

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP031723\  
 Data File : BP014134.D  
 Acq On : 17 Mar 2023 22:47  
 Operator : CG/JU  
 Sample : 01936-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 OR-03-03152023

Quant Time: Mar 18 00:29:03 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP030623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 18 00:19:43 2023  
 Response via : Initial Calibration

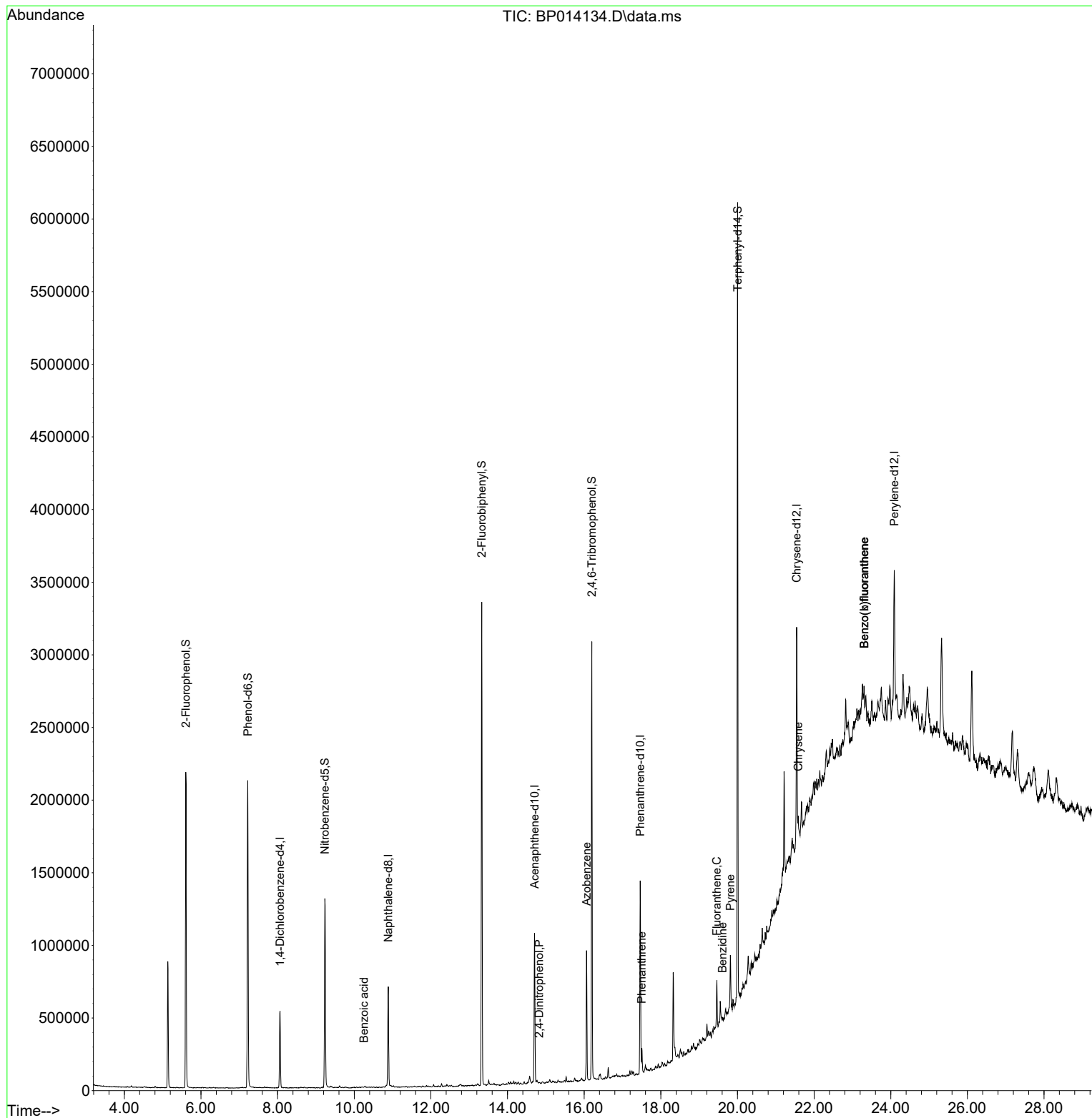
| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 8.063  | 152  | 140235   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.887 | 136  | 539735   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.704 | 164  | 343966   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.463 | 188  | 761609   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.545 | 240  | 716921   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 24.092 | 264  | 851449   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.605  | 112  | 897332   | 103.772 | ng    | 0.00     |
| 7) Phenol-d6                | 7.222  | 99   | 1173482  | 103.362 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.234  | 82   | 777983   | 65.881  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.198 | 330  | 575796   | 103.247 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.328 | 172  | 1635330  | 61.596  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.004 | 244  | 2538991  | 58.398  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| Target Compounds            |        |      |          |         |       | Qvalue   |
| 32) Benzoic acid            | 10.257 | 122  | 115      | 2.717   | ng    | # 1      |
| 54) 2,4-Dinitrophenol       | 14.828 | 184  | 100      | 3.100   | ng    | # 4      |
| 63) Azobenzene              | 16.063 | 77   | 254422   | 9.814   | ng    | # 1      |
| 71) Phenanthrene            | 17.504 | 178  | 95178    | 2.237   | ng    | 98       |
| 75) Fluoranthene            | 19.463 | 202  | 182766   | 3.594   | ng    | 97       |
| 77) Benzidine               | 19.610 | 184  | 767      | 2.879   | ng    | # 1      |
| 78) Pyrene                  | 19.816 | 202  | 182984   | 3.325   | ng    | 98       |
| 83) Chrysene                | 21.586 | 228  | 104791   | 2.104   | ng    | # 82     |
| 88) Benzo(b)fluoranthene    | 23.310 | 252  | 119961   | 2.152   | ng    | # 46     |
| 89) Benzo(k)fluoranthene    | 23.310 | 252  | 119961   | 2.170   | ng    | # 45     |
| -----                       |        |      |          |         |       |          |

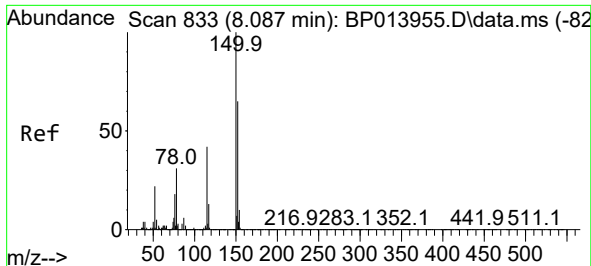
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Mar 18 00:19:43 2023  
Response via : Initial Calibration

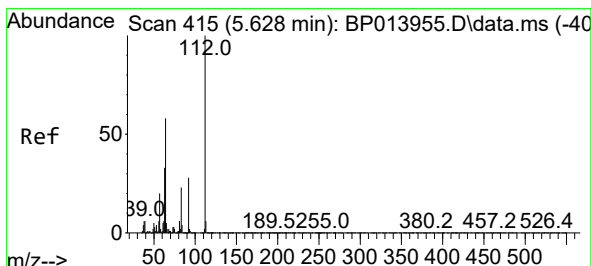
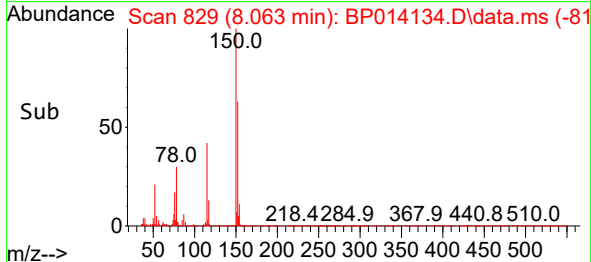
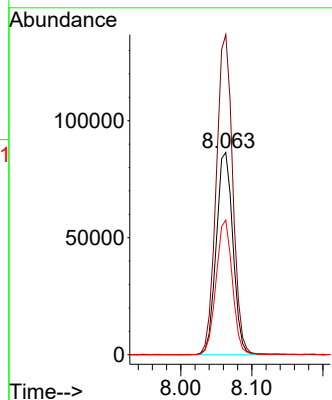
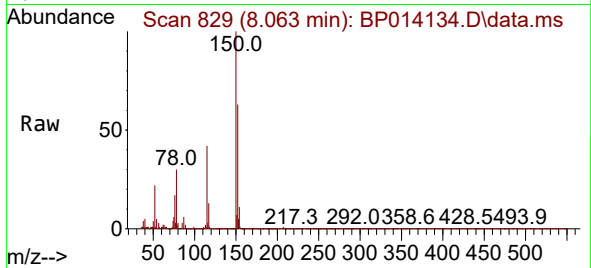




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.063 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

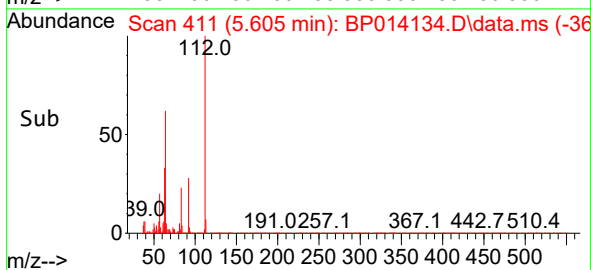
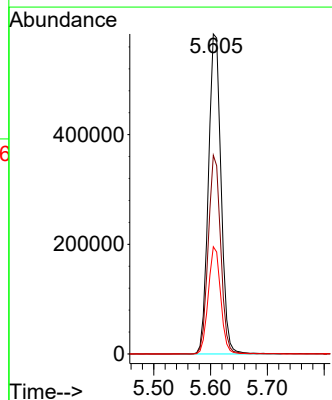
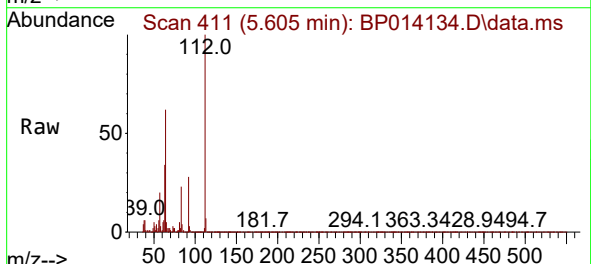
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-03152023

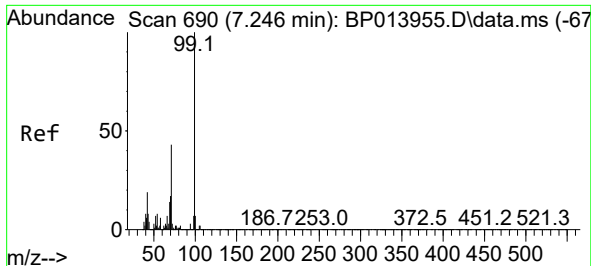
Tgt Ion:152 Resp: 140235  
Ion Ratio Lower Upper  
152 100  
150 158.3 122.3 183.5  
115 66.5 51.6 77.4



#5  
2-Fluorophenol  
Concen: 103.772 ng  
RT: 5.605 min Scan# 411  
Delta R.T. -0.000 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

Tgt Ion:112 Resp: 897332  
Ion Ratio Lower Upper  
112 100  
64 62.1 46.7 70.1  
63 33.5 26.6 40.0



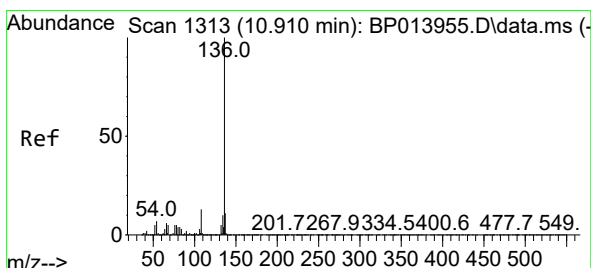
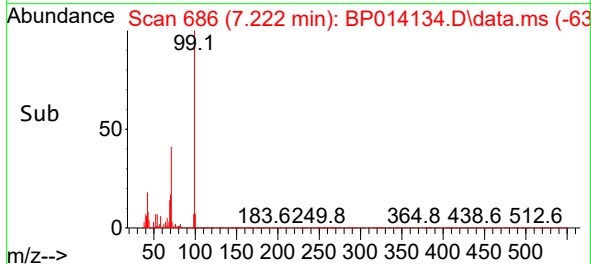
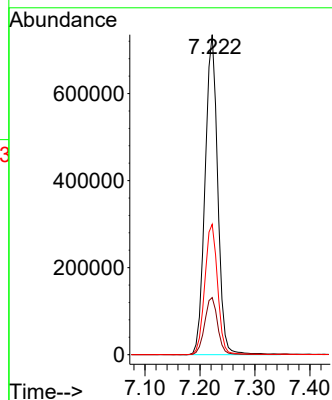
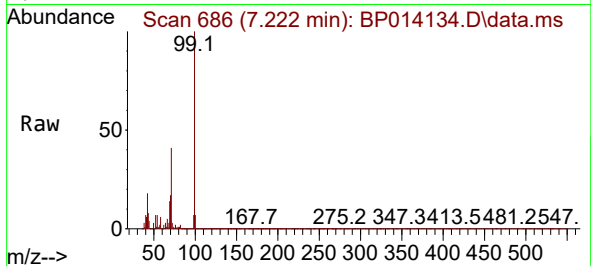


#7  
Phenol-d6  
Concen: 103.362 ng  
RT: 7.222 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-03152023

Tgt Ion: 99 Resp: 1173482

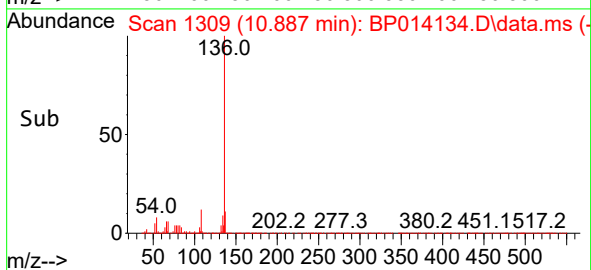
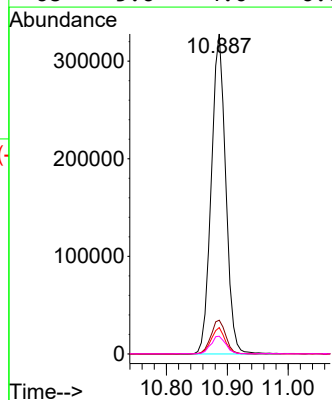
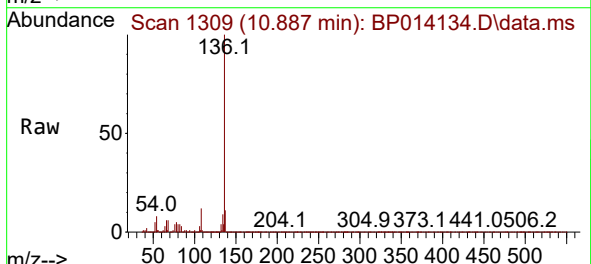
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 15.0  | 22.6  |
| 71  | 40.8  | 34.3  | 51.5  |

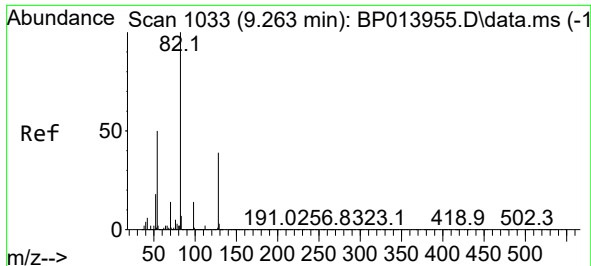


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.887 min Scan# 1309  
Delta R.T. -0.000 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

Tgt Ion: 136 Resp: 539735

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.7   | 13.1  |
| 54  | 8.2   | 5.8   | 8.8   |
| 68  | 5.6   | 4.0   | 6.0   |

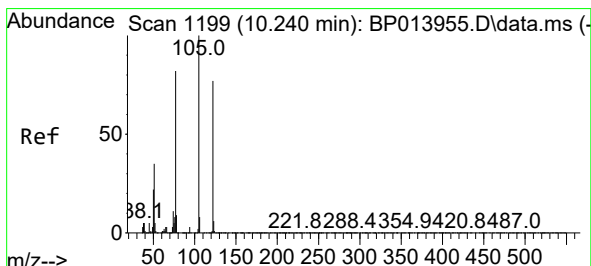
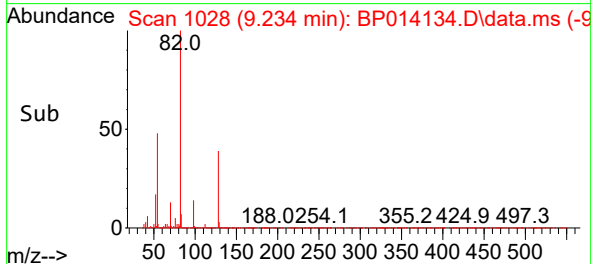
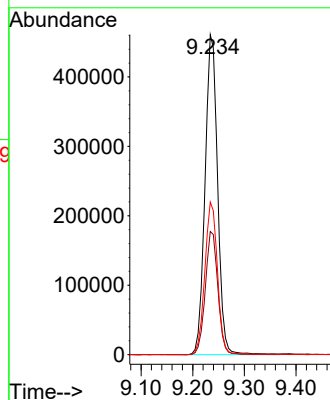
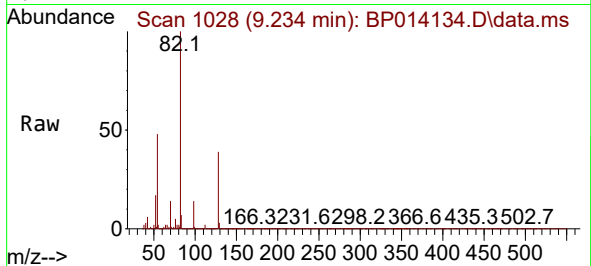




#23  
Nitrobenzene-d5  
Concen: 65.881 ng  
RT: 9.234 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

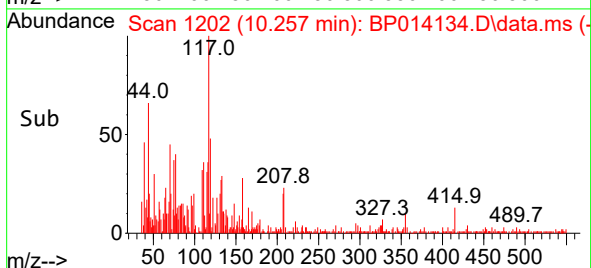
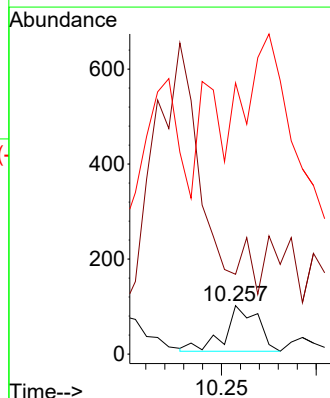
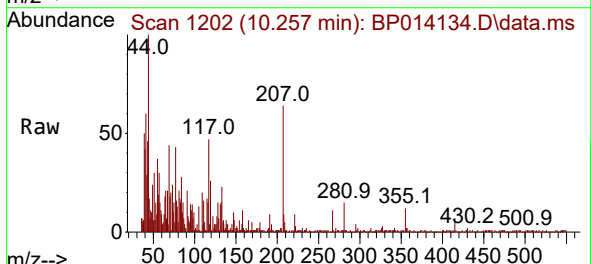
Instrument :  
BNA\_P  
ClientSampleId :  
OR-03-03152023

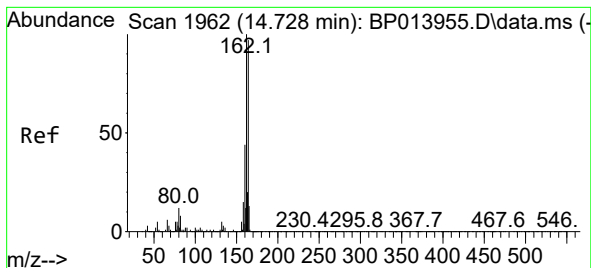
Tgt Ion: 82 Resp: 777983  
Ion Ratio Lower Upper  
82 100  
128 38.5 31.1 46.7  
54 47.7 40.0 60.0



#32  
Benzoic acid  
Concen: 2.717 ng  
RT: 10.257 min Scan# 1202  
Delta R.T. 0.029 min  
Lab File: BP014134.D  
Acq: 17 Mar 2023 22:47

Tgt Ion:122 Resp: 115  
Ion Ratio Lower Upper  
122 100  
105 164.7 108.2 148.2#  
77 559.8 85.2 125.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.704 min Scan# 1958

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

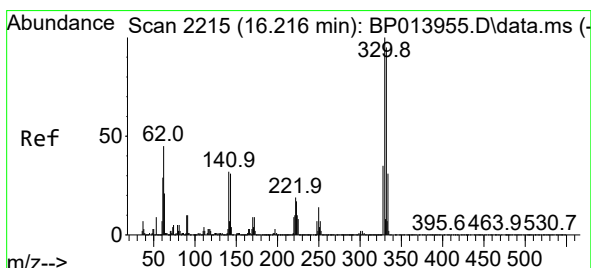
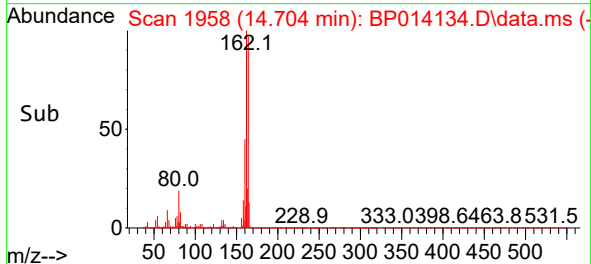
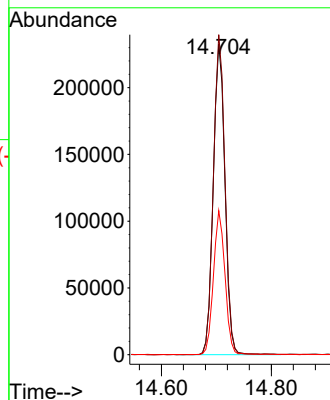
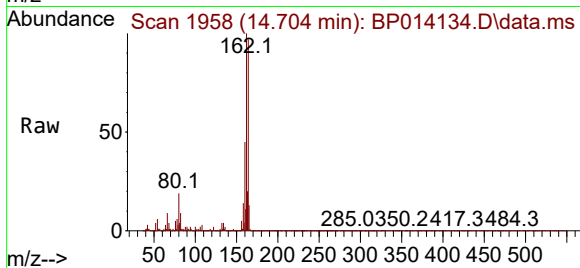
Tgt Ion:164 Resp: 343966

Ion Ratio Lower Upper

164 100

162 103.0 82.1 123.1

160 46.4 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 103.247 ng

RT: 16.198 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

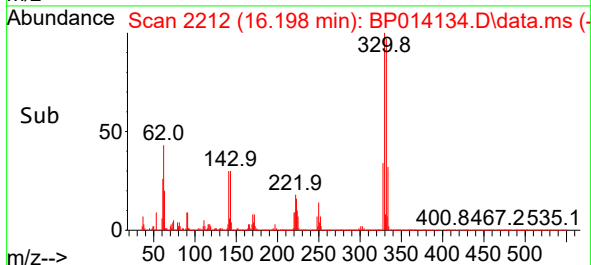
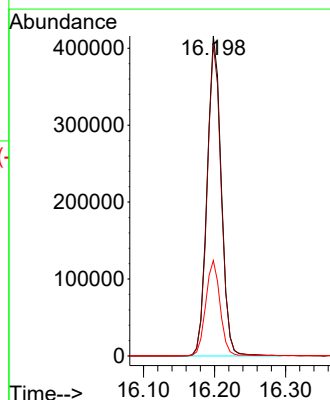
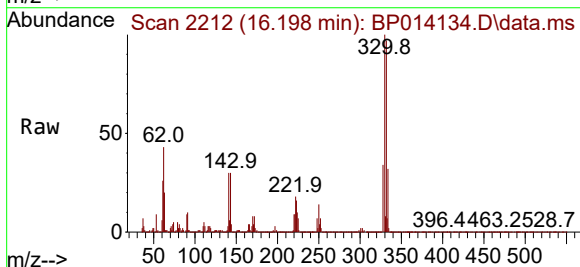
Tgt Ion:330 Resp: 575796

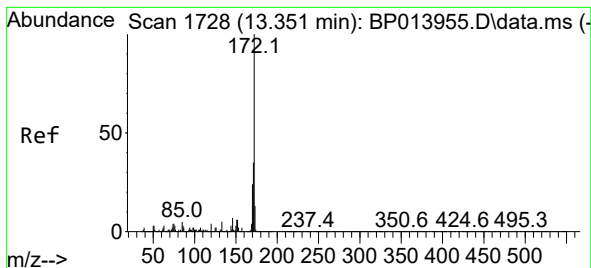
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 30.2 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 61.596 ng

RT: 13.328 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

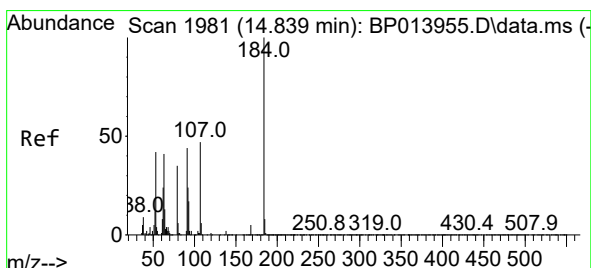
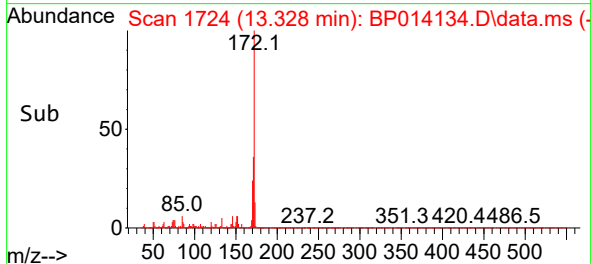
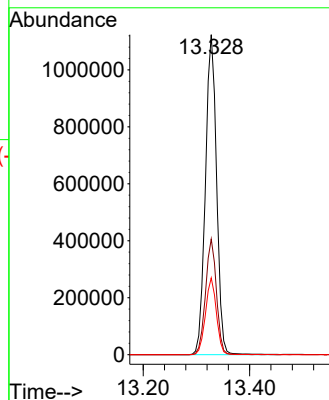
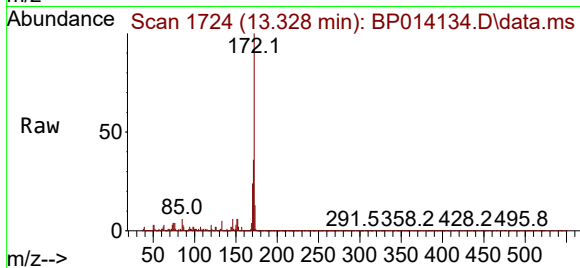
Tgt Ion:172 Resp: 1635330

Ion Ratio Lower Upper

172 100

171 36.2 28.3 42.5

170 24.0 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.100 ng

RT: 14.828 min Scan# 1979

Delta R.T. 0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

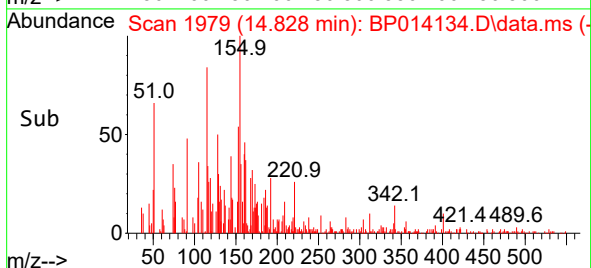
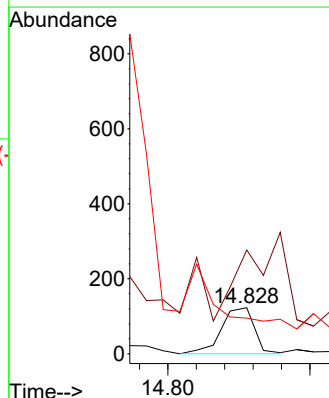
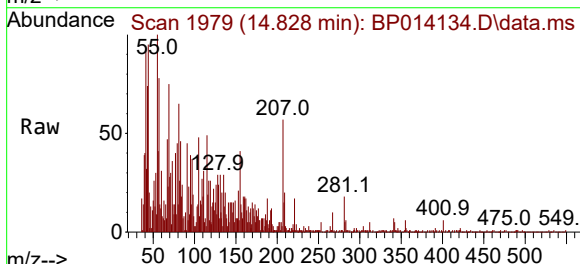
Tgt Ion:184 Resp: 100

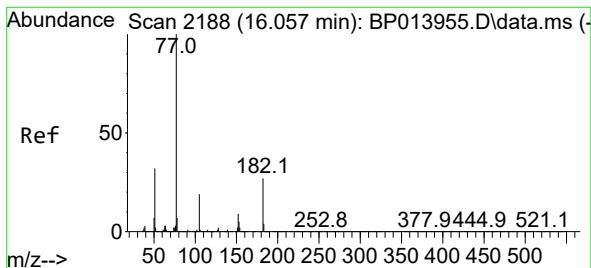
Ion Ratio Lower Upper

184 100

63 225.2 52.4 78.6#

154 77.2 59.4 89.2





#63

Azobenzene

Concen: 9.814 ng

RT: 16.063 min Scan# 2188

Delta R.T. 0.023 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

Tgt Ion: 77 Resp: 254422

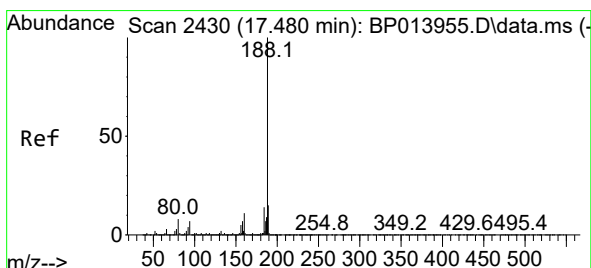
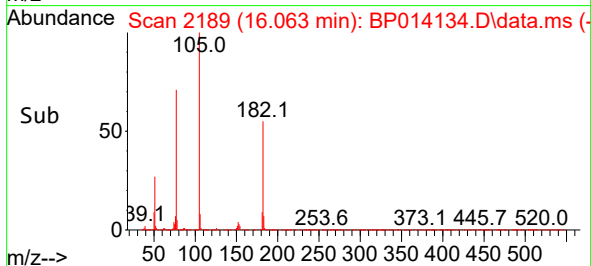
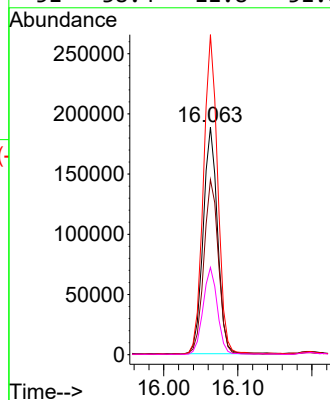
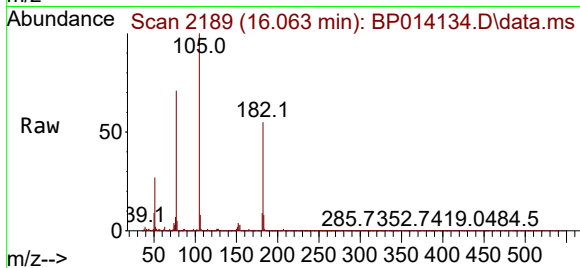
Ion Ratio Lower Upper

77 100

182 77.0 6.9 46.9#

105 140.7 0.0 39.4#

51 38.4 11.8 51.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

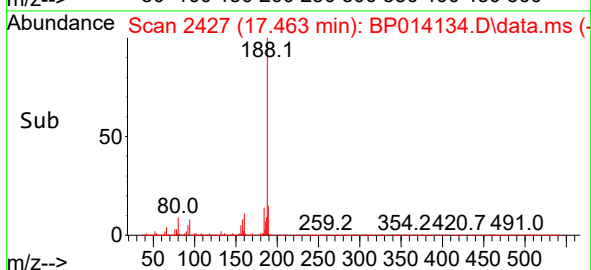
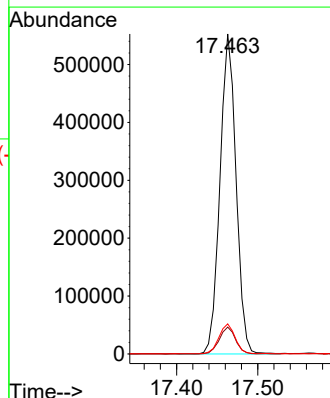
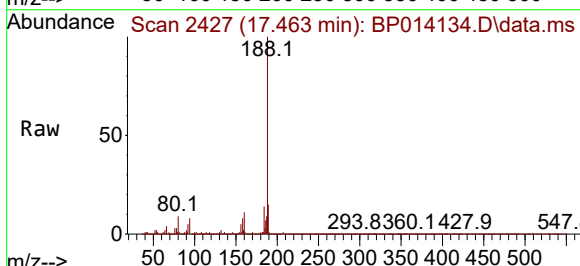
Tgt Ion: 188 Resp: 761609

Ion Ratio Lower Upper

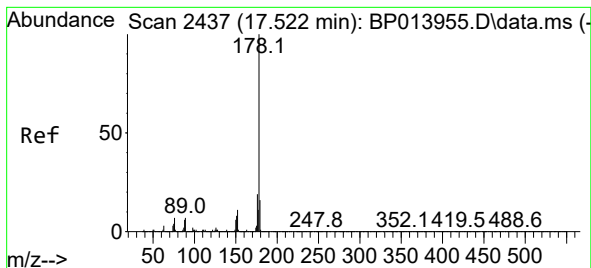
188 100

94 8.4 5.8 8.6

80 9.4 6.6 9.8







#71

Phenanthrene

Concen: 2.237 ng

RT: 17.504 min Scan# 2437

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

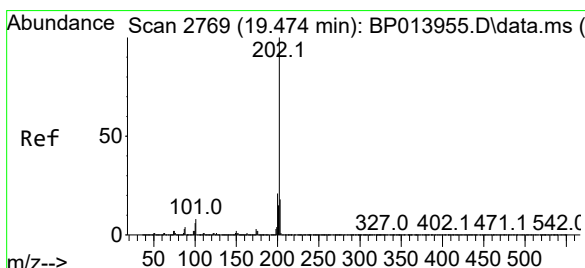
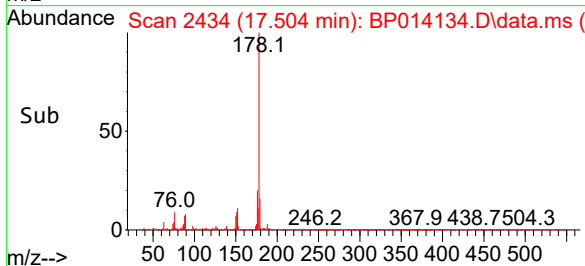
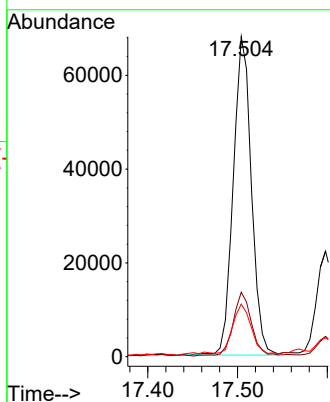
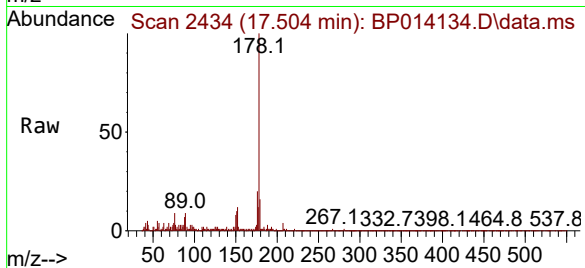
Tgt Ion:178 Resp: 95178

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.2

179 16.5 12.6 19.0



#75

Fluoranthene

Concen: 3.594 ng

RT: 19.463 min Scan# 2767

Delta R.T. -0.000 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

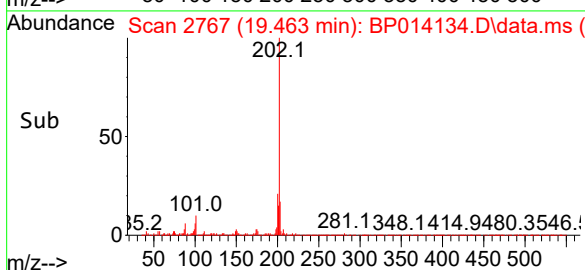
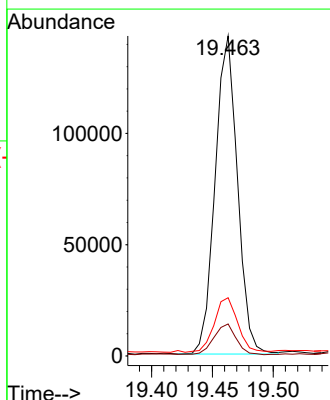
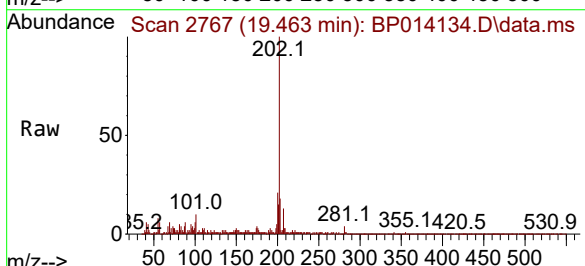
Tgt Ion:202 Resp: 182766

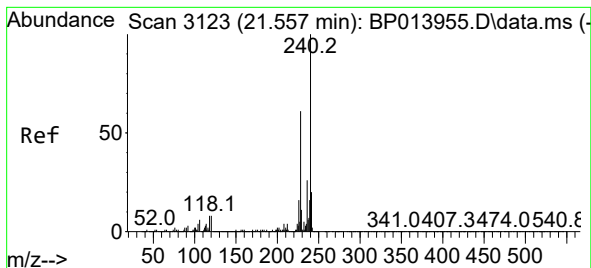
Ion Ratio Lower Upper

202 100

101 10.0 0.0 27.9

203 18.2 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.545 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

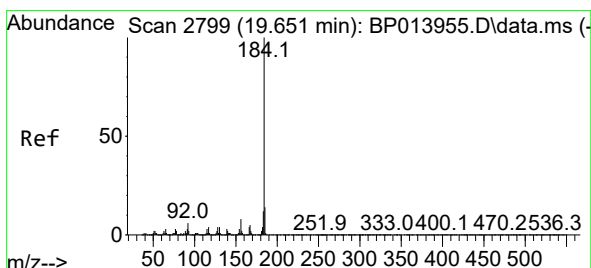
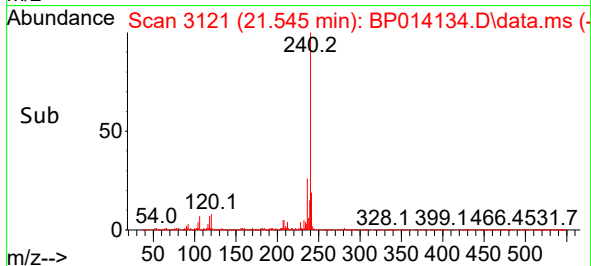
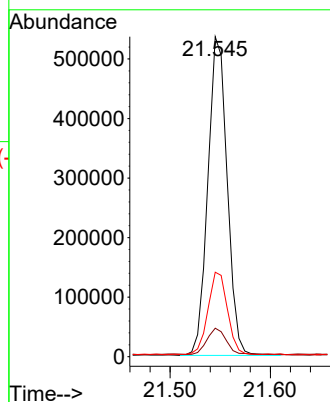
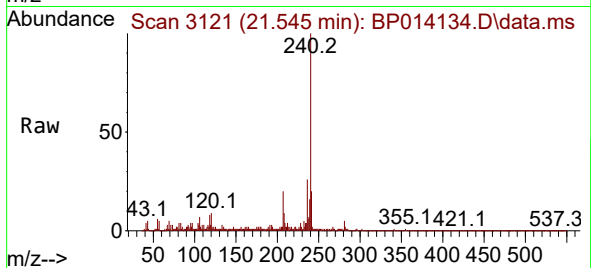
Tgt Ion:240 Resp: 716921

Ion Ratio Lower Upper

240 100

120 8.9 6.4 9.6

236 26.4 21.2 31.8



#77

Benzidine

Concen: 2.879 ng

RT: 19.610 min Scan# 2792

Delta R.T. -0.035 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

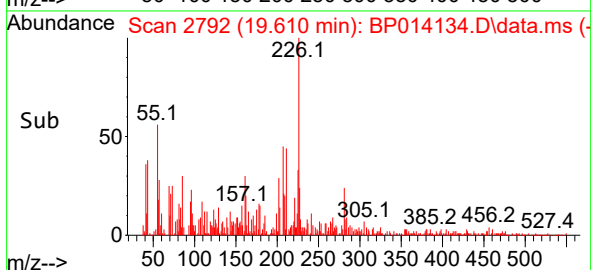
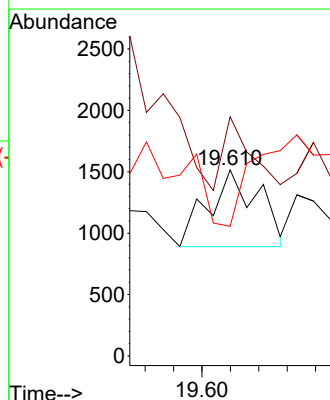
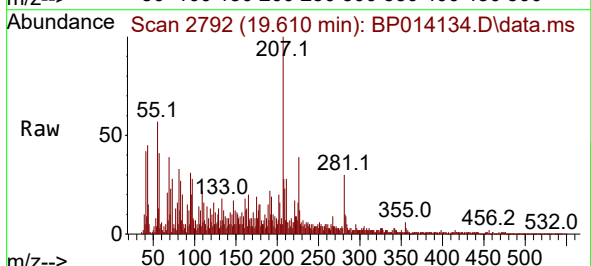
Tgt Ion:184 Resp: 767

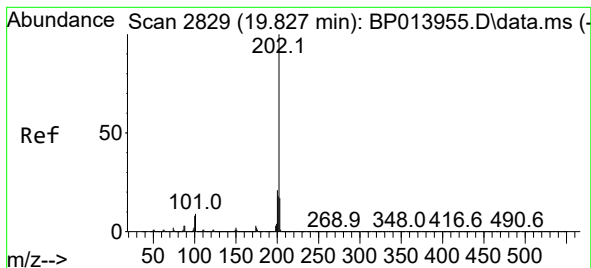
Ion Ratio Lower Upper

184 100

185 128.6 11.6 17.4#

183 69.7 9.7 14.5#





#78

Pyrene

Concen: 3.325 ng

RT: 19.816 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

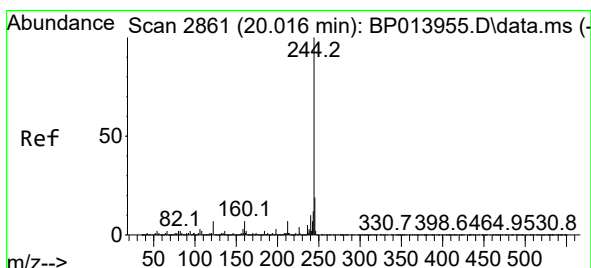
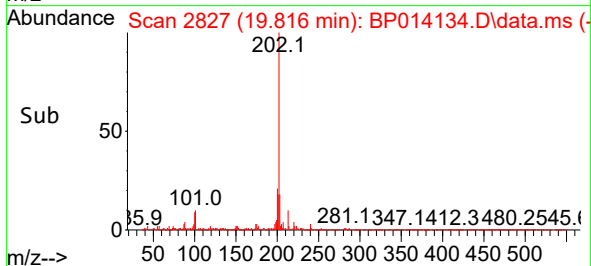
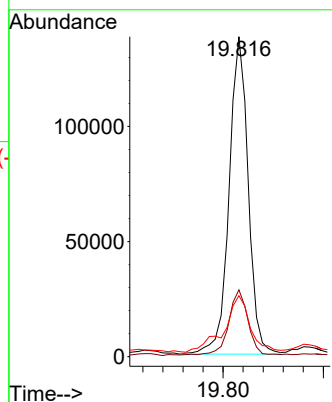
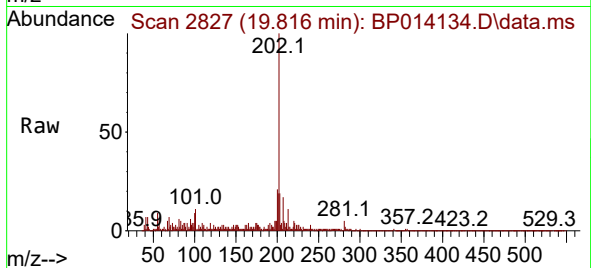
Tgt Ion:202 Resp: 182984

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 19.0 13.9 20.9



#79

Terphenyl-d14

Concen: 58.398 ng

RT: 20.004 min Scan# 2859

Delta R.T. -0.000 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

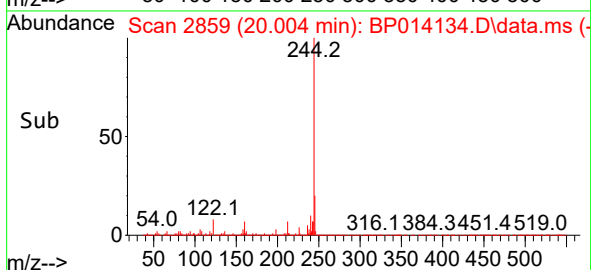
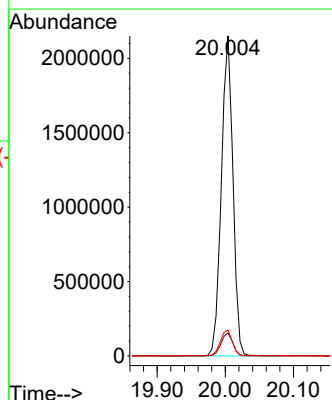
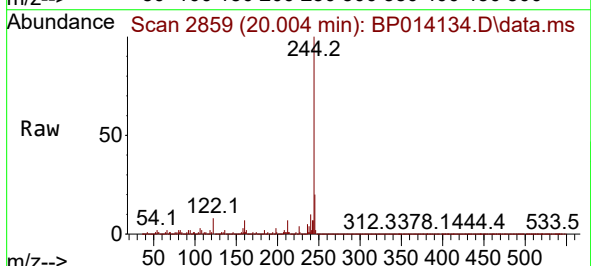
Tgt Ion:244 Resp: 2538991

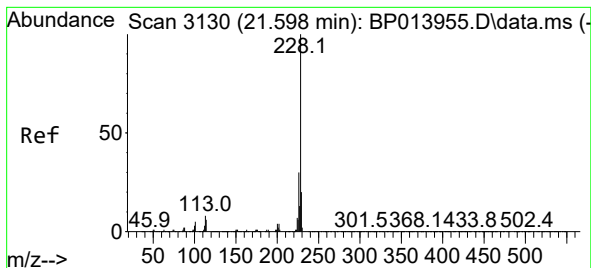
Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.1 5.8 8.6





#83

Chrysene

Concen: 2.104 ng

RT: 21.586 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

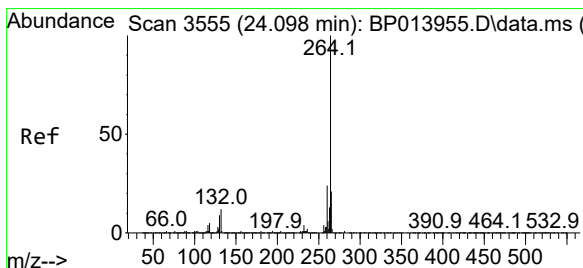
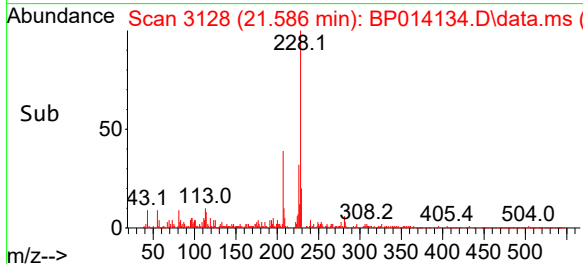
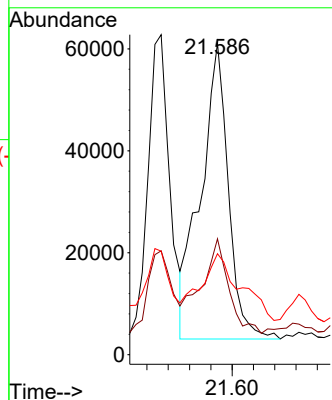
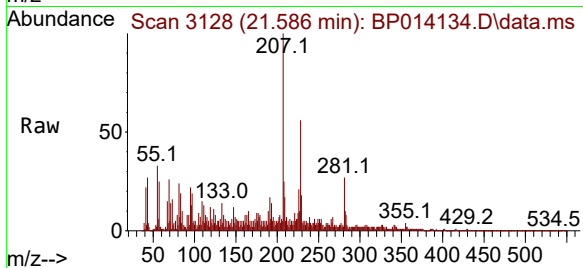
Tgt Ion:228 Resp: 104791

Ion Ratio Lower Upper

228 100

226 37.2 24.2 36.4#

229 32.4 15.8 23.8#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.092 min Scan# 3554

Delta R.T. 0.006 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

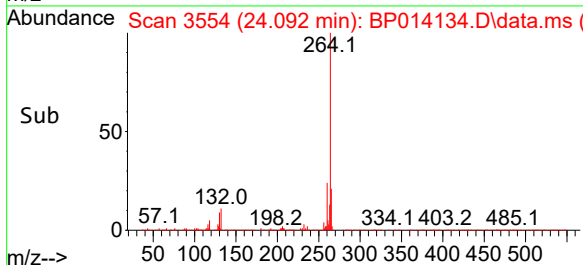
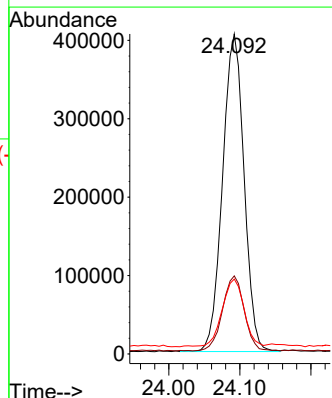
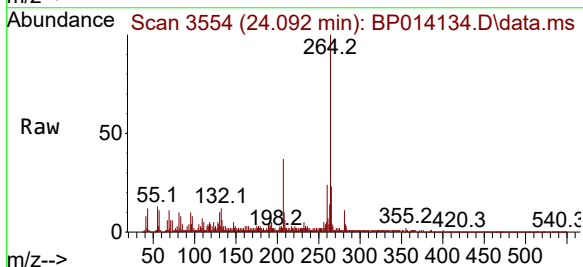
Tgt Ion:264 Resp: 851449

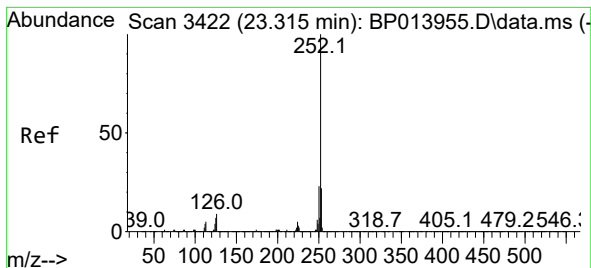
Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 23.4 17.8 26.8





#88

Benzo(b)fluoranthene

Concen: 2.152 ng

RT: 23.310 min Scan# 3422

Delta R.T. -0.000 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Instrument :

BNA\_P

ClientSampleId :

OR-03-03152023

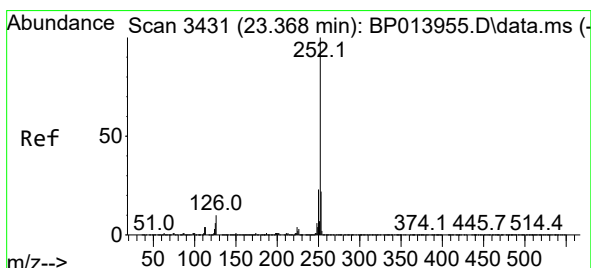
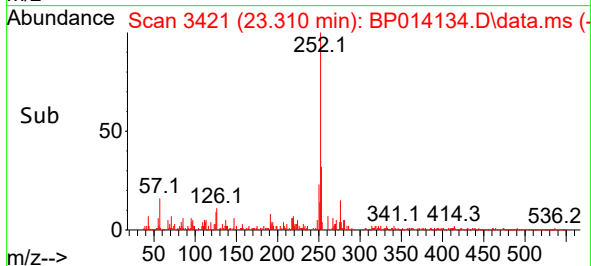
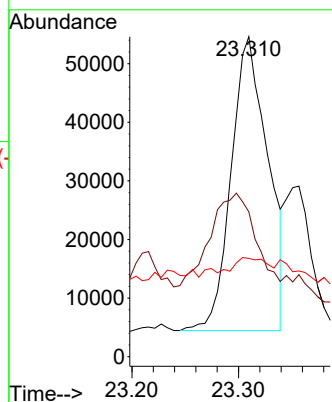
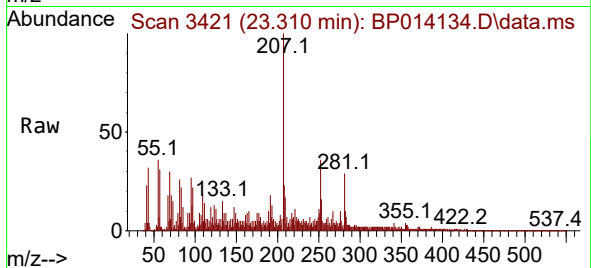
Tgt Ion:252 Resp: 119961

Ion Ratio Lower Upper

252 100

253 45.3 17.5 26.3#

125 30.7 5.6 8.4#



#89

Benzo(k)fluoranthene

Concen: 2.170 ng

RT: 23.310 min Scan# 3421

Delta R.T. -0.053 min

Lab File: BP014134.D

Acq: 17 Mar 2023 22:47

Tgt Ion:252 Resp: 119961

Ion Ratio Lower Upper

252 100

253 45.3 17.4 26.0#

125 30.7 5.4 8.0#

