

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF113022\  
 Data File : BF131482.D  
 Acq On : 30 Nov 2022 21:06  
 Operator : CG\JU  
 Sample : N5812-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-16

Quant Time: Dec 01 01:16:05 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 01 01:09:58 2022  
 Response via : Initial Calibration

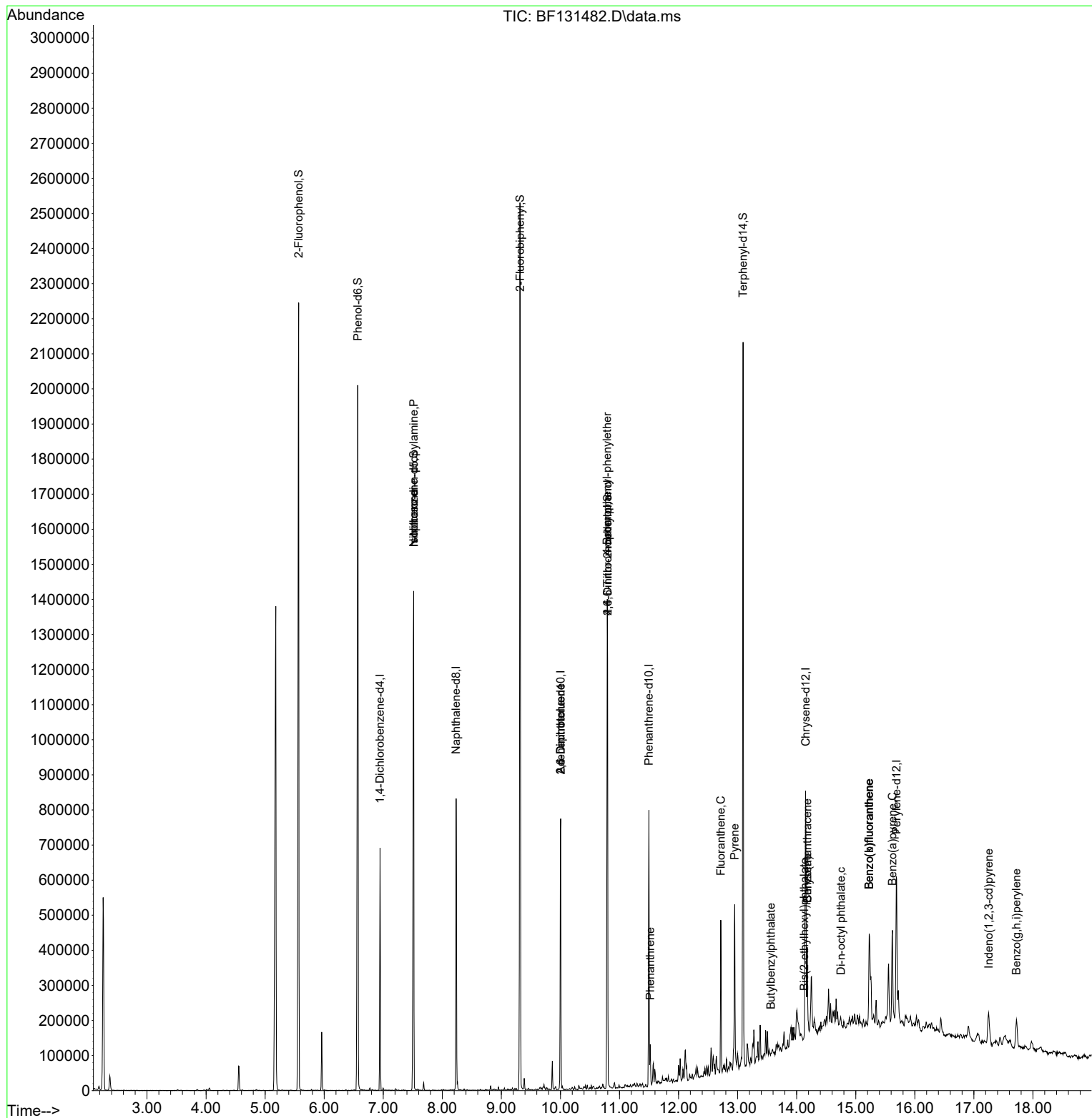
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.945  | 152  | 89810    | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.234  | 136  | 326690   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.004 | 164  | 163425   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.498 | 188  | 272365   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 14.151 | 240  | 208177   | 20.000    | ng    | # 0.00   |
| 86) Perylene-d12              | 15.692 | 264  | 215662   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.569  | 112  | 589390   | 124.901   | ng    | 0.01     |
| 7) Phenol-d6                  | 6.569  | 99   | 722891   | 120.067   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 469816   | 72.493    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.798 | 330  | 163356   | 118.812   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 747341   | 66.529    | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.092 | 244  | 693648   | 54.487    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.498  | 77   | 108      | Below Cal | #     | 4        |
| 19) n-Nitroso-di-n-propyla... | 7.516  | 70   | 64416    | 14.615    | ng    | # 71     |
| 25) Isophorone                | 7.516  | 82   | 469811   | 40.633    | ng    | # 68     |
| 51) 2,6-Dinitrotoluene        | 10.004 | 165  | 21604    | 9.487     | ng    | # 15     |
| 57) 2,4-Dinitrotoluene        | 10.004 | 165  | 21604    | 7.540     | ng    | # 19     |
| 65) 4,6-Dinitro-2-methylph... | 10.798 | 198  | 236      | 4.799     | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 10667    | 3.195     | ng    | # 1      |
| 71) Phenanthrene              | 11.522 | 178  | 38690    | 2.628     | ng    | 96       |
| 75) Fluoranthene              | 12.716 | 202  | 157968   | 10.185    | ng    | 99       |
| 78) Pyrene                    | 12.951 | 202  | 192074   | 10.457    | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.563 | 149  | 1355     | 4.344     | ng    | # 91     |
| 81) Benzo(a)anthracene        | 14.180 | 228  | 108806   | 7.625     | ng    | 95       |
| 83) Chrysene                  | 14.180 | 228  | 108806   | 7.772     | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.127 | 149  | 1235     | 3.888     | ng    | # 63     |
| 85) Di-n-octyl phthalate      | 14.751 | 149  | 2277     | 4.125     | ng    | # 66     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.251 | 276  | 69548    | 4.801     | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.227 | 252  | 216725   | 15.127    | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.227 | 252  | 216725   | 14.720    | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.621 | 252  | 136239   | 11.589    | ng    | # 98     |
| 92) Benzo(g,h,i)perylene      | 17.721 | 276  | 72499    | 6.074     | ng    | 93       |
| -----                         |        |      |          |           |       |          |

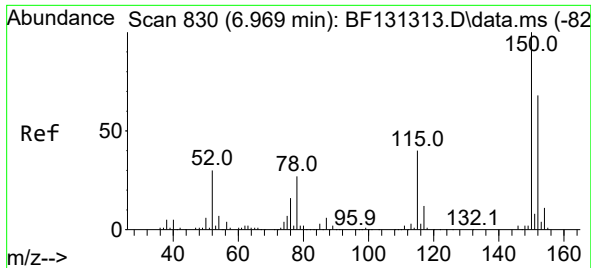
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF113022\  
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Quant Time: Dec 01 01:16:05 2022  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 01 01:09:58 2022  
Response via : Initial Calibration

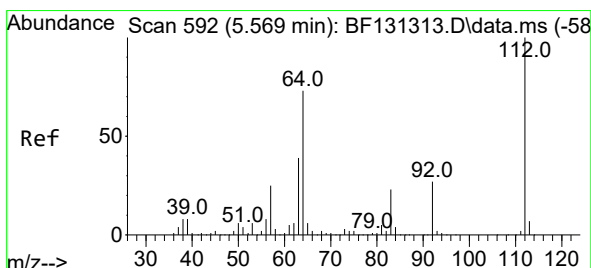
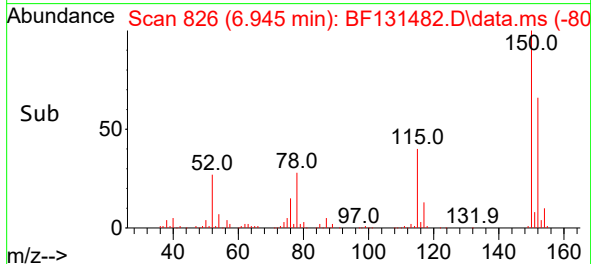
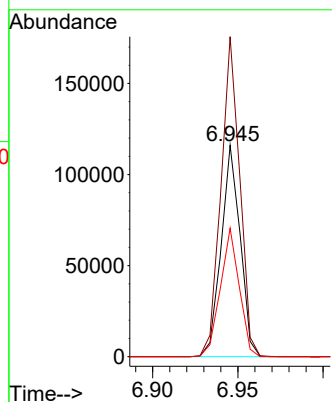
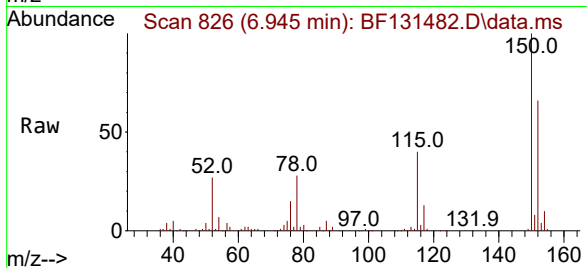




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.945 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

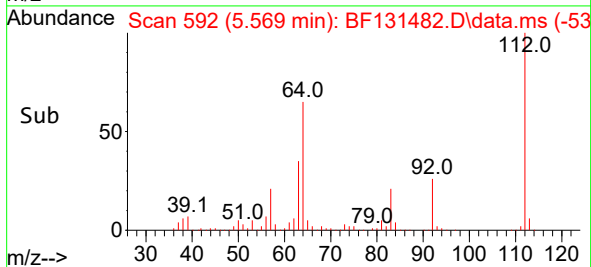
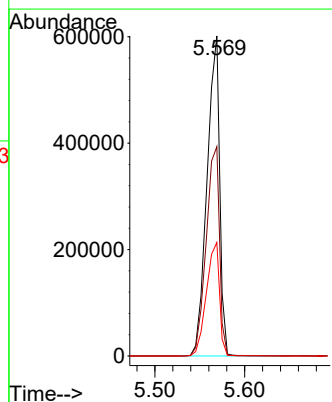
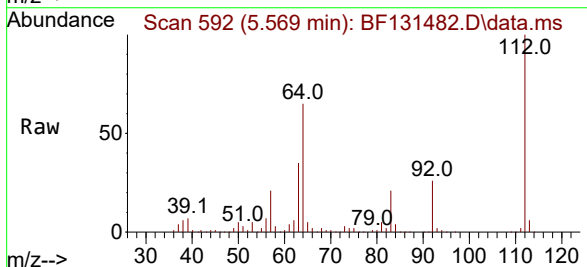
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

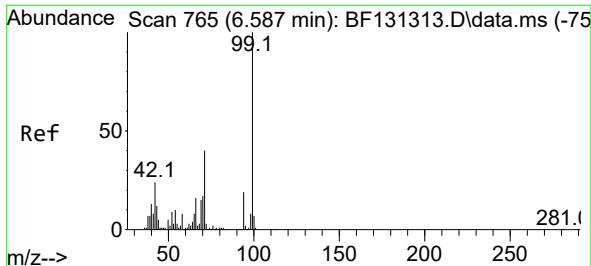
Tgt Ion:152 Resp: 89810  
Ion Ratio Lower Upper  
152 100  
150 151.4 117.8 176.8  
115 60.8 47.1 70.7



#5  
2-Fluorophenol  
Concen: 124.901 ng  
RT: 5.569 min Scan# 592  
Delta R.T. 0.012 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion:112 Resp: 589390  
Ion Ratio Lower Upper  
112 100  
64 65.4 58.6 88.0  
63 35.5 31.4 47.0

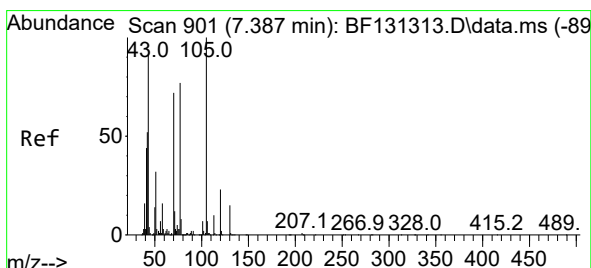
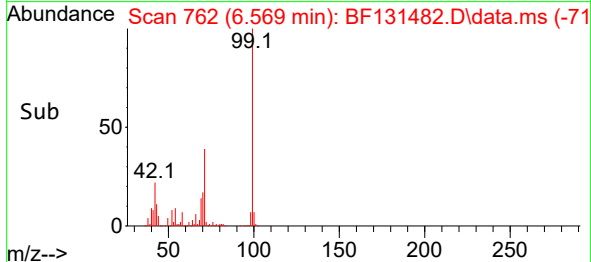
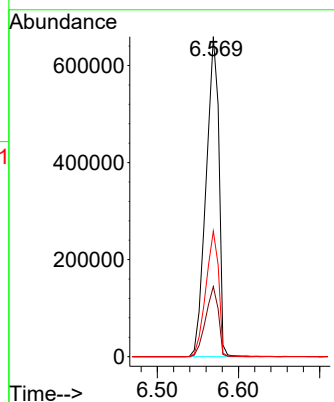
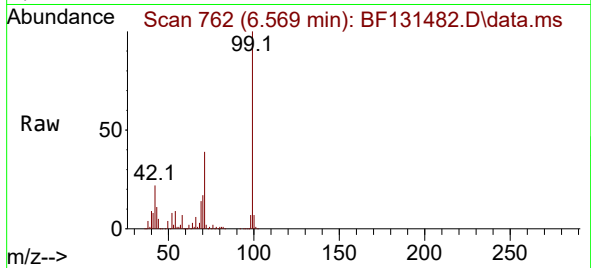




#7  
Phenol-d6  
Concen: 120.067 ng  
RT: 6.569 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

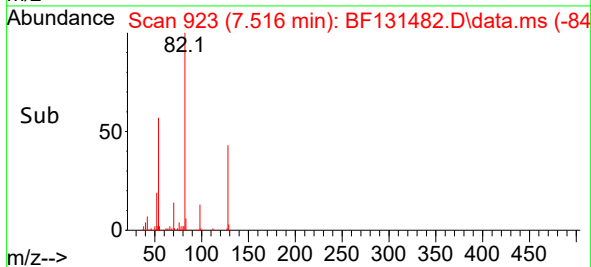
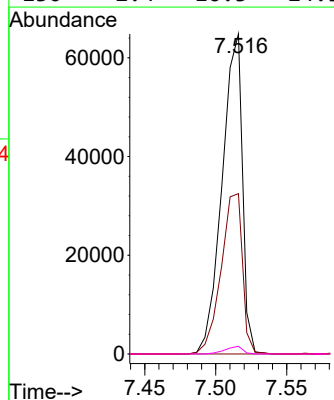
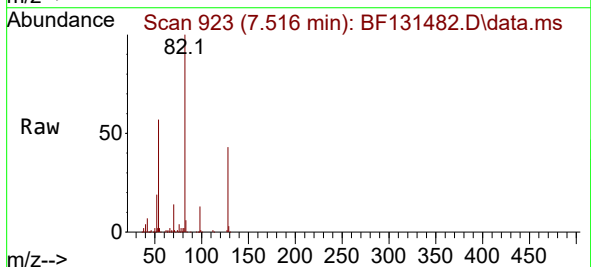
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

Tgt Ion: 99 Resp: 722891  
Ion Ratio Lower Upper  
99 100  
42 21.9 19.4 29.2  
71 39.3 32.3 48.5



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.615 ng  
RT: 7.516 min Scan# 923  
Delta R.T. 0.153 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion: 70 Resp: 64416  
Ion Ratio Lower Upper  
70 100  
42 50.1 57.6 86.4#  
101 0.0 8.2 12.2#  
130 2.4 16.3 24.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.234 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

Tgt Ion:136 Resp: 326690

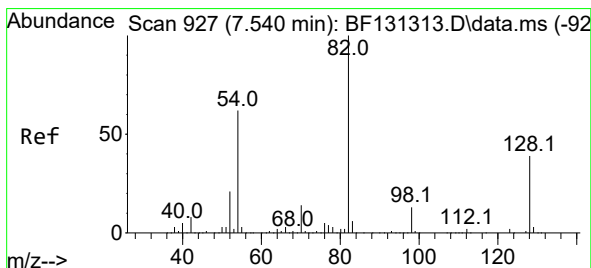
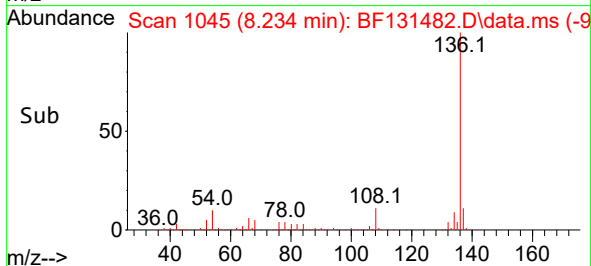
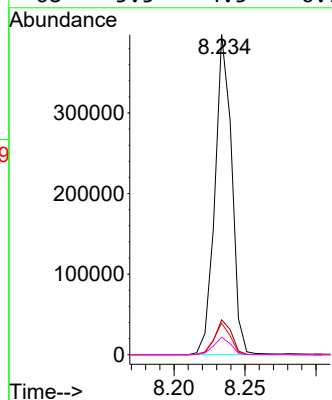
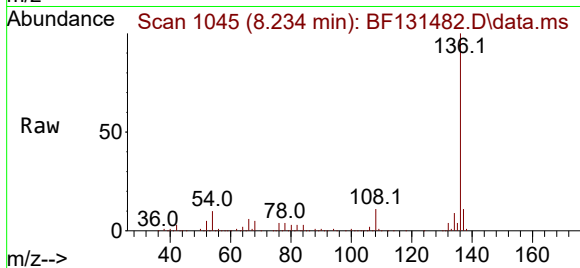
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.8 9.4 14.0

68 5.5 4.5 6.7



#23

Nitrobenzene-d5

Concen: 72.493 ng

RT: 7.516 min Scan# 923

Delta R.T. -0.000 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

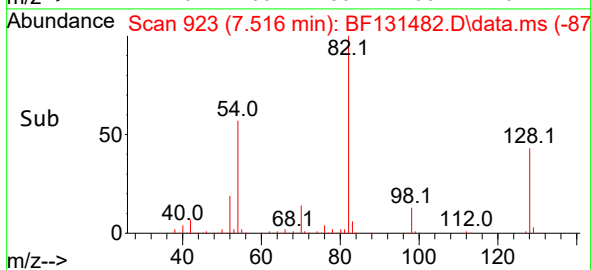
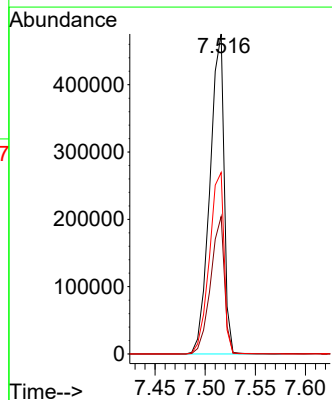
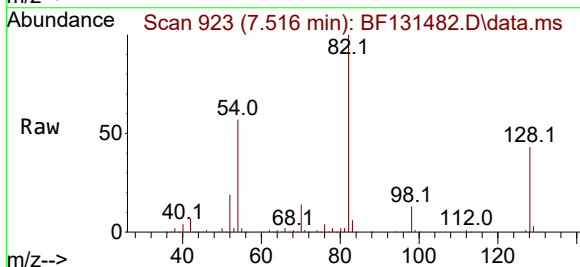
Tgt Ion: 82 Resp: 469816

Ion Ratio Lower Upper

82 100

128 43.0 31.4 47.0

54 56.7 49.8 74.6

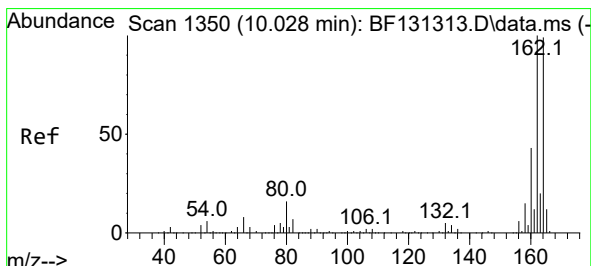
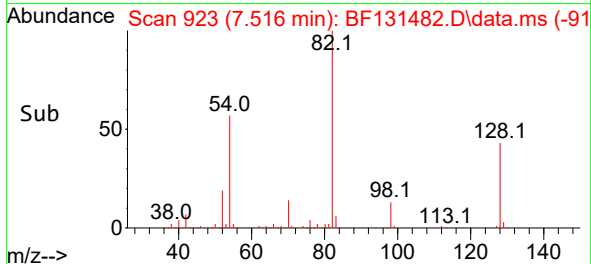
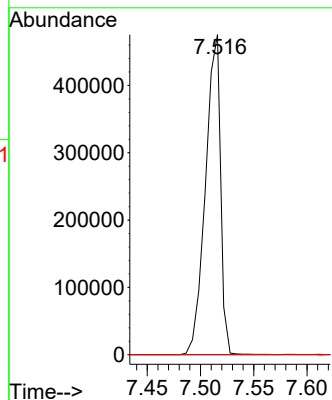
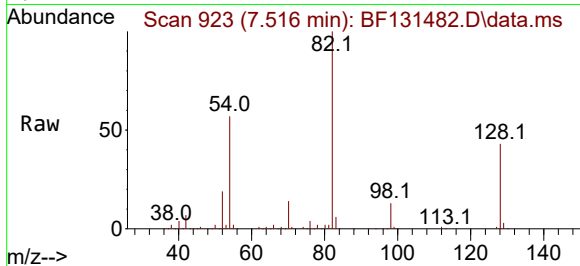




#25  
Isophorone  
Concen: 40.633 ng  
RT: 7.516 min Scan# 91  
Delta R.T. -0.259 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

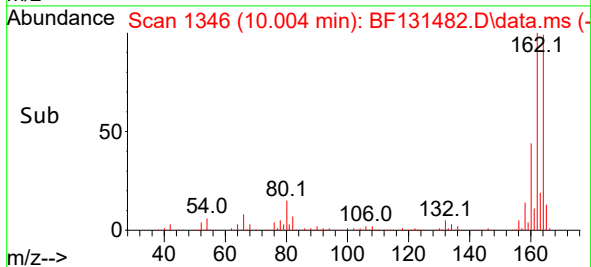
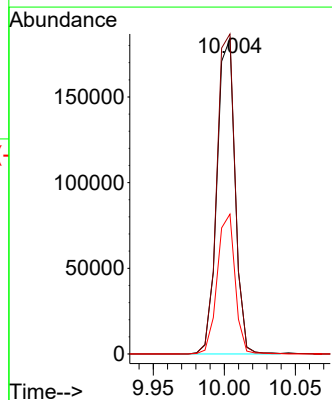
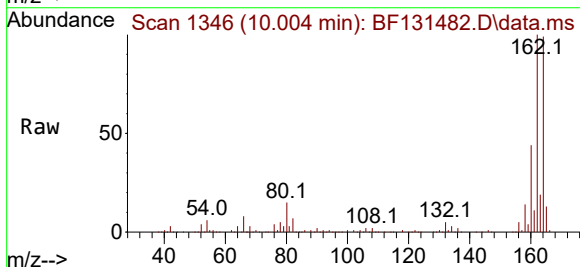
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

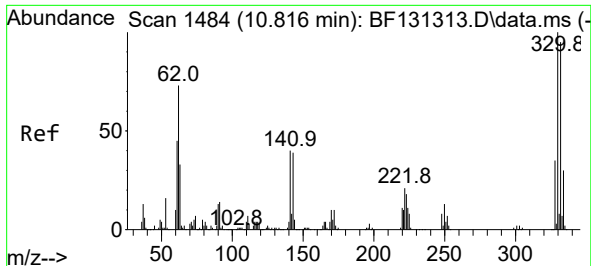
Tgt Ion: 82 Resp: 469811  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.2#  
138 0.0 12.7 19.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. -0.000 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion: 164 Resp: 163425  
Ion Ratio Lower Upper  
164 100  
162 101.5 80.6 120.8  
160 44.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 118.812 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.000 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

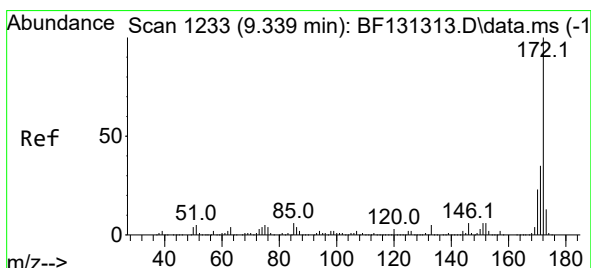
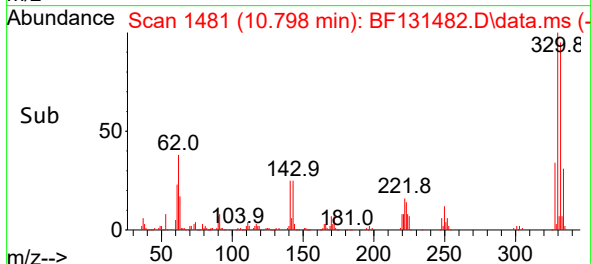
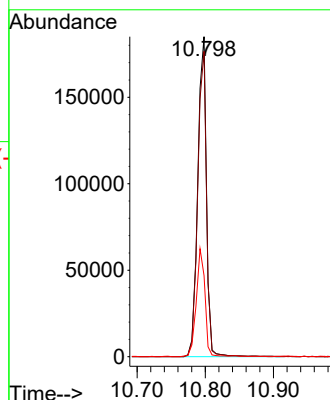
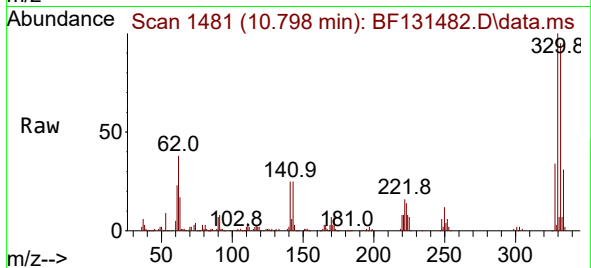
Tgt Ion:330 Resp: 163356

Ion Ratio Lower Upper

330 100

332 95.7 77.5 116.3

141 33.5 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 66.529 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

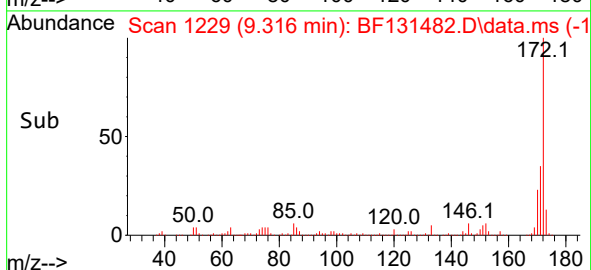
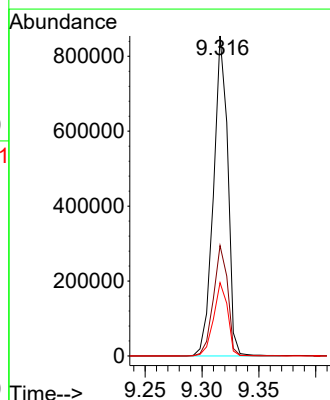
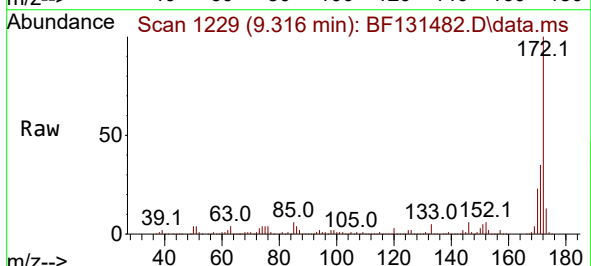
Tgt Ion:172 Resp: 747341

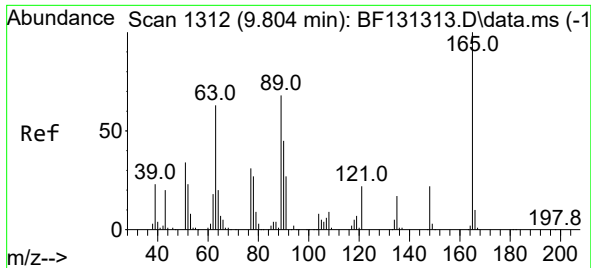
Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

170 22.9 18.7 28.1

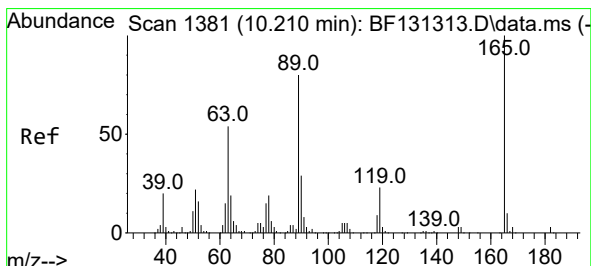
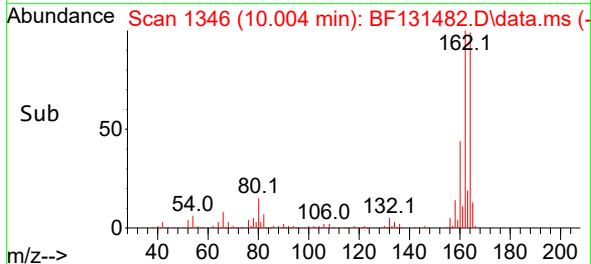
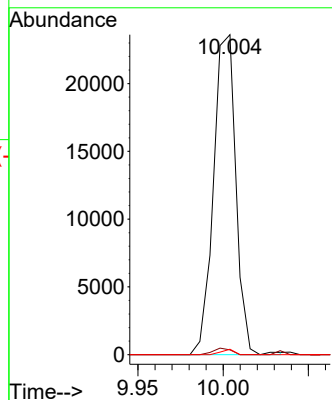
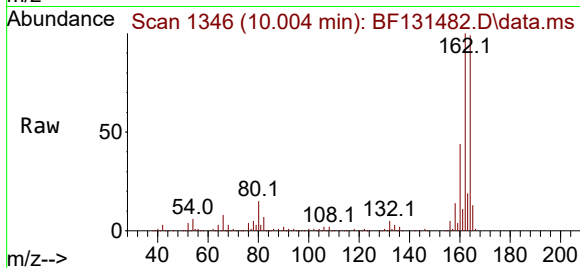




#51  
2,6-Dinitrotoluene  
Concen: 9.487 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.218 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

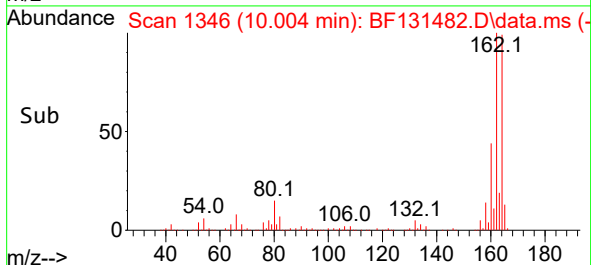
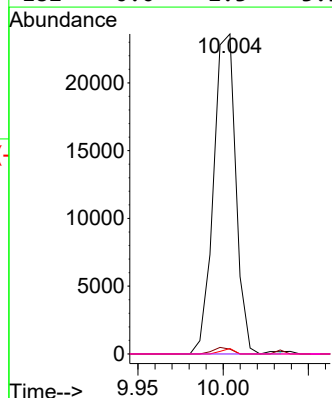
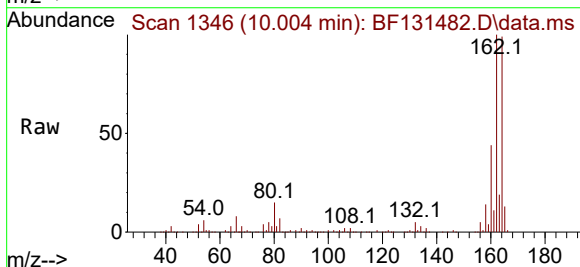
Instrument :  
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MH-16

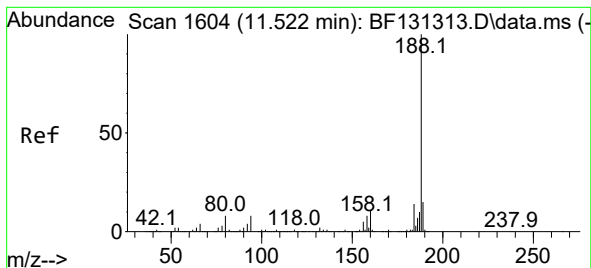
Tgt Ion:165 Resp: 21604  
Ion Ratio Lower Upper  
165 100  
63 1.5 62.0 93.0#  
89 1.7 54.4 81.6#



#57  
2,4-Dinitrotoluene  
Concen: 7.540 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. -0.188 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion:165 Resp: 21604  
Ion Ratio Lower Upper  
165 100  
63 1.5 43.4 65.2#  
89 1.7 64.0 96.0#  
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

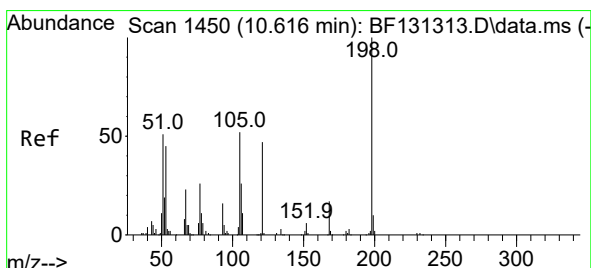
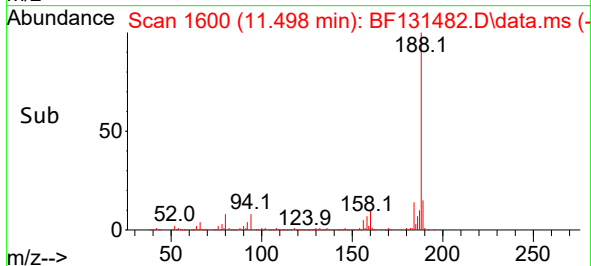
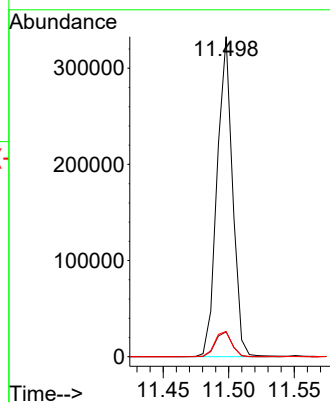
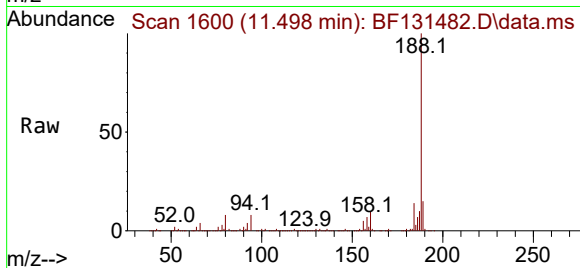
Tgt Ion:188 Resp: 272365

Ion Ratio Lower Upper

188 100

94 7.7 6.3 9.5

80 7.9 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.799 ng

RT: 10.798 min Scan# 1481

Delta R.T. 0.200 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

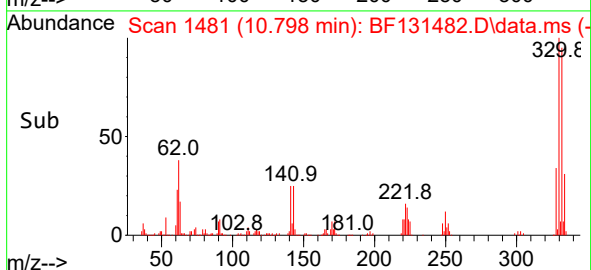
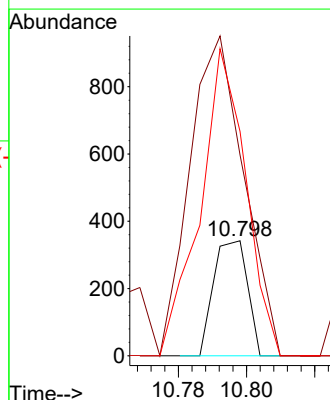
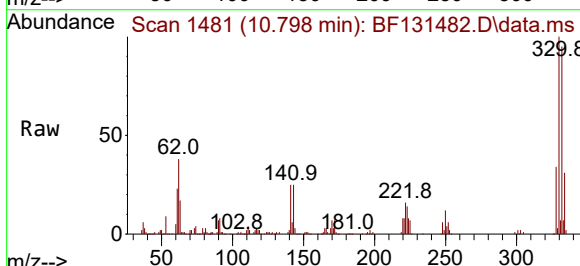
Tgt Ion:198 Resp: 236

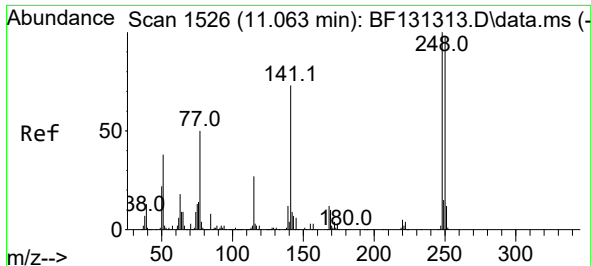
Ion Ratio Lower Upper

198 100

51 174.6 50.1 90.1#

105 195.0 32.5 72.5#

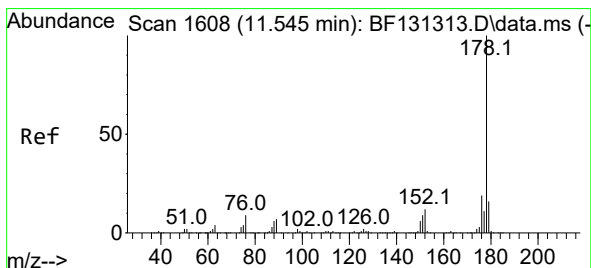
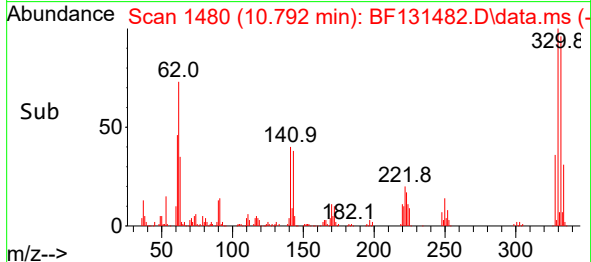
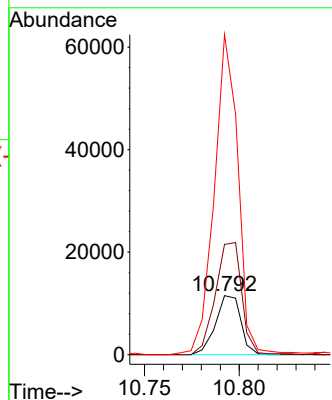
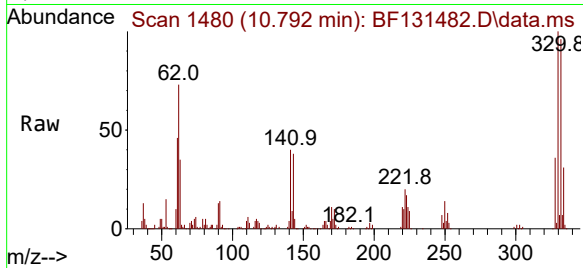




#67  
4-Bromophenyl-phenylether  
Concen: 3.195 ng  
RT: 10.792 min Scan# 14  
Delta R.T. -0.247 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

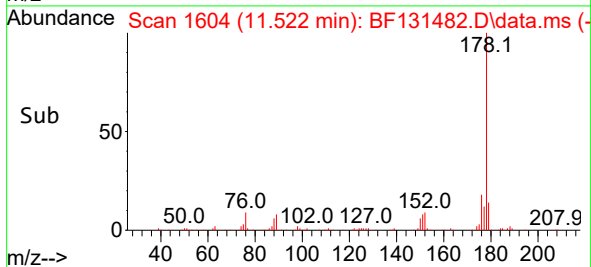
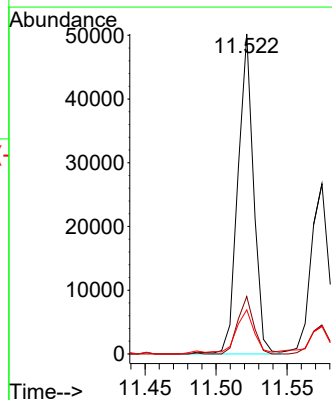
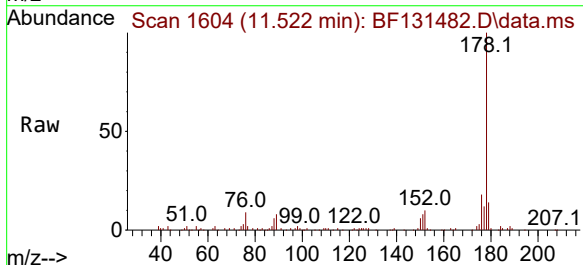
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

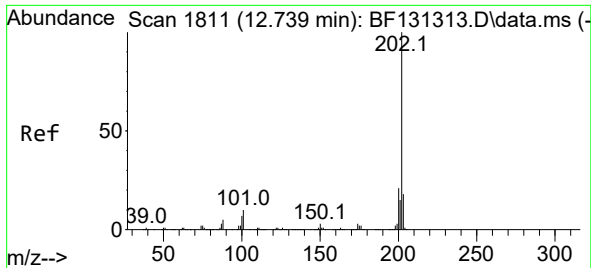
Tgt Ion:248 Resp: 10667  
Ion Ratio Lower Upper  
248 100  
250 186.6 78.3 117.5#  
141 541.4 58.0 87.0#



#71  
Phenanthrene  
Concen: 2.628 ng  
RT: 11.522 min Scan# 1604  
Delta R.T. -0.006 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion:178 Resp: 38690  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.6 23.4  
179 13.8 12.4 18.6

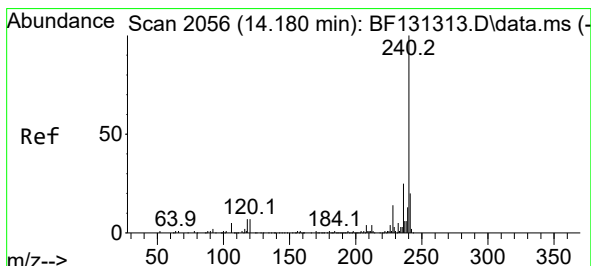
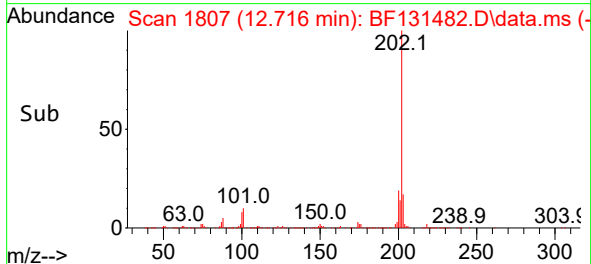
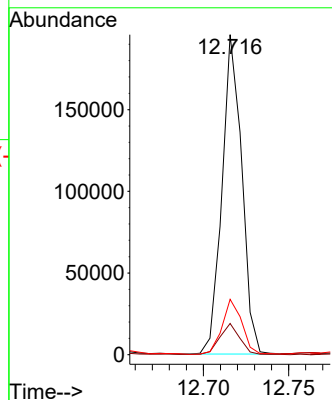
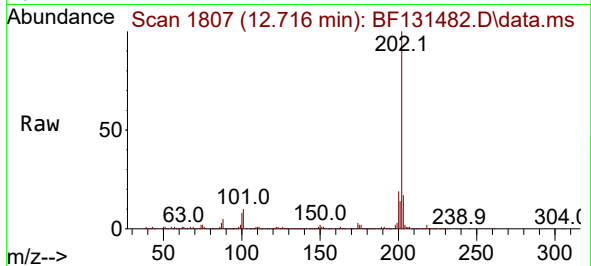




#75  
Fluoranthene  
Concen: 10.185 ng  
RT: 12.716 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

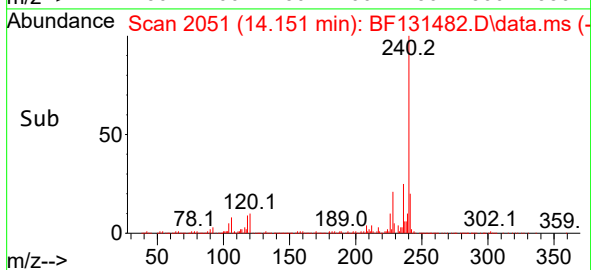
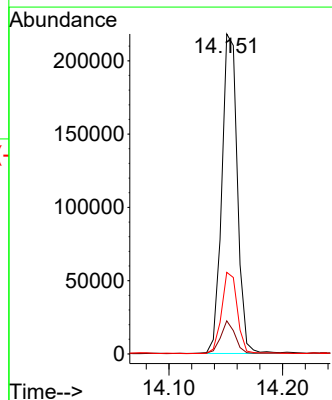
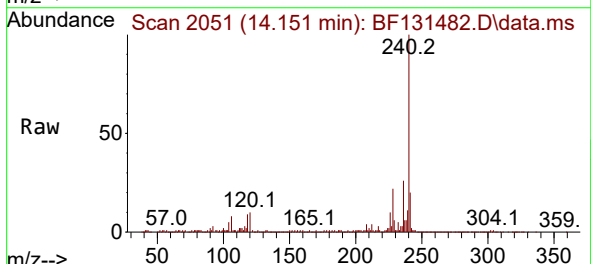
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

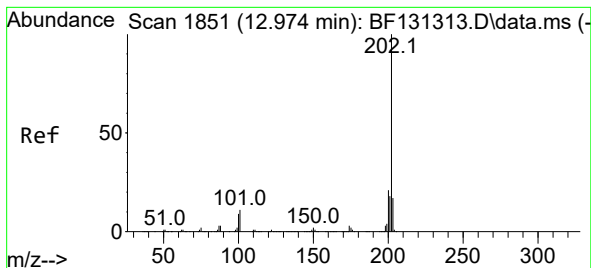
Tgt Ion:202 Resp: 157968  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 29.6  
203 17.3 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.151 min Scan# 2051  
Delta R.T. -0.006 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion:240 Resp: 208177  
Ion Ratio Lower Upper  
240 100  
120 10.3 5.8 8.8#  
236 25.5 20.3 30.5





#78

Pyrene

Concen: 10.457 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

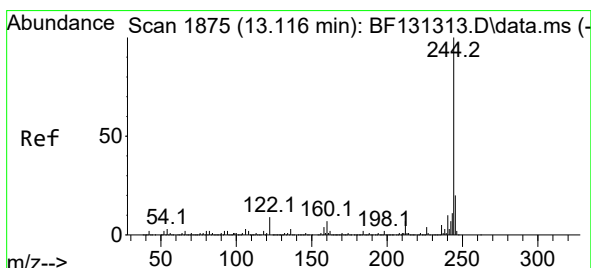
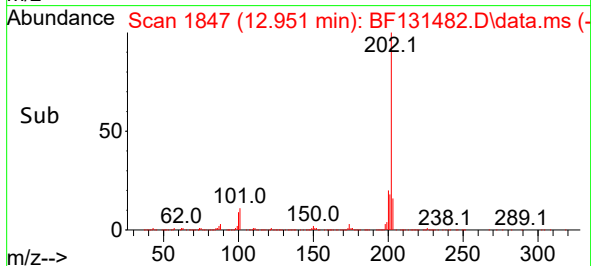
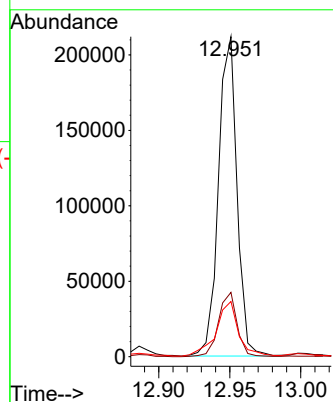
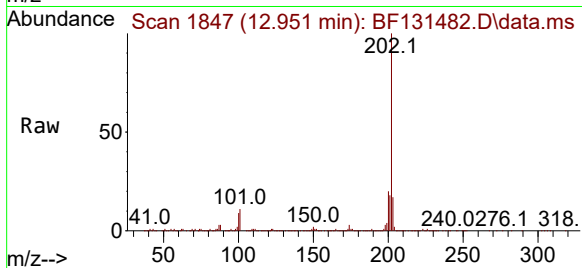
Tgt Ion:202 Resp: 192074

Ion Ratio Lower Upper

202 100

200 20.1 16.9 25.3

203 17.2 13.9 20.9



#79

Terphenyl-d14

Concen: 54.487 ng

RT: 13.092 min Scan# 1871

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

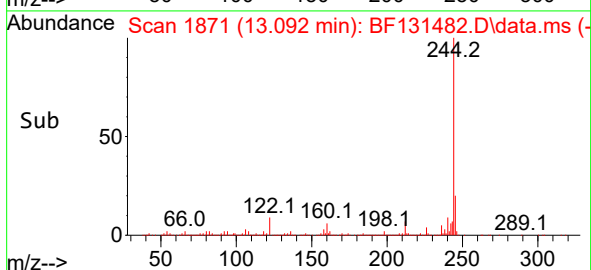
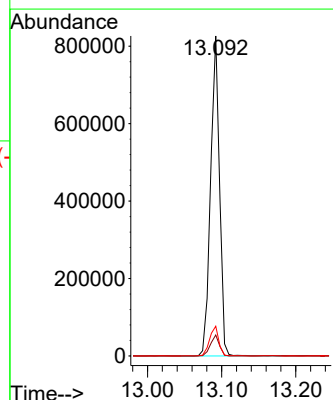
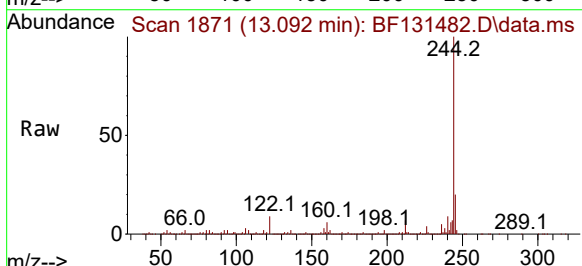
Tgt Ion:244 Resp: 693648

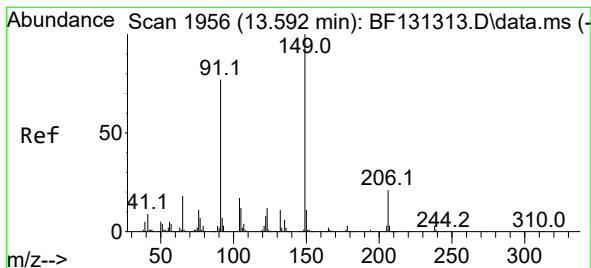
Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 9.3 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.344 ng

RT: 13.563 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

Tgt Ion:149 Resp: 1355

Ion Ratio Lower Upper

149 100

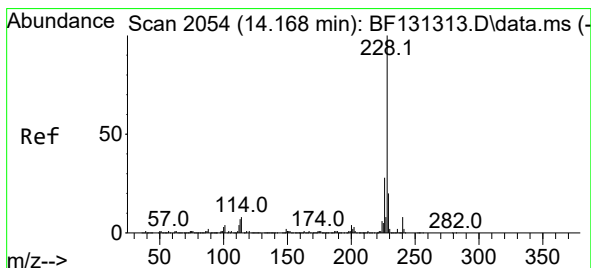
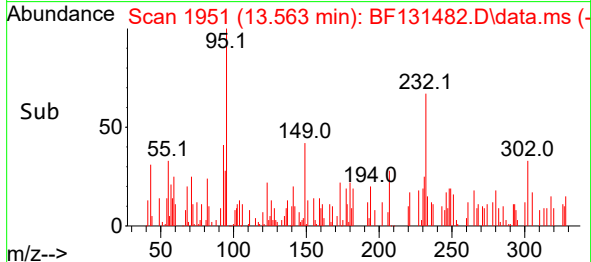
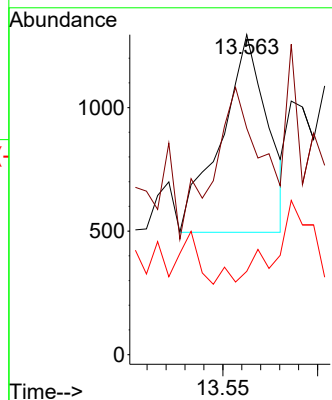
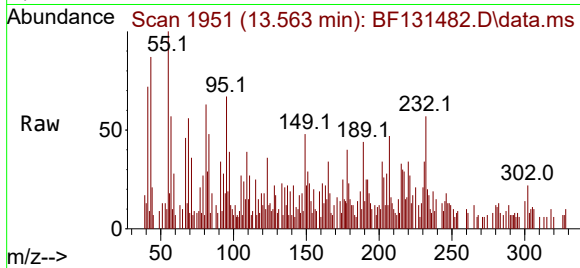
91 70.7

206 26.0

61.9

92.9

24.7#



#81

Benzo(a)anthracene

Concen: 7.625 ng

RT: 14.180 min Scan# 2056

Delta R.T. 0.035 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Tgt Ion:228 Resp: 108806

Ion Ratio Lower Upper

228 100

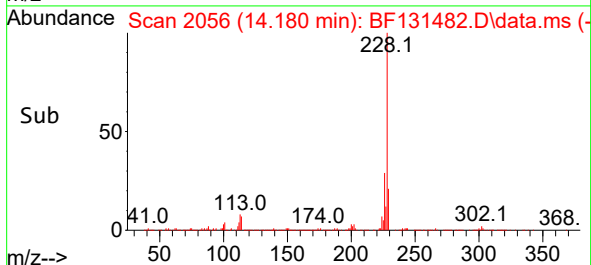
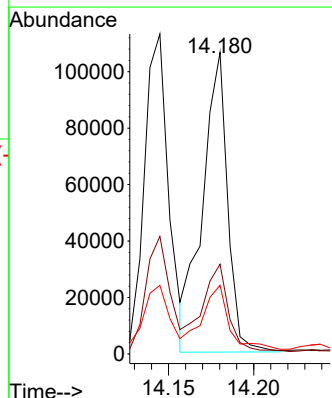
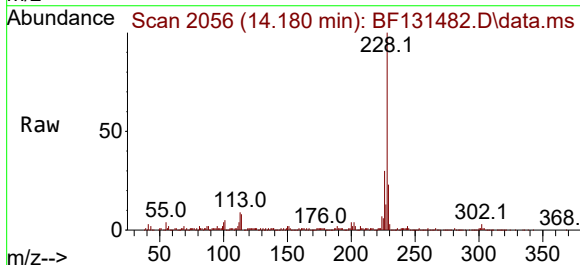
226 29.8

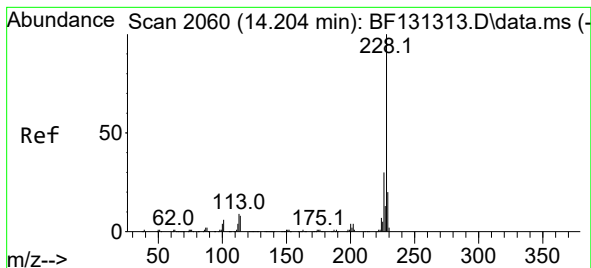
229 22.7

22.0

33.0

23.5





#83

Chrysene

Concen: 7.772 ng

RT: 14.180 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

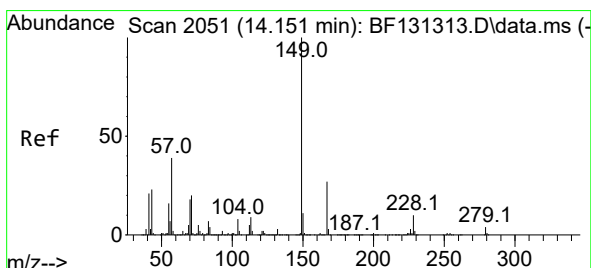
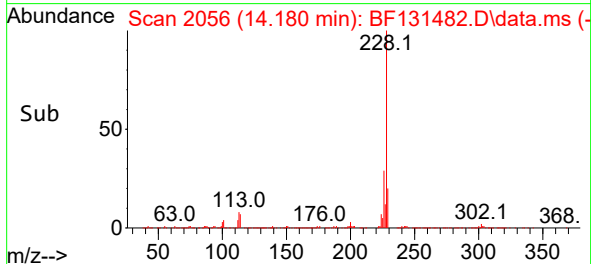
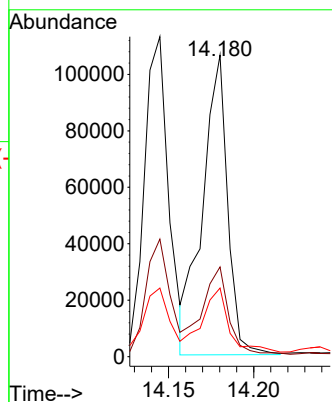
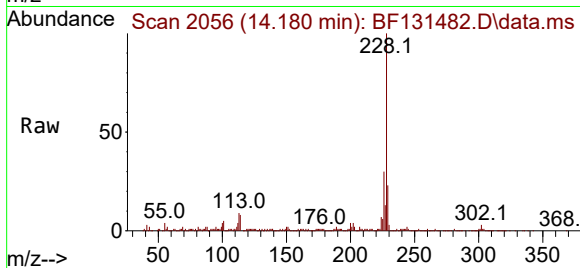
Tgt Ion:228 Resp: 108806

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 22.7 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.888 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.000 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

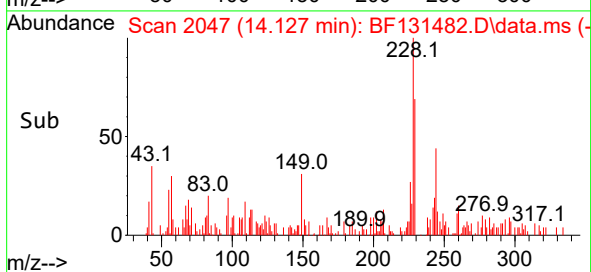
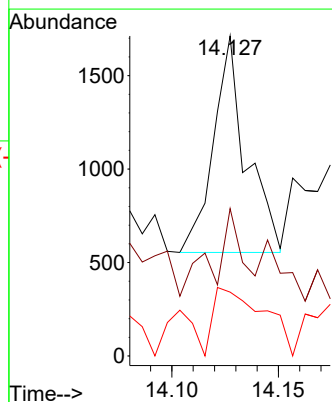
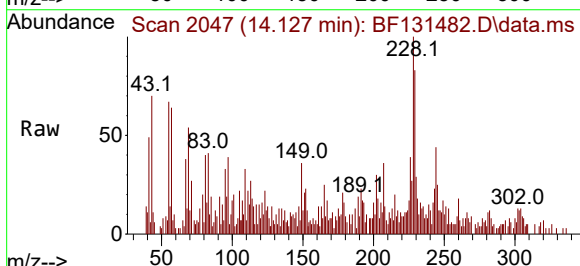
Tgt Ion:149 Resp: 1235

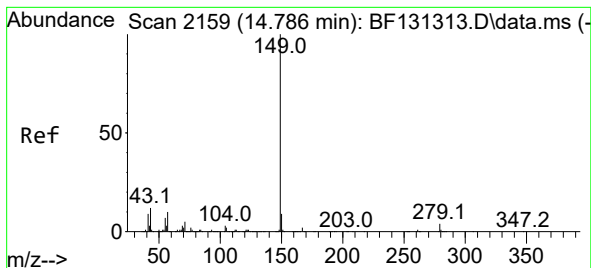
Ion Ratio Lower Upper

149 100

167 46.1 21.9 32.9#

279 20.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 4.125 ng

RT: 14.751 min Scan# 2153

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

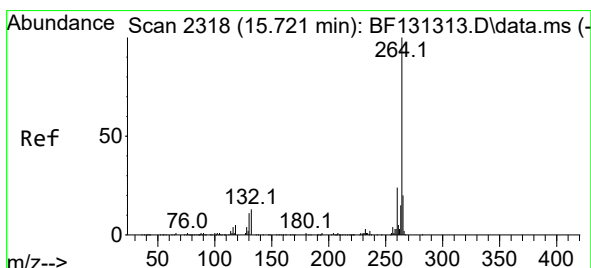
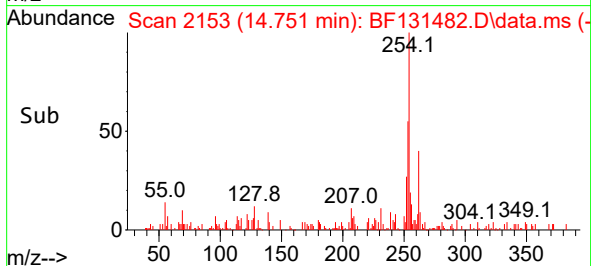
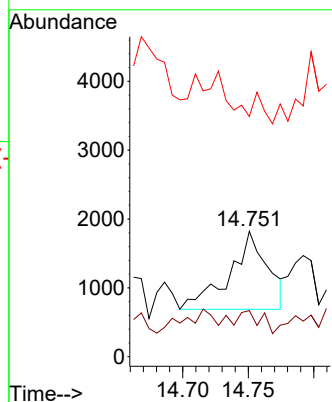
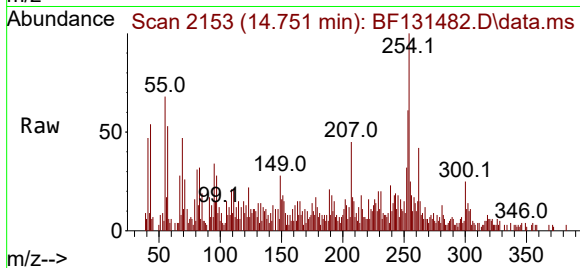
Tgt Ion:149 Resp: 2277

Ion Ratio Lower Upper

149 100

167 16.5 1.2 1.8#

43 0.0 10.7 16.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.692 min Scan# 2313

Delta R.T. -0.000 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

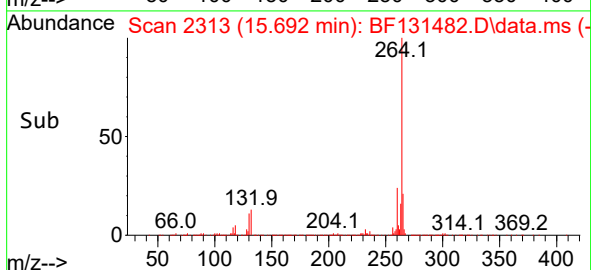
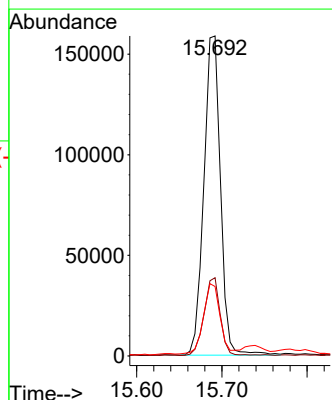
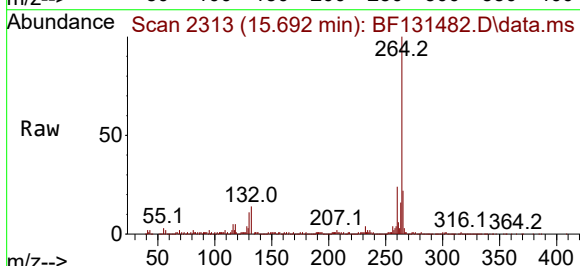
Tgt Ion:264 Resp: 215662

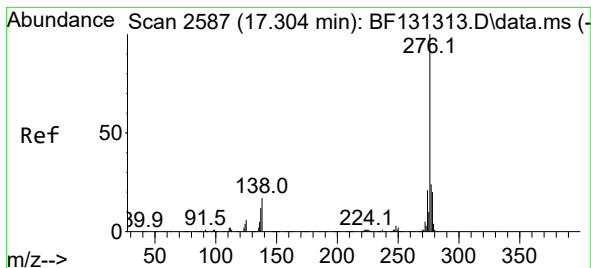
Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

265 21.7 16.4 24.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.801 ng

RT: 17.251 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16

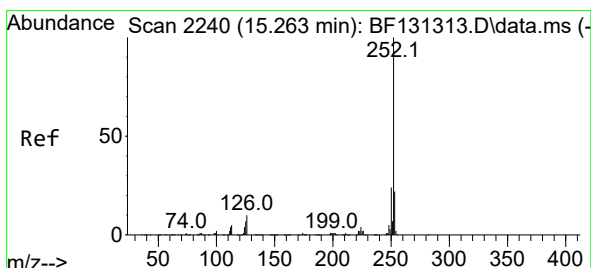
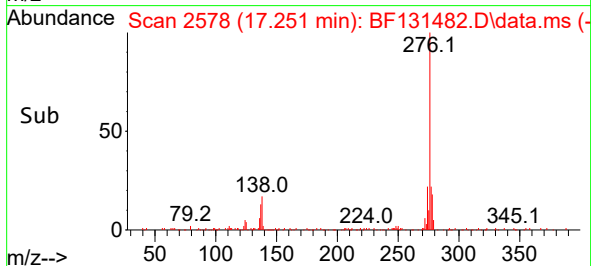
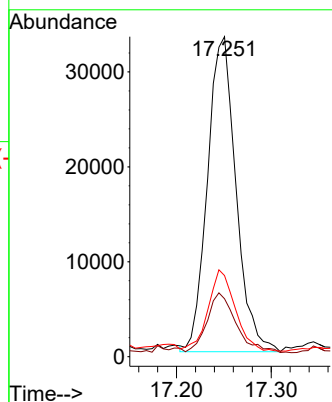
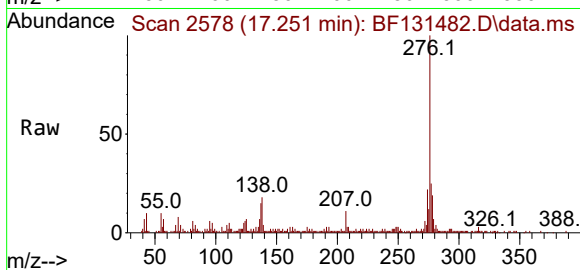
Tgt Ion:276 Resp: 69548

Ion Ratio Lower Upper

276 100

138 19.6 15.8 23.6

277 24.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 15.127 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.006 min

Lab File: BF131482.D

Acq: 30 Nov 2022 21:06

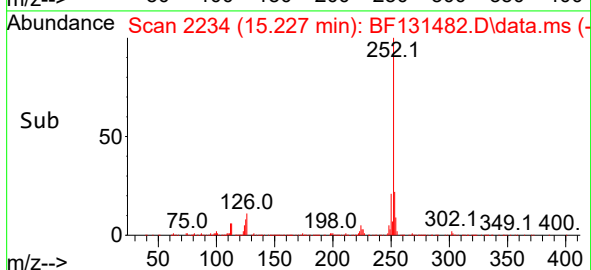
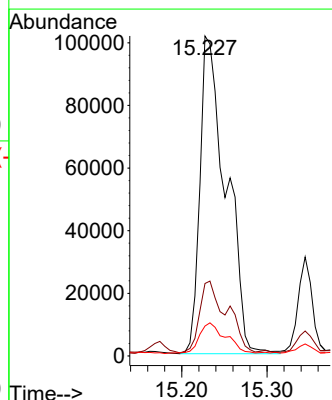
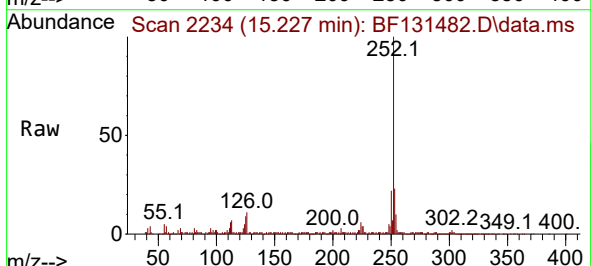
Tgt Ion:252 Resp: 216725

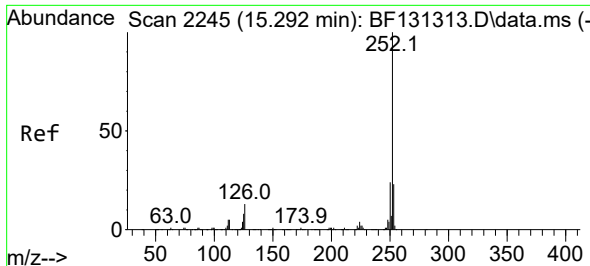
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.3 5.8 8.6#

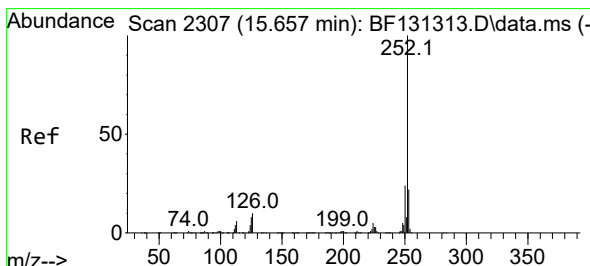
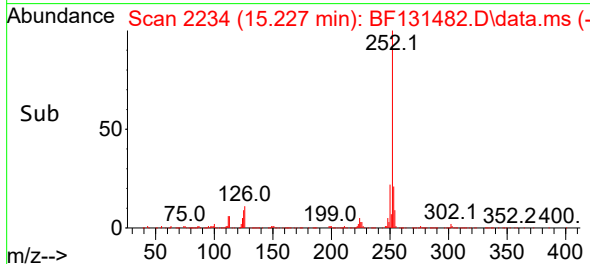
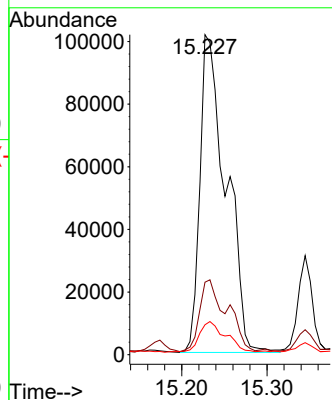
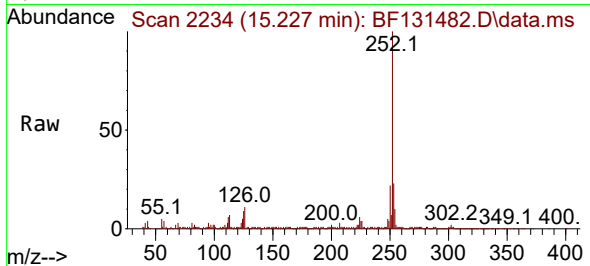




#89  
Benzo(k)fluoranthene  
Concen: 14.720 ng  
RT: 15.227 min Scan# 21  
Delta R.T. -0.041 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

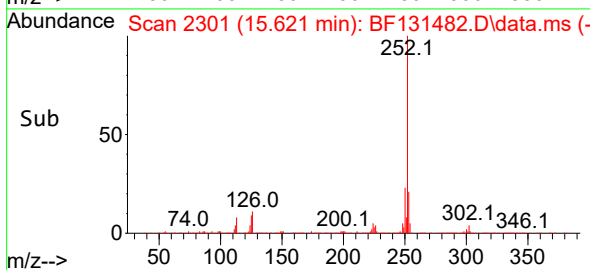
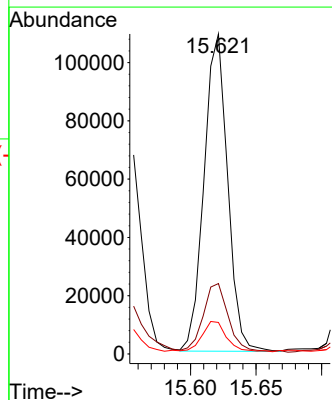
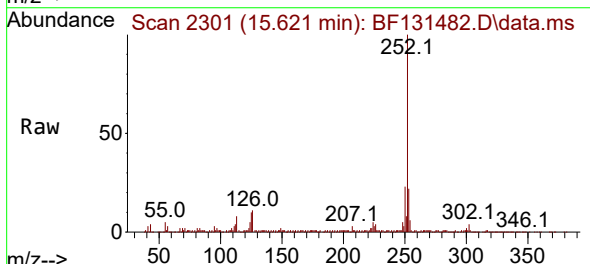
Instrument :  
BNA\_F  
ClientSampleId :  
MH-16

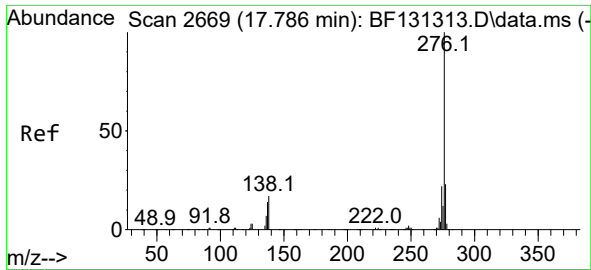
Tgt Ion:252 Resp: 216725  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.9 26.9  
125 9.3 6.6 10.0



#90  
Benzo(a)pyrene  
Concen: 11.589 ng  
RT: 15.621 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: BF131482.D  
Acq: 30 Nov 2022 21:06

Tgt Ion:252 Resp: 136239  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 9.8 6.1 9.1#





#92

Benzo(g,h,i)perylene

Concen: 6.074 ng

RT: 17.721 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF131482.D

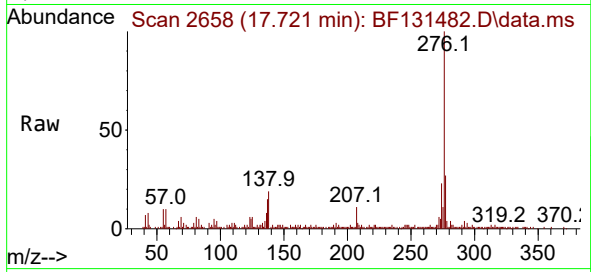
Acq: 30 Nov 2022 21:06

Instrument :

BNA\_F

ClientSampleId :

MH-16



Tgt Ion:276 Resp: 72499

Ion Ratio Lower Upper

276 100

277 26.8 18.3 27.5

138 19.2 13.8 20.6

