

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061924\  
 Data File : BF138254.D  
 Acq On : 19 Jun 2024 19:28  
 Operator : CG\JU  
 Sample : P2955-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1

Quant Time: Jun 20 01:11:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 13 01:52:47 2024  
 Response via : Initial Calibration

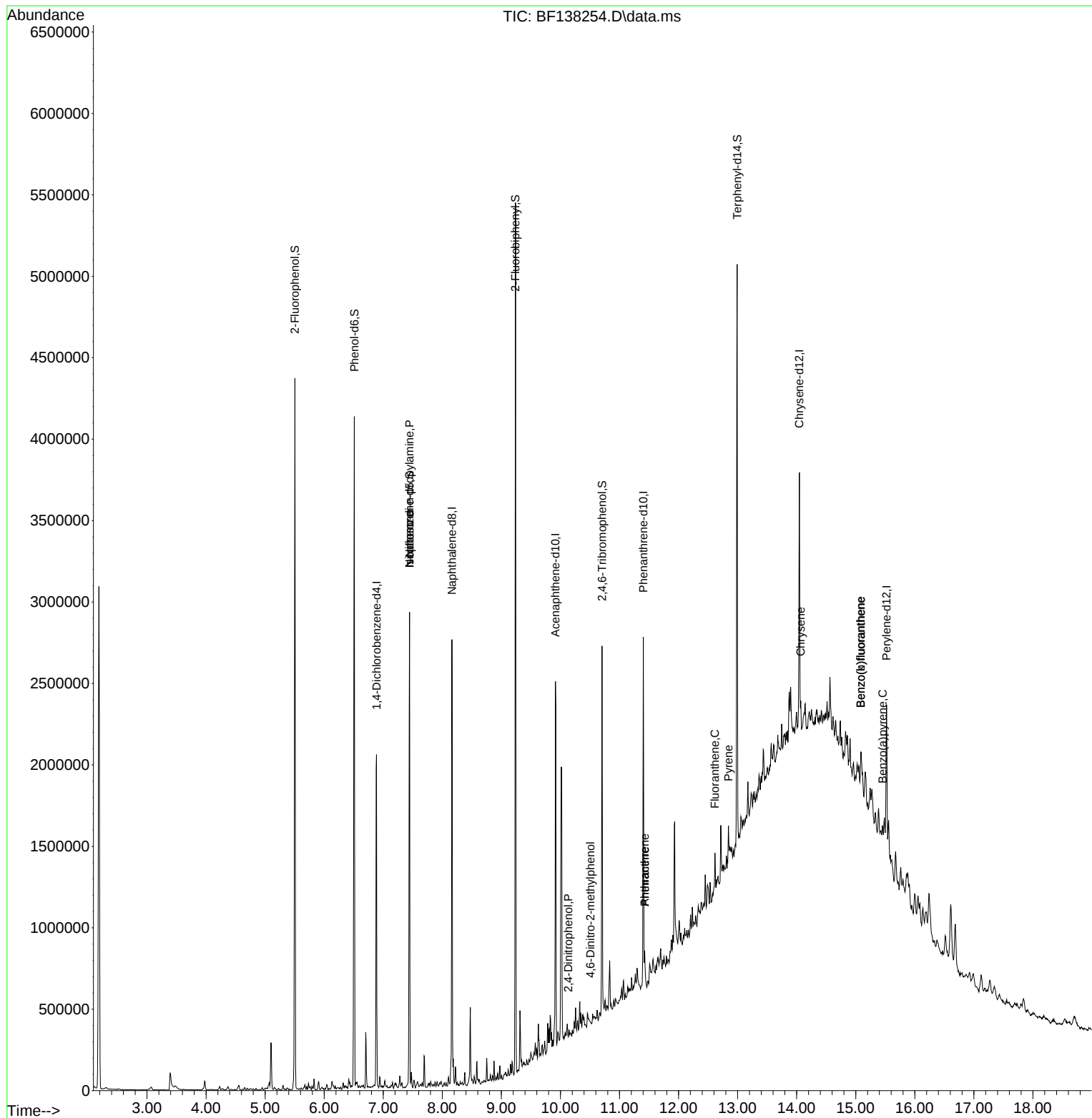
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 307721   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 1098631  | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 469737   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.404 | 188  | 682276   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.045 | 240  | 487344   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 427697   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1180949  | 64.199 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1405062  | 60.236 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 868318   | 46.012 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 263833   | 56.419 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1457534  | 49.340 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.992 | 244  | 1244263  | 40.438 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 113830   | 8.233  | ng    | # 77     |
| 25) Isophorone                | 7.445  | 82   | 867540   | 25.415 | ng    | # 62     |
| 54) 2,4-Dinitrophenol         | 10.133 | 184  | 131      | 4.261  | ng    | # 1      |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 58       | 6.949  | ng    | # 1      |
| 71) Phenanthrene              | 11.427 | 178  | 67842    | 2.011  | ng    | 96       |
| 72) Anthracene                | 11.427 | 178  | 67842    | 2.025  | ng    | 97       |
| 75) Fluoranthene              | 12.616 | 202  | 84044    | 2.443  | ng    | 95       |
| 78) Pyrene                    | 12.845 | 202  | 95184    | 2.264  | ng    | 95       |
| 83) Chrysene                  | 14.068 | 228  | 67080    | 2.251  | ng    | # 84     |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 110077   | 4.364  | ng    | # 65     |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 110077   | 4.453  | ng    | # 65     |
| 90) Benzo(a)pyrene            | 15.457 | 252  | 46312    | 2.137  | ng    | # 59     |
| -----                         |        |      |          |        |       |          |

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

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Sample : P2955-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Quant Time: Jun 20 01:11:15 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061224.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jun 13 01:52:47 2024  
Response via : Initial Calibration

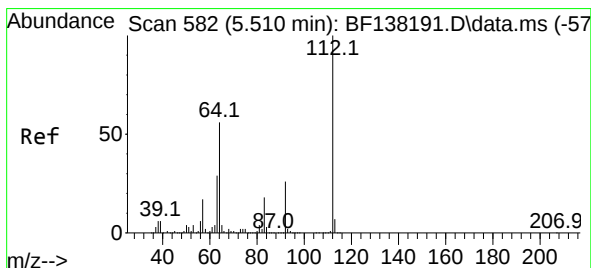
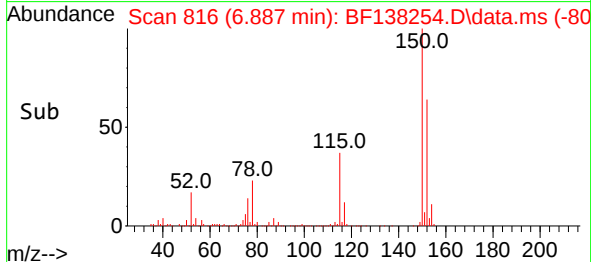
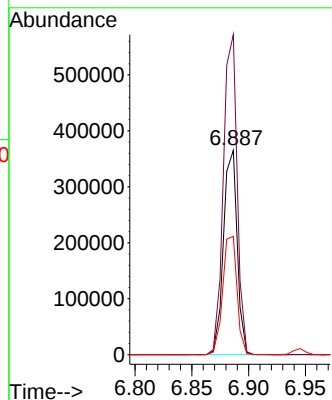
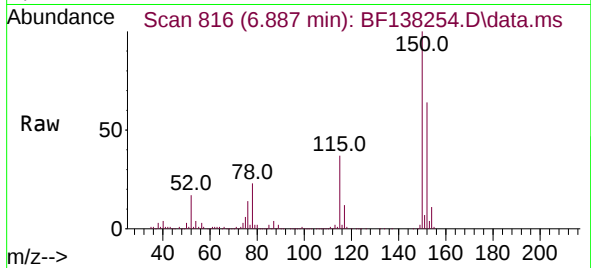




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 817  
Delta R.T. -0.006 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

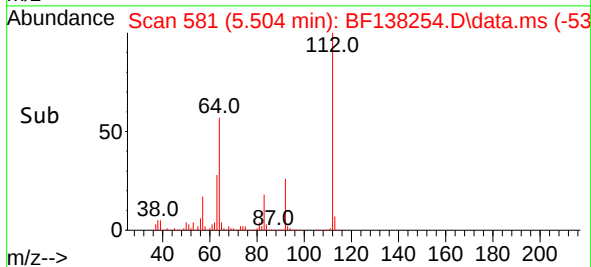
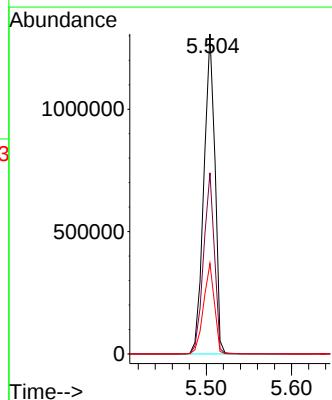
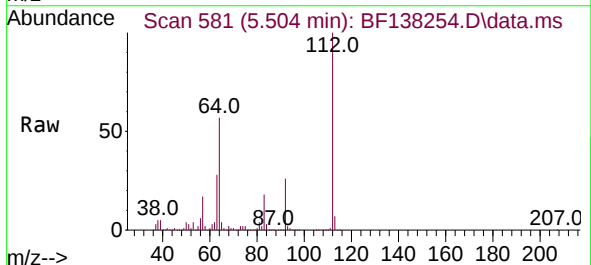
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion:152 Resp: 307721  
Ion Ratio Lower Upper  
152 100  
150 156.6 125.0 187.4  
115 57.9 48.4 72.6



#5  
2-Fluorophenol  
Concen: 64.199 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.006 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Tgt Ion:112 Resp: 1180949  
Ion Ratio Lower Upper  
112 100  
64 56.6 45.2 67.8  
63 28.3 22.9 34.3



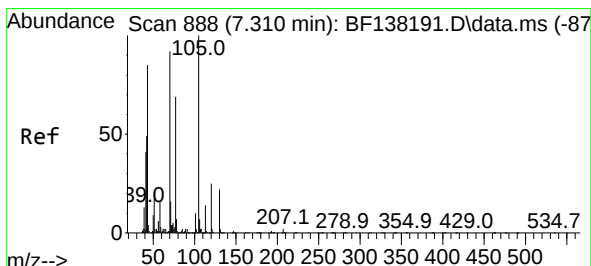
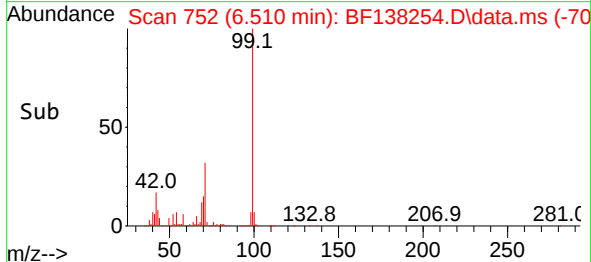
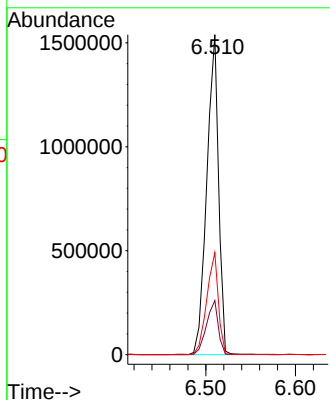
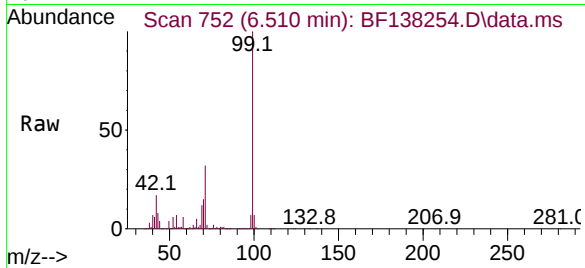


#7  
Phenol-d6  
Concen: 60.236 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.012 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion: 99 Resp: 1405062

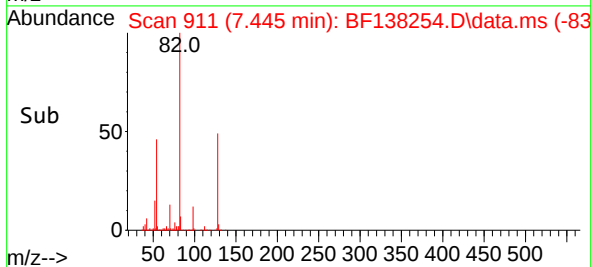
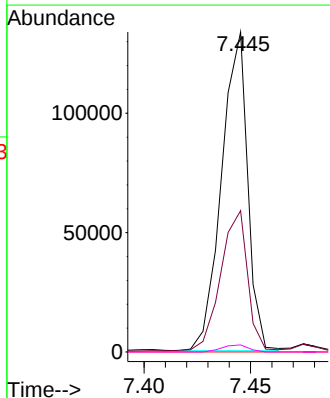
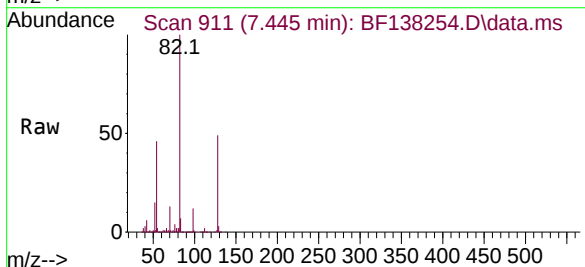
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.9  | 13.7  | 20.5  |
| 71  | 31.9  | 25.0  | 37.6  |

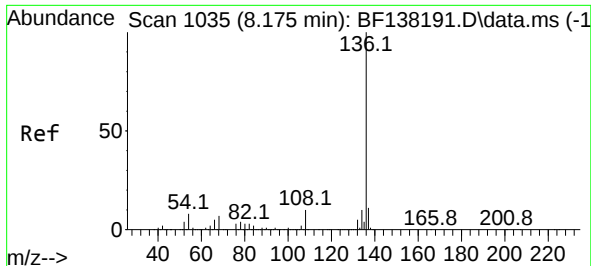


#19  
n-Nitroso-di-n-propylamine  
Concen: 8.233 ng  
RT: 7.445 min Scan# 911  
Delta R.T. 0.135 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Tgt Ion: 70 Resp: 113830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 44.1  | 42.8  | 64.2  |
| 101 | 0.0   | 8.4   | 12.6# |
| 130 | 2.2   | 19.3  | 28.9# |



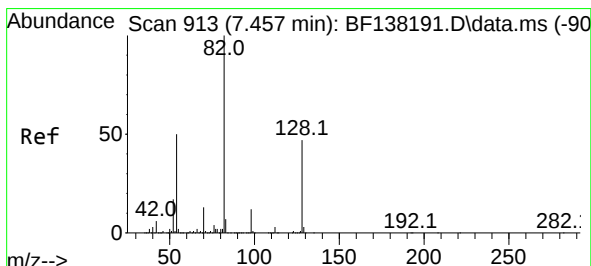
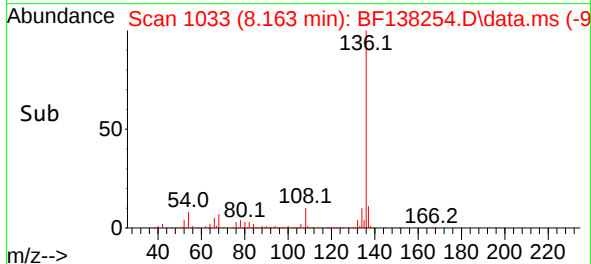
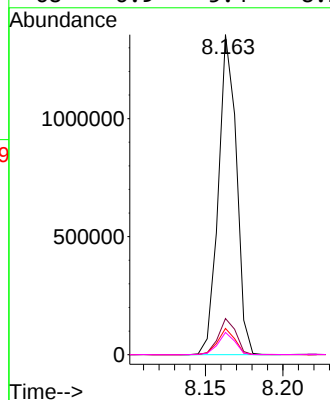
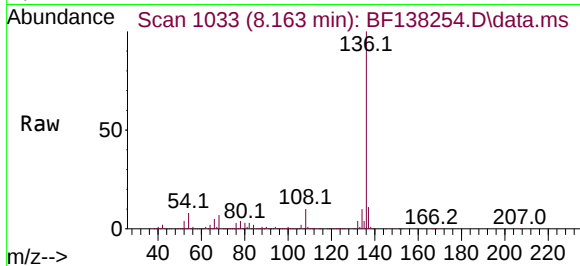


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.012 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion:136 Resp: 1098631

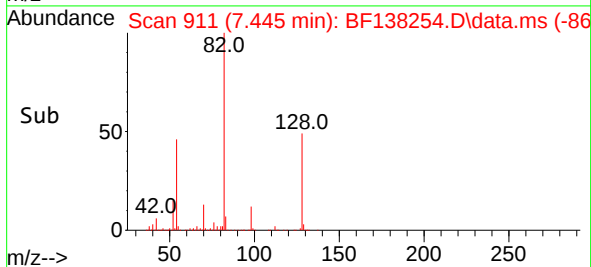
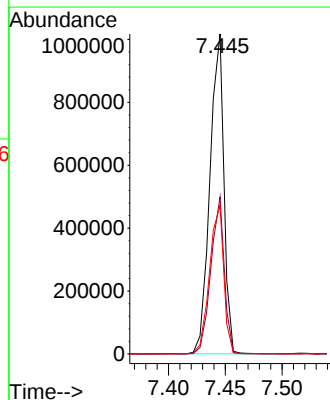
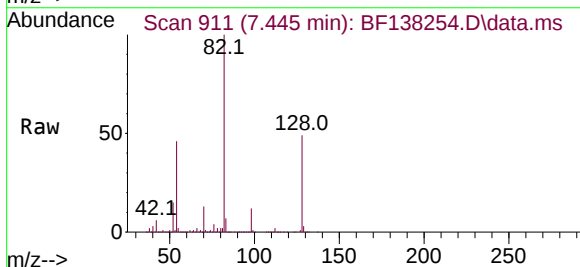
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 9.1   | 13.7  |
| 54  | 8.2   | 6.6   | 10.0  |
| 68  | 6.9   | 5.4   | 8.2   |



#23  
Nitrobenzene-d5  
Concen: 46.012 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Tgt Ion: 82 Resp: 868318

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 49.1  | 37.2  | 55.8  |
| 54  | 46.4  | 39.8  | 59.6  |

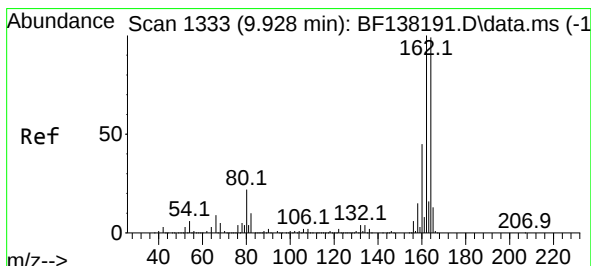
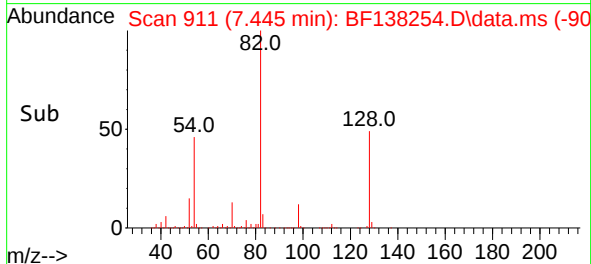
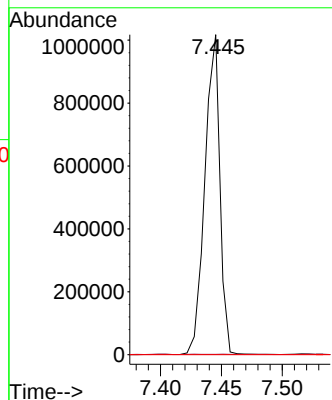
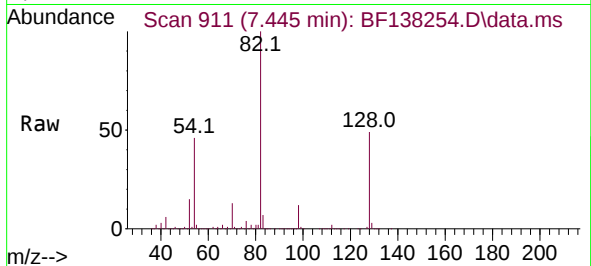




#25  
Isophorone  
Concen: 25.415 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.271 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

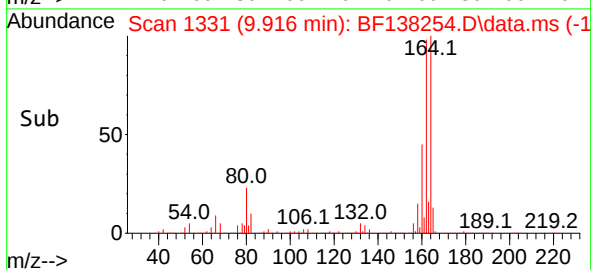
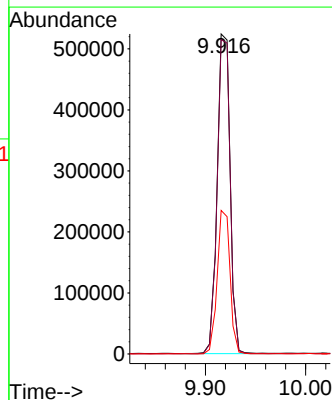
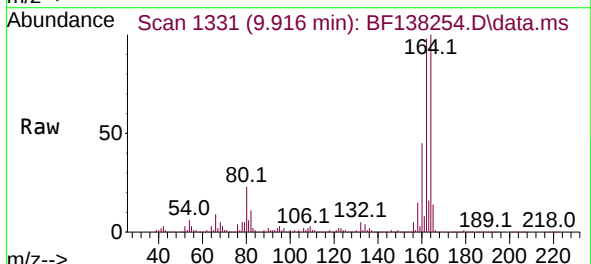
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

Tgt Ion: 82 Resp: 867540  
Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 16.4 24.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. -0.012 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Tgt Ion: 164 Resp: 469737  
Ion Ratio Lower Upper  
164 100  
162 98.2 80.6 121.0  
160 44.8 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 56.419 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

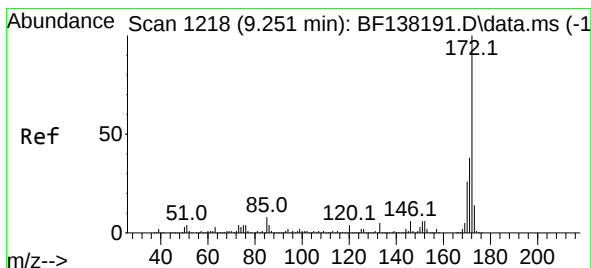
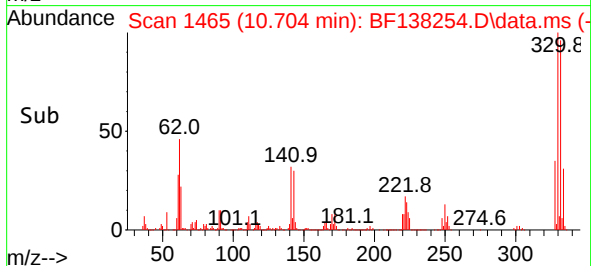
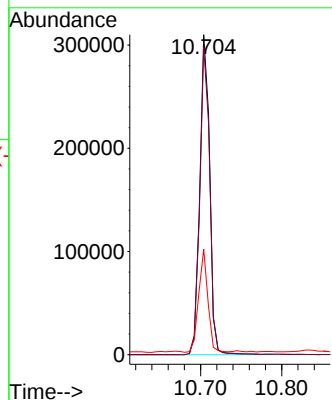
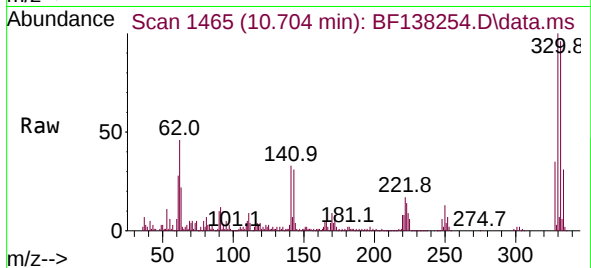
Tgt Ion:330 Resp: 263833

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 30.1 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 49.340 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

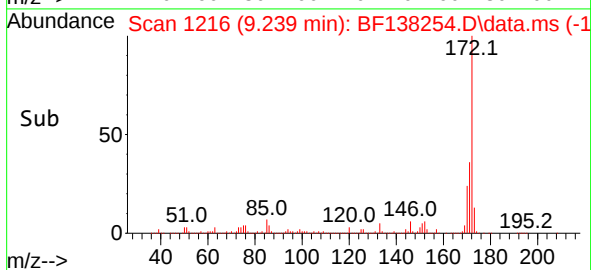
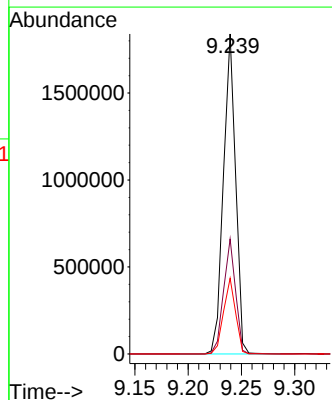
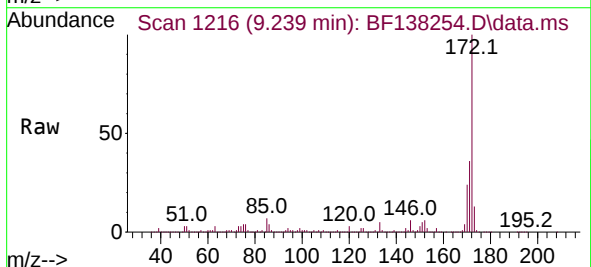
Tgt Ion:172 Resp: 1457534

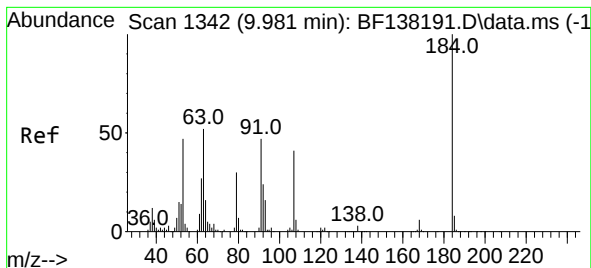
Ion Ratio Lower Upper

172 100

171 35.9 30.3 45.5

170 23.7 20.6 30.8





#54

2,4-Dinitrophenol

Concen: 4.261 ng

RT: 10.133 min Scan# 1

Delta R.T. 0.152 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

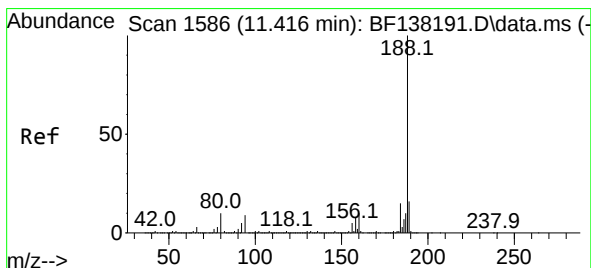
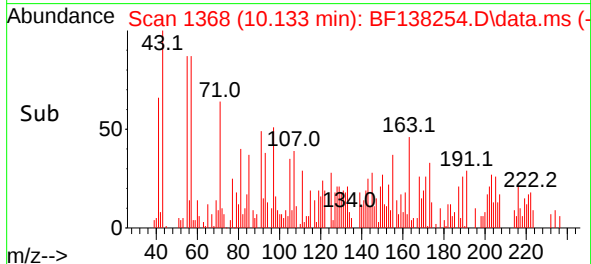
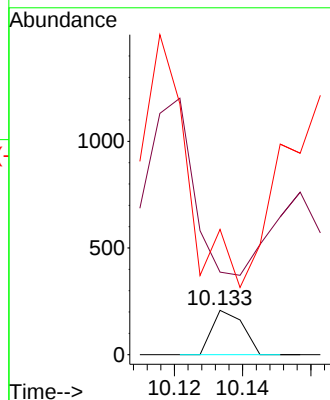
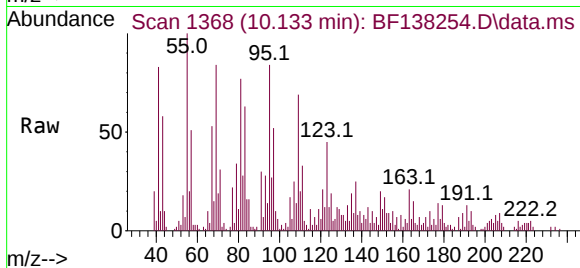
Tgt Ion:184 Resp: 131

Ion Ratio Lower Upper

184 100

63 186.1 49.2 73.8#

154 282.2 46.7 70.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

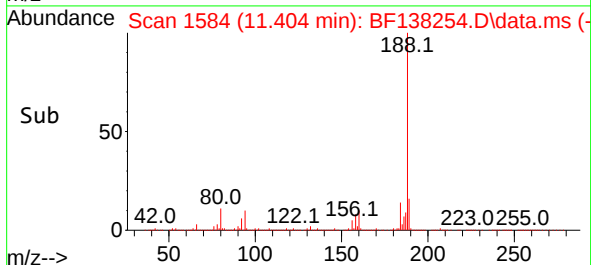
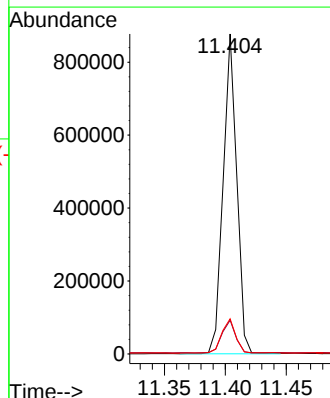
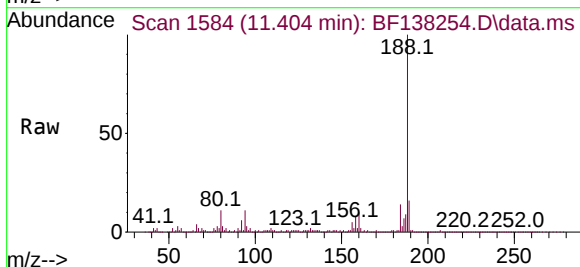
Tgt Ion:188 Resp: 682276

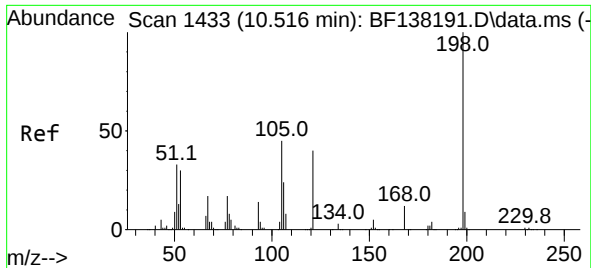
Ion Ratio Lower Upper

188 100

94 10.5 7.6 11.4

80 11.0 8.1 12.1

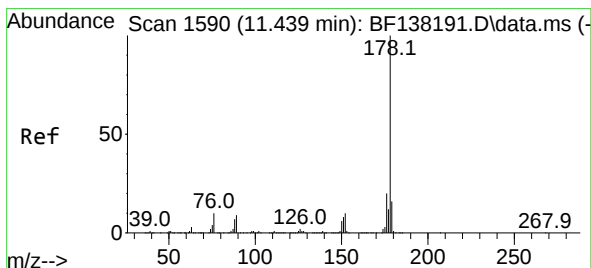
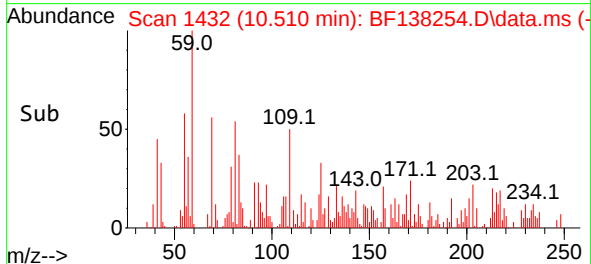
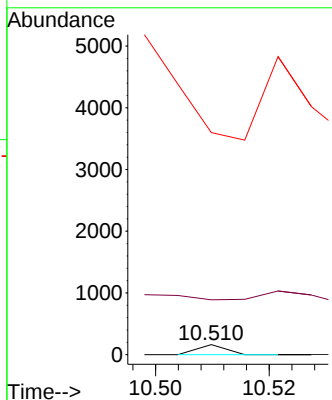
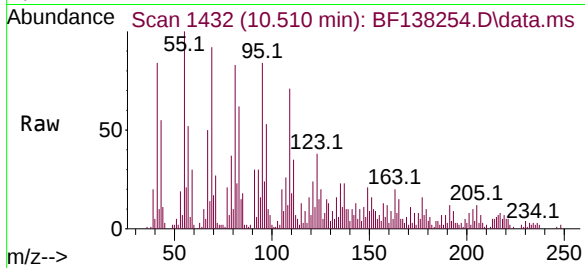




#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.949 ng  
RT: 10.510 min Scan# 1433  
Delta R.T. -0.006 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

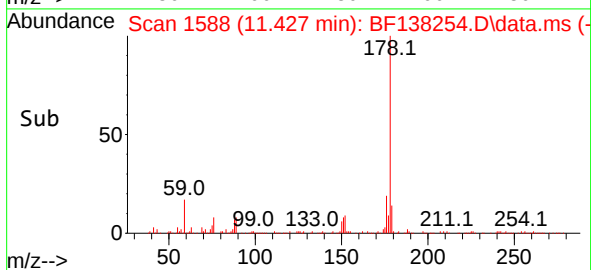
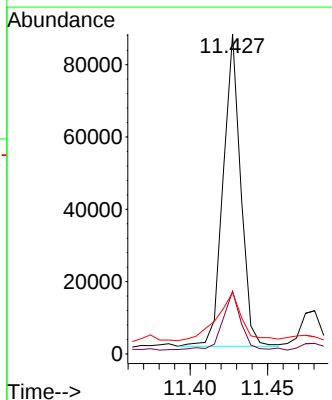
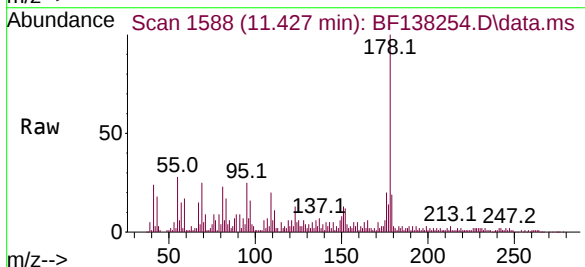
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1

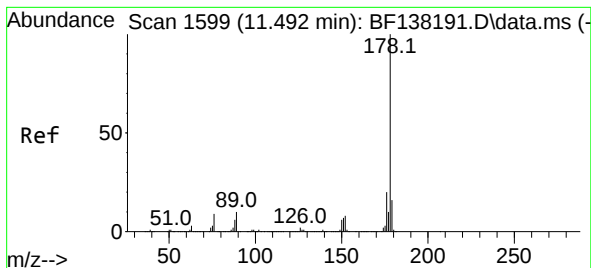
Tgt Ion:198 Resp: 58  
Ion Ratio Lower Upper  
198 100  
51 544.8 26.9 66.9#  
105 2207.4 26.0 66.0#



#71  
Phenanthrene  
Concen: 2.011 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. -0.012 min  
Lab File: BF138254.D  
Acq: 19 Jun 2024 19:28

Tgt Ion:178 Resp: 67842  
Ion Ratio Lower Upper  
178 100  
176 19.7 16.4 24.6  
179 19.2 13.1 19.7





#72

Anthracene

Concen: 2.025 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

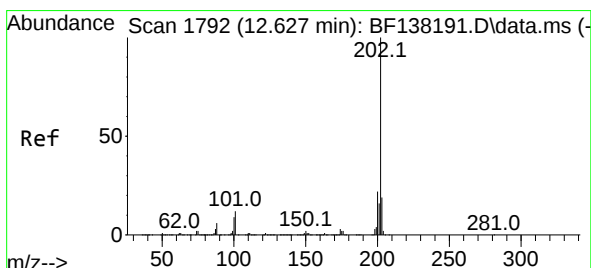
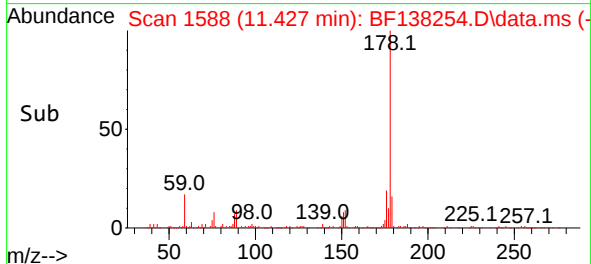
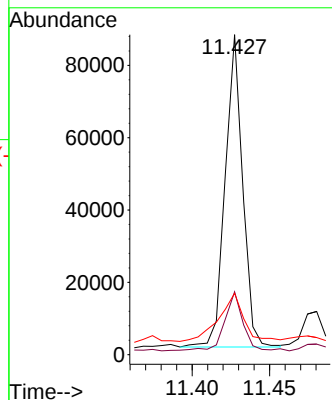
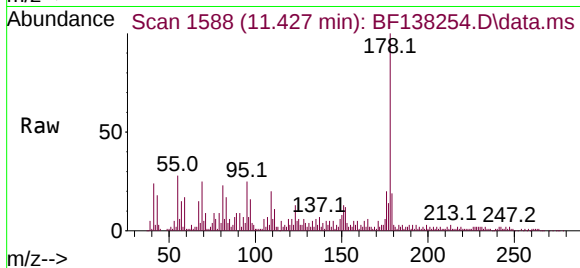
Tgt Ion:178 Resp: 67842

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 19.2 13.0 19.6



#75

Fluoranthene

Concen: 2.443 ng

RT: 12.616 min Scan# 1790

Delta R.T. -0.012 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

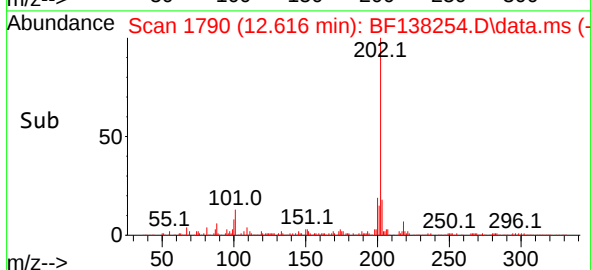
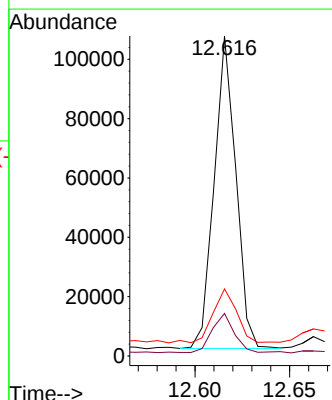
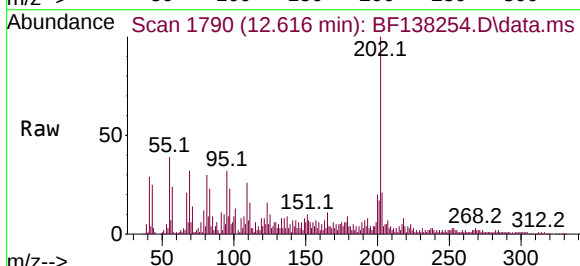
Tgt Ion:202 Resp: 84044

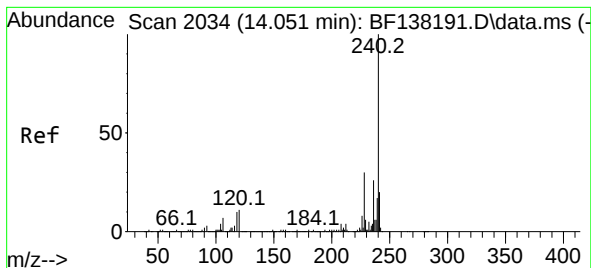
Ion Ratio Lower Upper

202 100

101 13.3 0.0 31.8

203 21.0 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

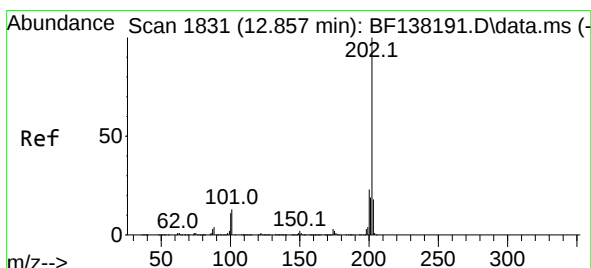
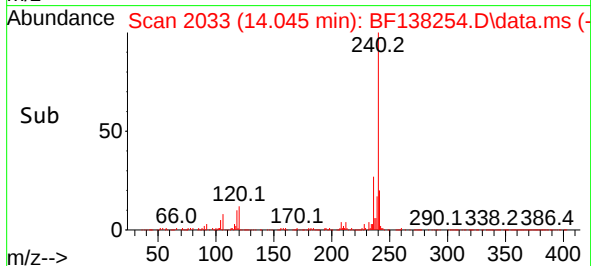
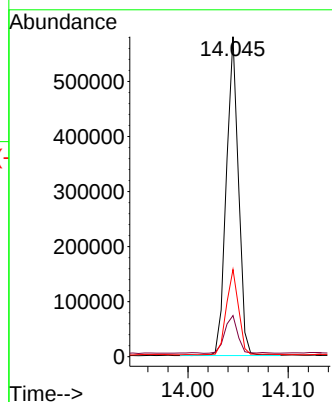
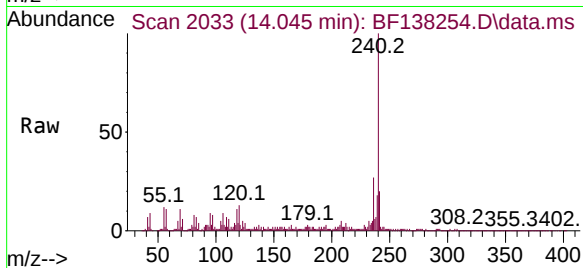
Tgt Ion:240 Resp: 487344

Ion Ratio Lower Upper

240 100

120 12.8 9.2 13.8

236 27.2 21.0 31.6



#78

Pyrene

Concen: 2.264 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

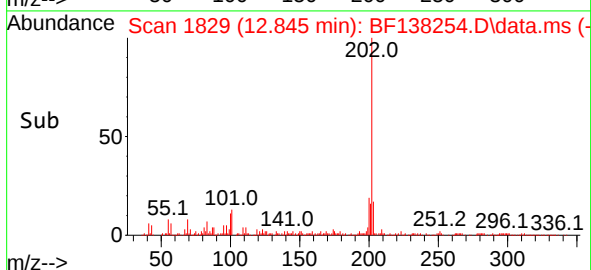
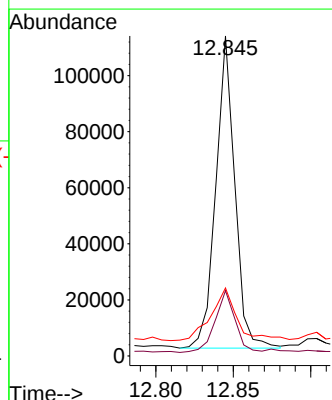
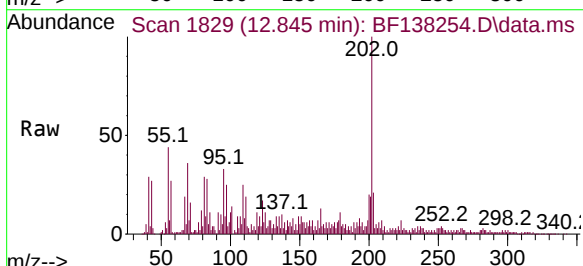
Tgt Ion:202 Resp: 95184

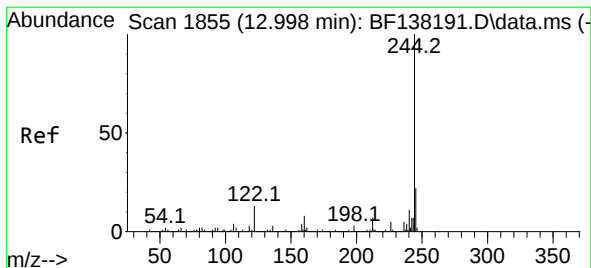
Ion Ratio Lower Upper

202 100

200 20.4 18.0 27.0

203 21.3 14.7 22.1





#79

Terphenyl-d14

Concen: 40.438 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

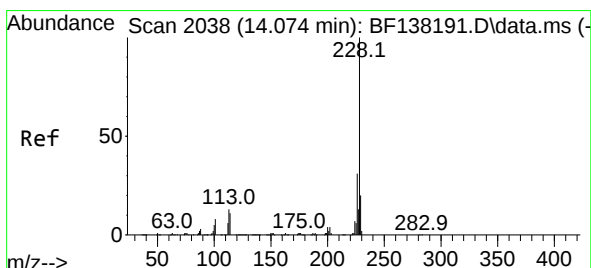
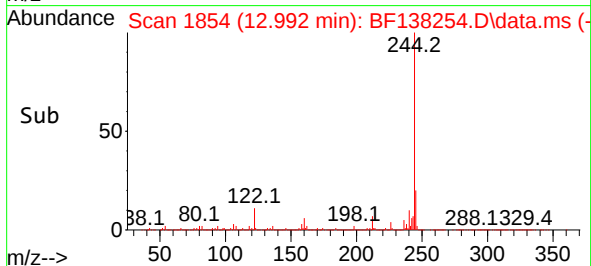
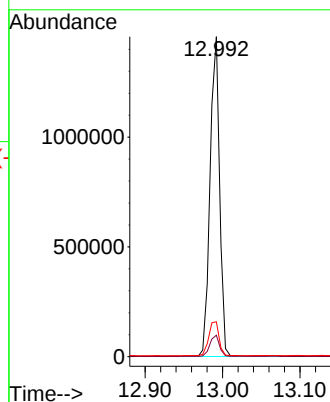
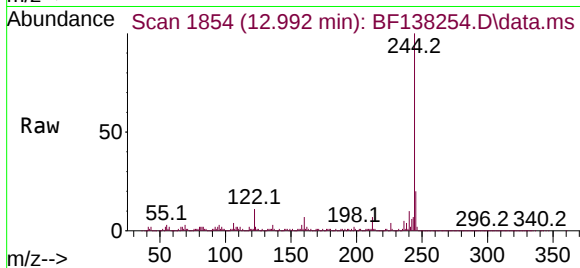
Tgt Ion:244 Resp: 1244263

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 10.9 10.6 15.8



#83

Chrysene

Concen: 2.251 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

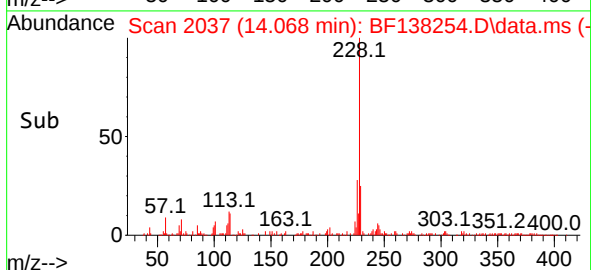
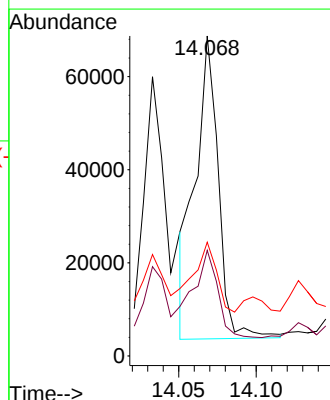
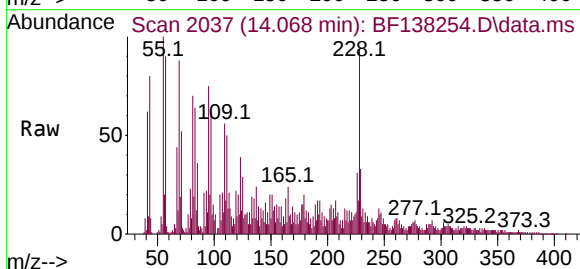
Tgt Ion:228 Resp: 67080

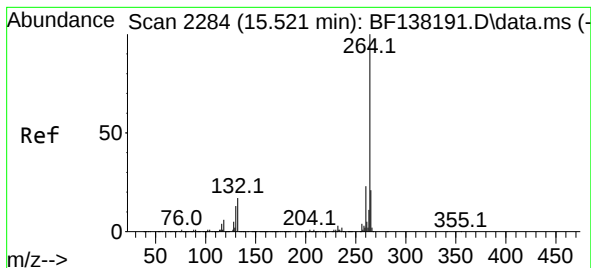
Ion Ratio Lower Upper

228 100

226 33.0 24.5 36.7

229 35.5 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

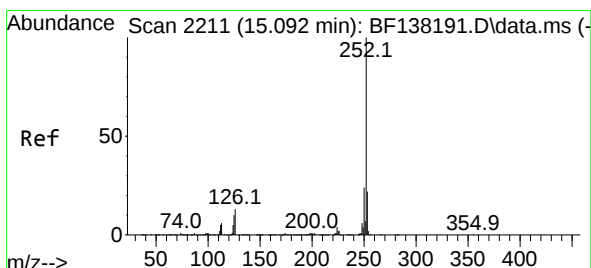
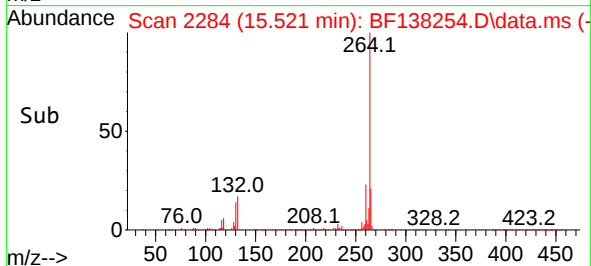
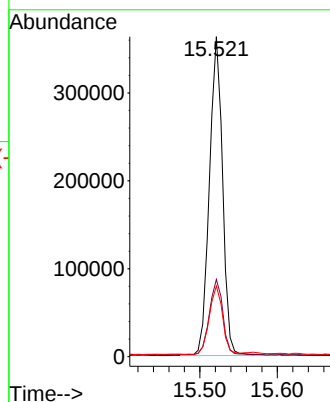
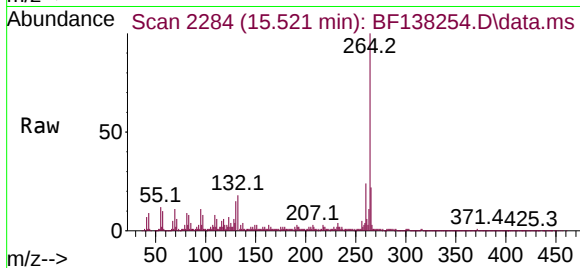
Tgt Ion:264 Resp: 427697

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 22.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.364 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

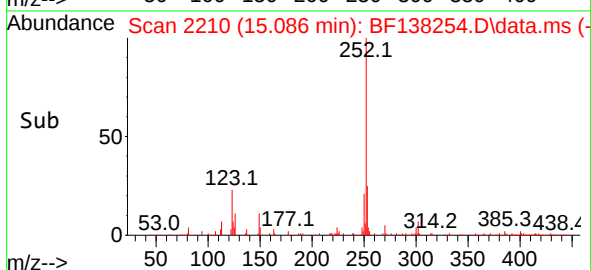
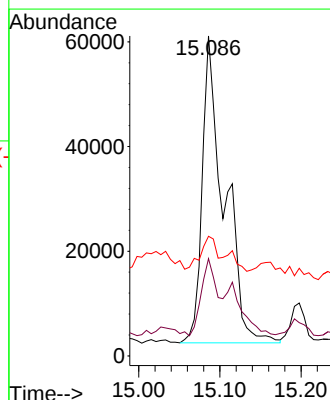
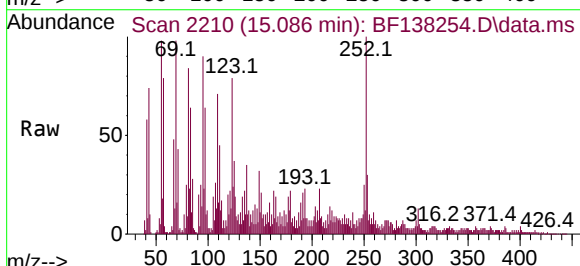
Tgt Ion:252 Resp: 110077

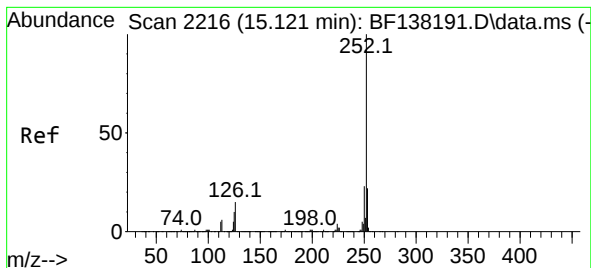
Ion Ratio Lower Upper

252 100

253 30.4 17.7 26.5#

125 37.4 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 4.453 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Instrument :

BNA\_F

ClientSampleId :

TP-1

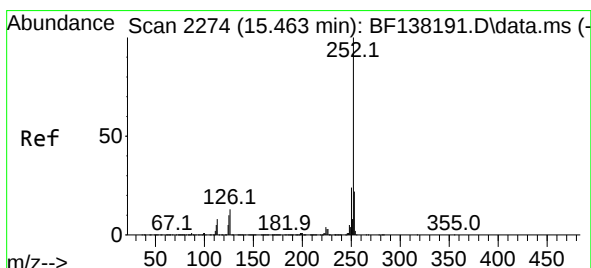
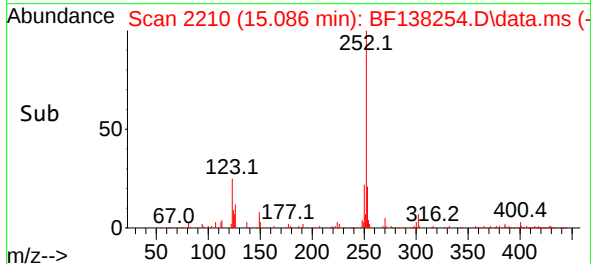
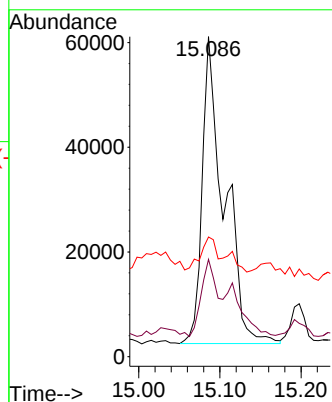
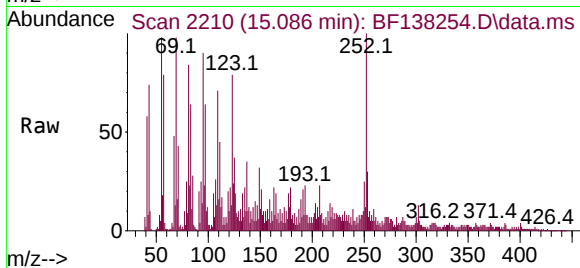
Tgt Ion:252 Resp: 110077

Ion Ratio Lower Upper

252 100

253 30.4 17.8 26.8#

125 37.4 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 2.137 ng

RT: 15.457 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF138254.D

Acq: 19 Jun 2024 19:28

Tgt Ion:252 Resp: 46312

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5#

125 44.9 8.2 12.2#

