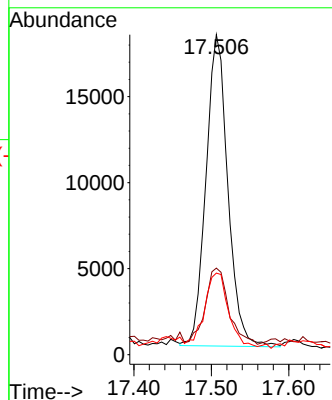
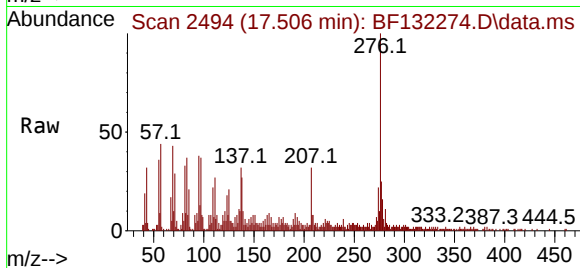
Tgt Ion:276 Resp: 35469

Ion Ratio Lower Upper

276 100

138 26.1 23.3 34.9

277 25.2 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 8.997 ng

RT: 15.389 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BF132274.D

Acq: 01 Feb 2023 22:42

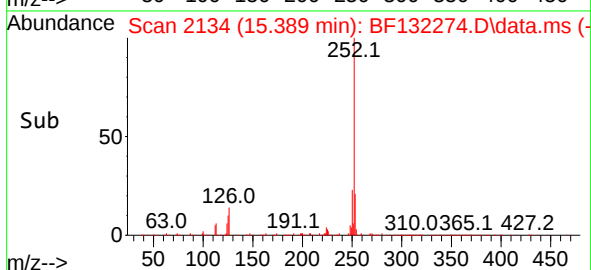
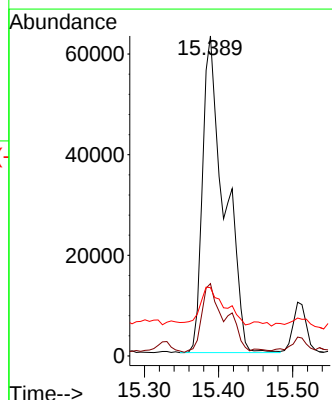
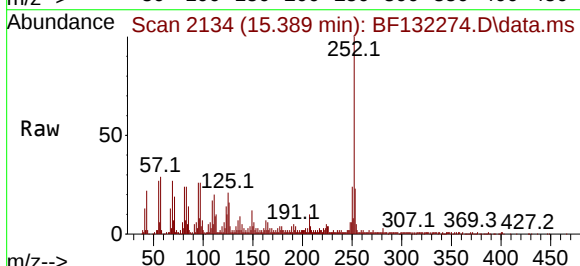
Tgt Ion:252 Resp: 129090

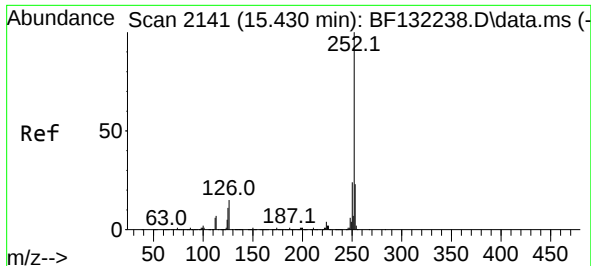
Ion Ratio Lower Upper

252 100

253 22.6 18.1 27.1

125 21.3 9.6 14.4#

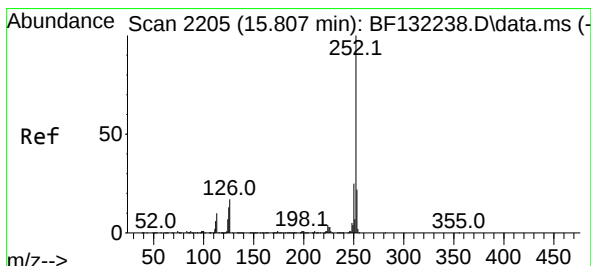
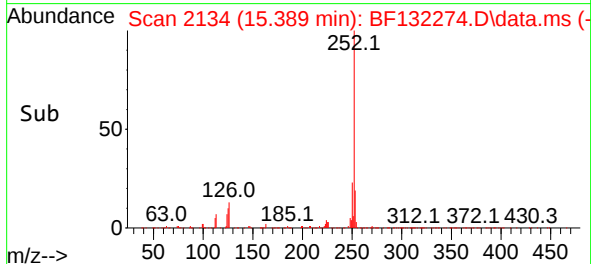
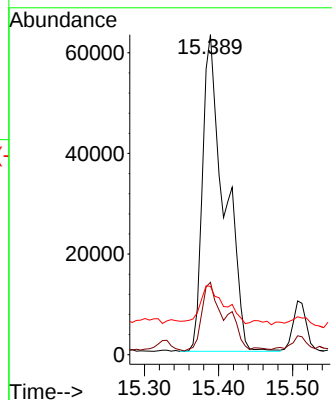
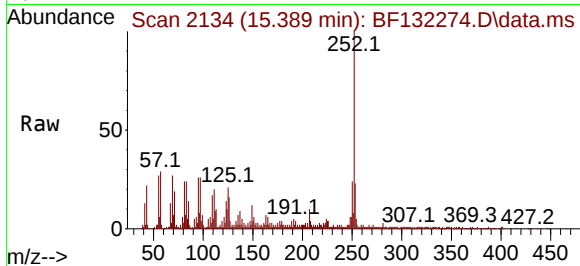




#89  
Benzo(k)fluoranthene  
Concen: 9.425 ng  
RT: 15.389 min Scan# 2141  
Delta R.T. -0.041 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

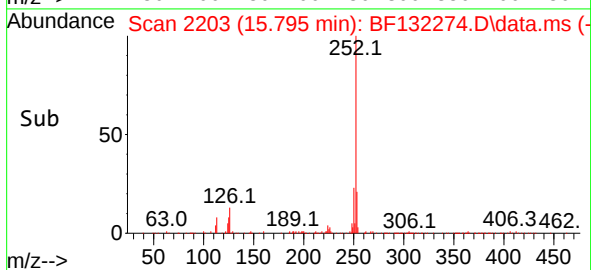
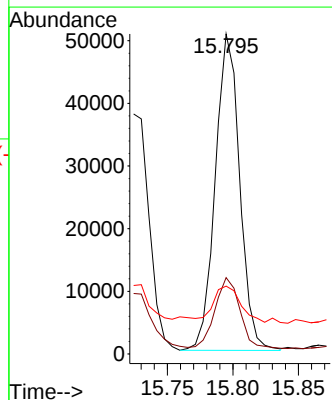
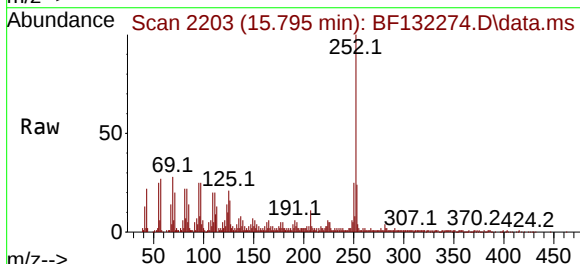
Instrument :  
BNA\_F  
ClientSampleId :  
ETGI-346

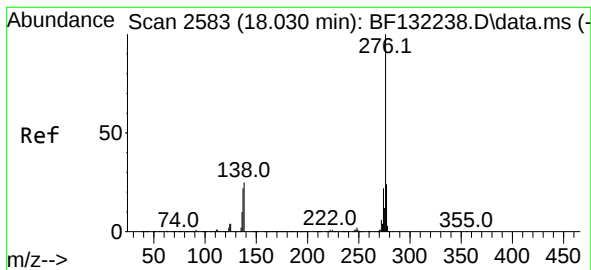
Tgt Ion:252 Resp: 129090  
Ion Ratio Lower Upper  
252 100  
253 22.6 18.2 27.2  
125 21.3 9.0 13.6#



#90  
Benzo(a)pyrene  
Concen: 4.891 ng  
RT: 15.795 min Scan# 2203  
Delta R.T. -0.012 min  
Lab File: BF132274.D  
Acq: 01 Feb 2023 22:42

Tgt Ion:252 Resp: 65350  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.8 26.8  
125 21.2 10.2 15.4#





#92

Benzo(g,h,i)perylene

Concen: 2.922 ng

RT: 18.006 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF132274.D

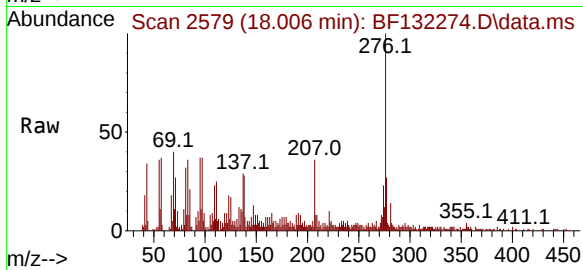
Acq: 01 Feb 2023 22:42

Instrument :

BNA\_F

ClientSampleId :

ETGI-346



Tgt Ion:276 Resp: 36403

Ion Ratio Lower Upper

276 100

277 26.8 19.4 29.2

138 27.9 20.3 30.5

