

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
 Data File : BF136957.D  
 Acq On : 04 Jan 2024 23:54  
 Operator : CG\JU  
 Sample : 06015-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-323-6-8

Quant Time: Jan 05 00:45:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

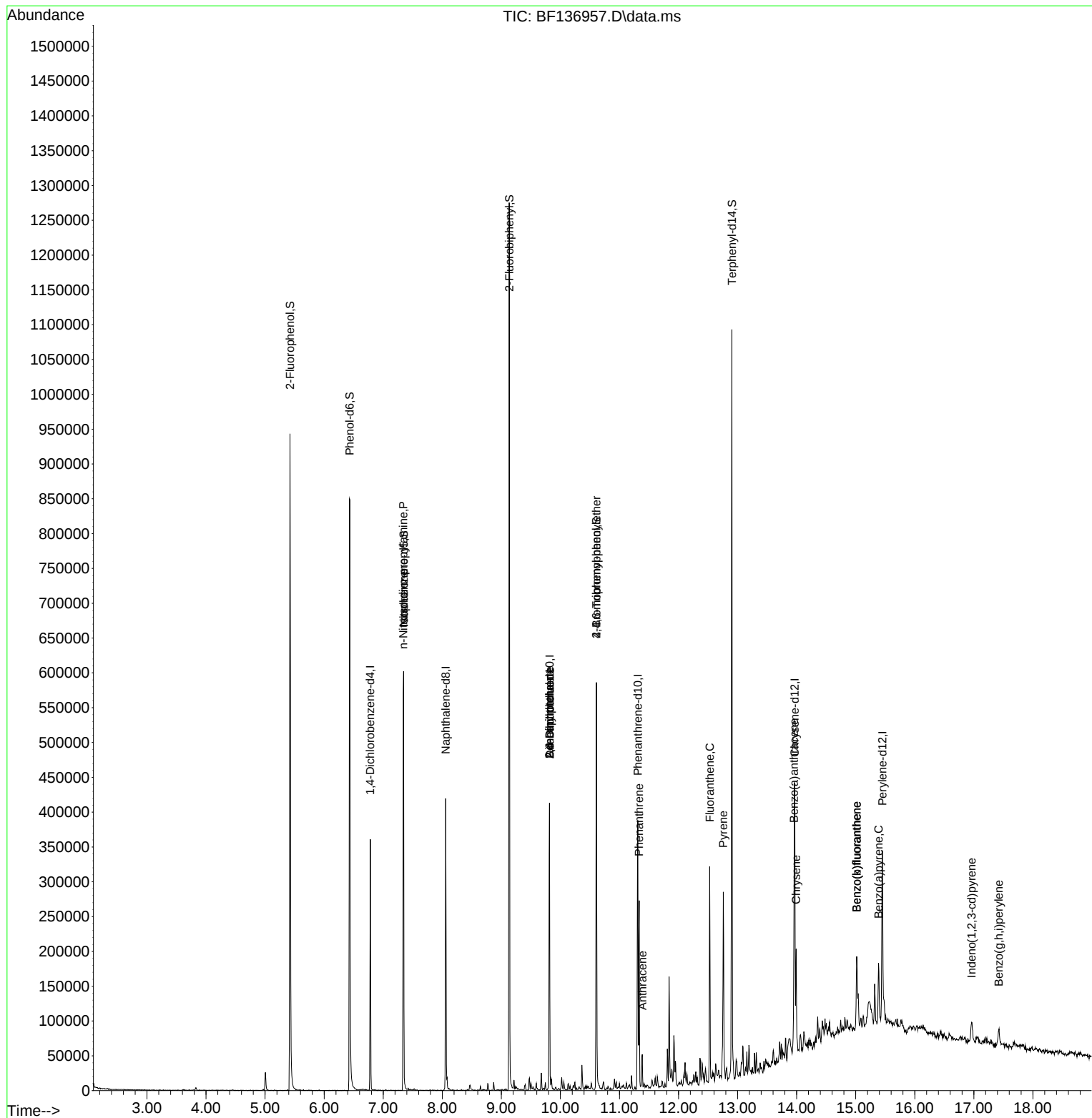
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 46508    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 169108   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 81792    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 144430   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 115157   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.451 | 264  | 112872   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 255042   | 85.563 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 317837   | 82.292 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 187446   | 56.720 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 70664    | 73.357 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 361399   | 59.428 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 349493   | 42.412 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.340  | 70   | 23580    | 10.071 | ng    | # 76     |
| 25) Isophorone                | 7.345  | 82   | 187445   | 31.171 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 16264    | 2.722  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 10552    | 7.782  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 10552    | 5.995  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 4207     | 2.623  | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 95691    | 12.912 | ng    | 98       |
| 72) Anthracene                | 11.386 | 178  | 21092    | 2.810  | ng    | 99       |
| 75) Fluoranthene              | 12.527 | 202  | 111199   | 14.028 | ng    | 99       |
| 78) Pyrene                    | 12.757 | 202  | 110400   | 9.766  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 62412    | 7.805  | ng    | 98       |
| 83) Chrysene                  | 13.992 | 228  | 54591    | 6.981  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 19346    | 2.374  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 78114    | 10.362 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 78114    | 10.966 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 40915    | 6.430  | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 17548    | 2.563  | ng    | 97       |
| -----                         |        |      |          |        |       |          |

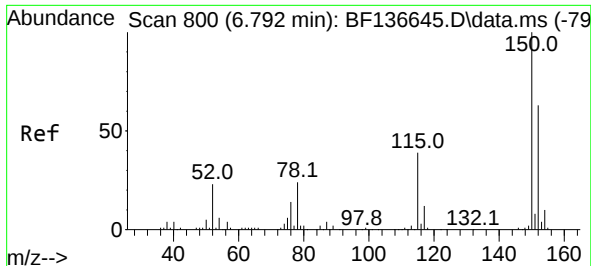
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
Data File : BF136957.D  
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Sample : 06015-07  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

Quant Time: Jan 05 00:45:50 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

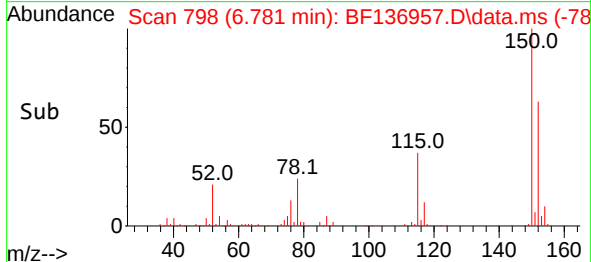
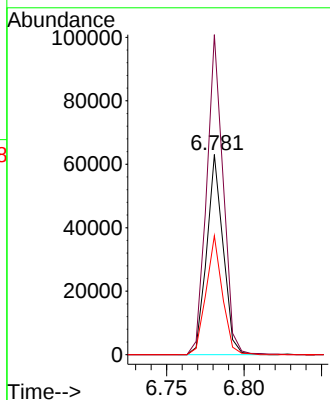
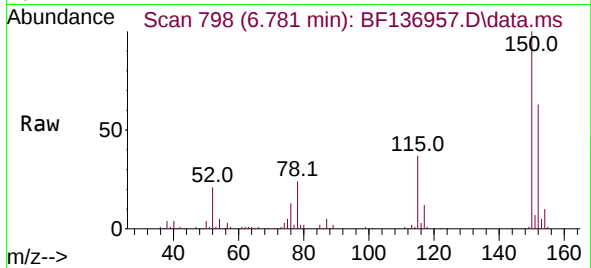




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

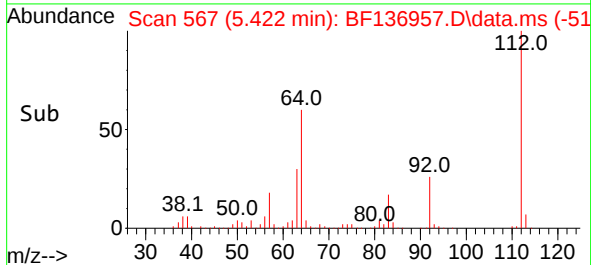
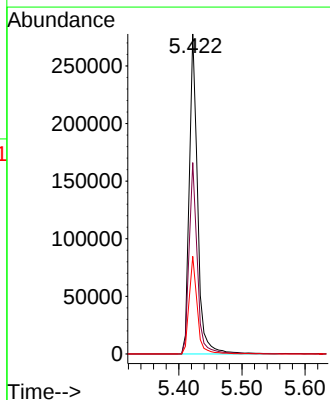
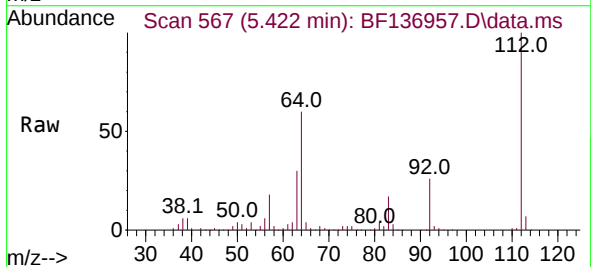
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

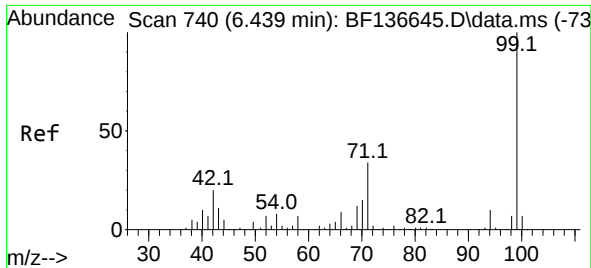
Tgt Ion:152 Resp: 46508  
Ion Ratio Lower Upper  
152 100  
150 159.8 127.0 190.6  
115 59.4 49.0 73.4



#5  
2-Fluorophenol  
Concen: 85.563 ng  
RT: 5.422 min Scan# 567  
Delta R.T. -0.006 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion:112 Resp: 255042  
Ion Ratio Lower Upper  
112 100  
64 59.8 51.1 76.7  
63 30.5 26.1 39.1

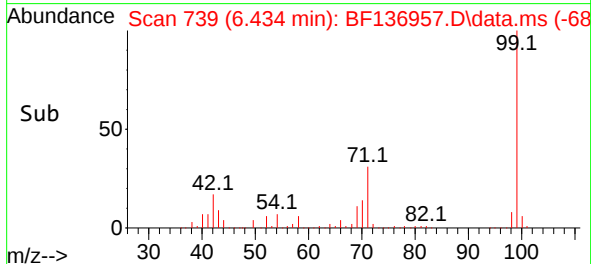
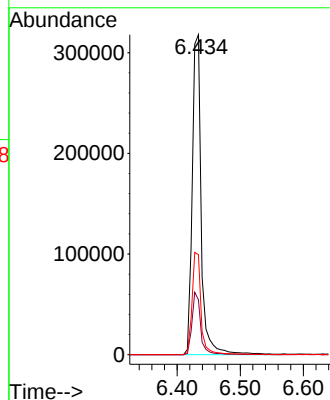
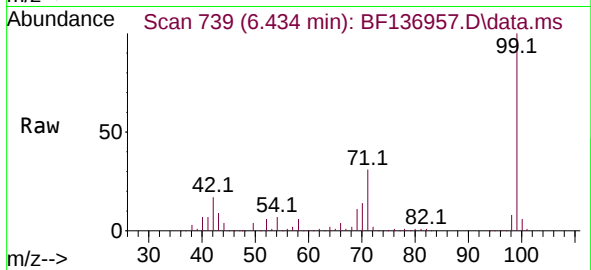




#7  
Phenol-d6  
Concen: 82.292 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

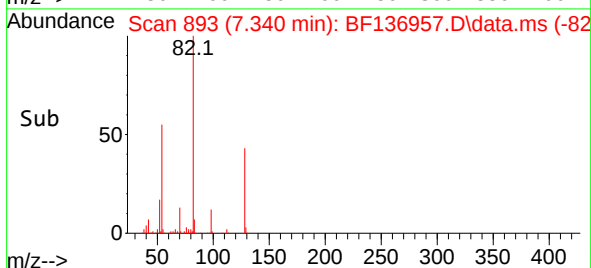
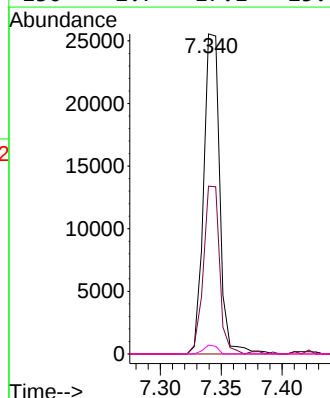
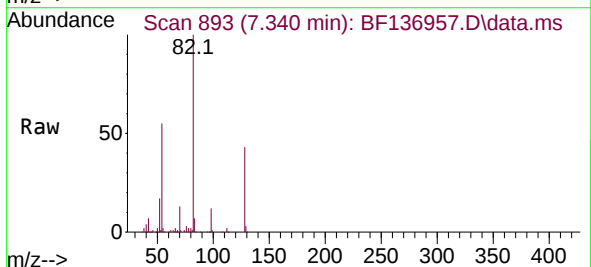
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

Tgt Ion: 99 Resp: 317837  
Ion Ratio Lower Upper  
99 100  
42 17.2 16.1 24.1  
71 31.3 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.071 ng  
RT: 7.340 min Scan# 893  
Delta R.T. 0.130 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion: 70 Resp: 23580  
Ion Ratio Lower Upper  
70 100  
42 52.4 54.2 81.4#  
101 0.0 7.6 11.4#  
130 2.7 17.1 25.7#

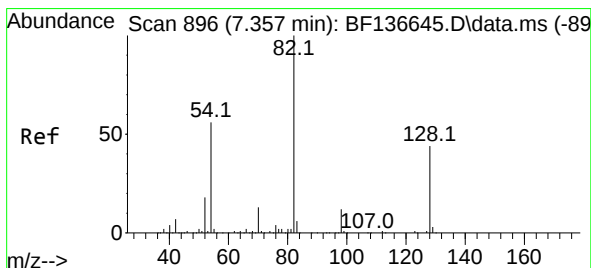
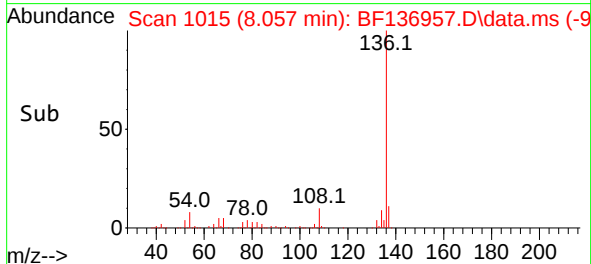
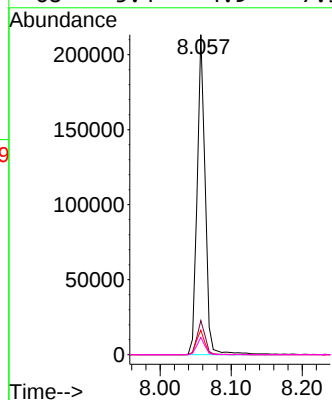
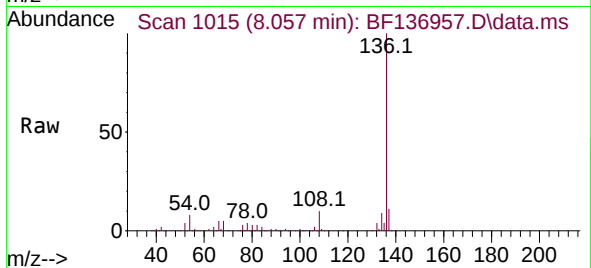




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

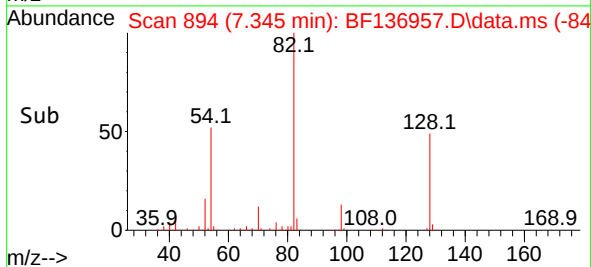
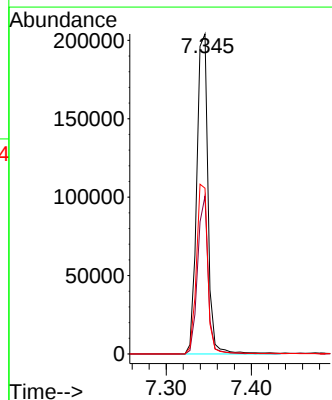
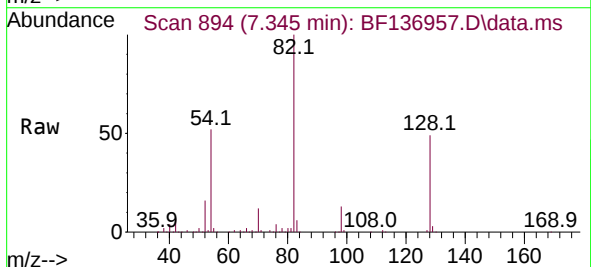
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

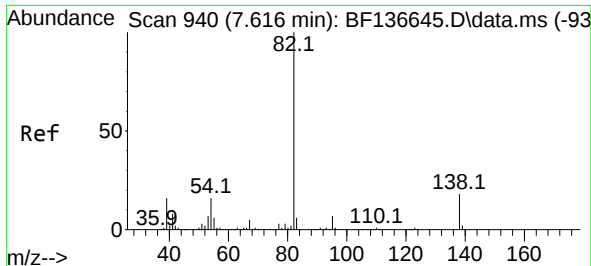
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 169108 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.7  | 9.0   | 13.4   |
| 54       | 7.7   | 7.2   | 10.8   |
| 68       | 5.4   | 4.9   | 7.3    |



#23  
Nitrobenzene-d5  
Concen: 56.720 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 187446 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 49.3  | 35.3  | 52.9   |
| 54       | 51.8  | 44.5  | 66.7   |

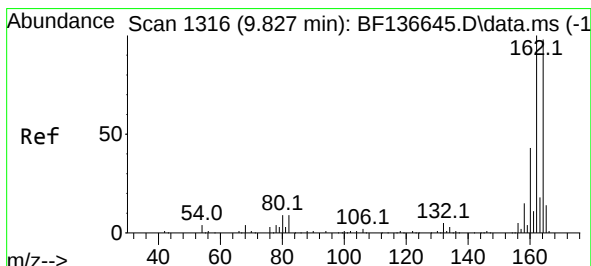
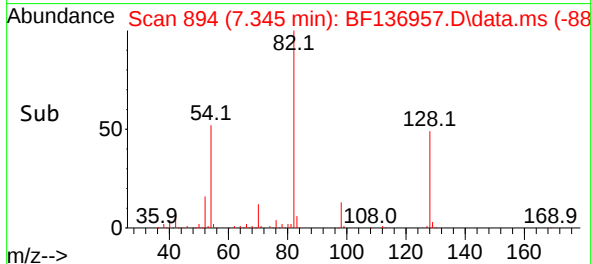
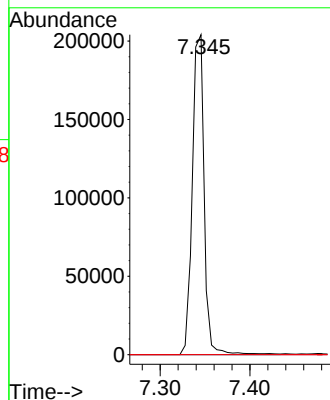
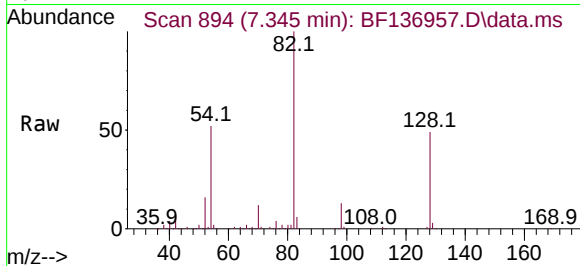




#25  
Isophorone  
Concen: 31.171 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.270 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

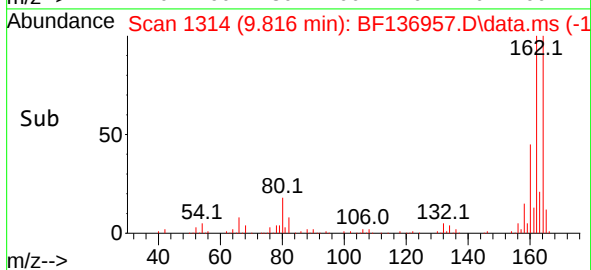
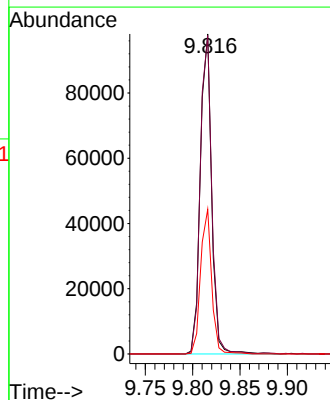
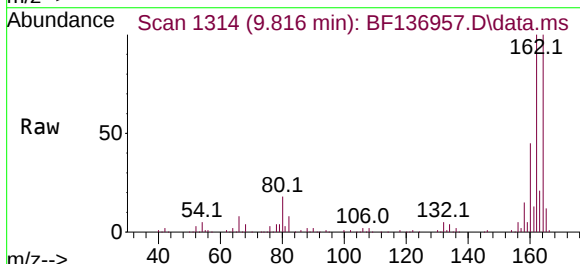
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

Tgt Ion: 82 Resp: 187445  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion: 164 Resp: 81792  
Ion Ratio Lower Upper  
164 100  
162 99.5 81.6 122.4  
160 45.2 34.9 52.3

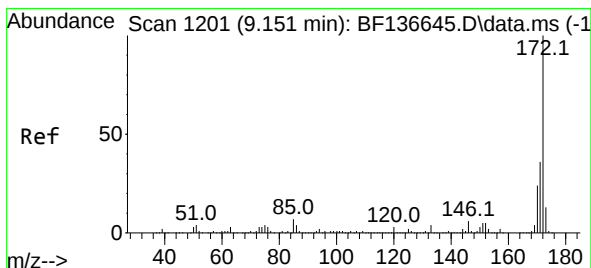
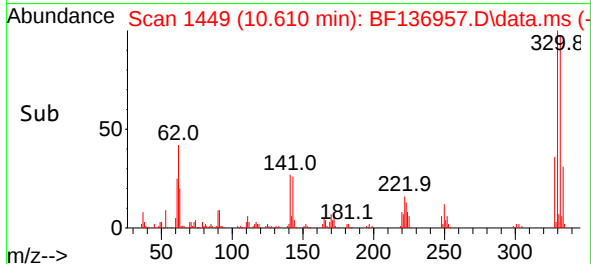
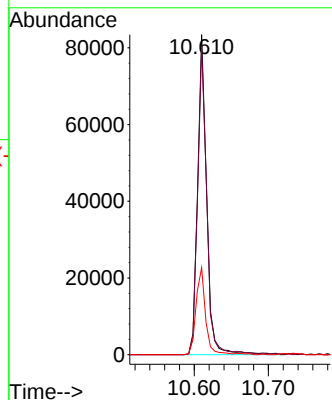
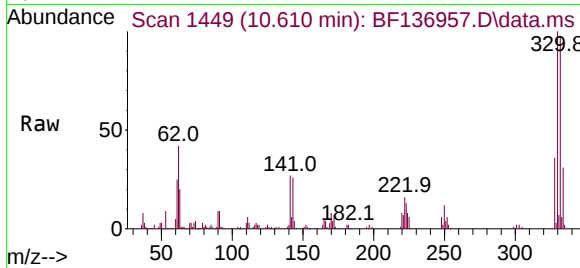




#42  
2,4,6-Tribromophenol  
Concen: 73.357 ng  
RT: 10.610 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

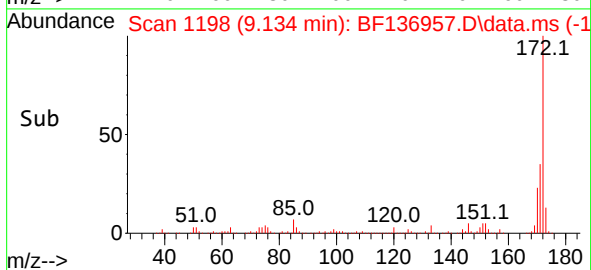
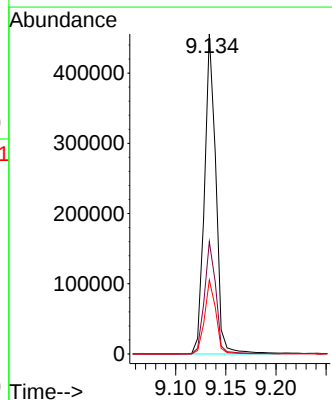
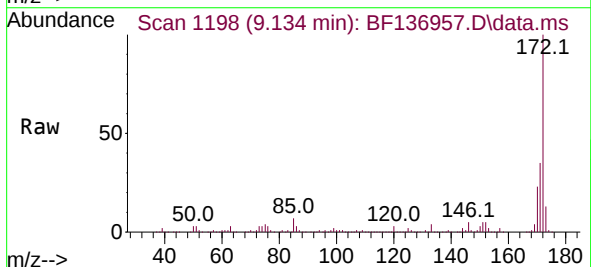
Instrument :  
BNA\_F  
ClientSampleId :  
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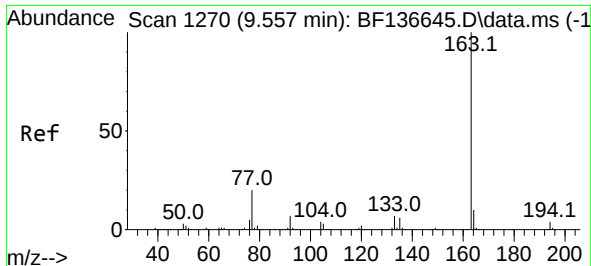
Tgt Ion: 330 Resp: 70664  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.4 116.0  
141 28.2 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 59.428 ng  
RT: 9.134 min Scan# 1198  
Delta R.T. -0.017 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion: 172 Resp: 361399  
Ion Ratio Lower Upper  
172 100  
171 35.1 29.0 43.6  
170 23.1 19.0 28.4

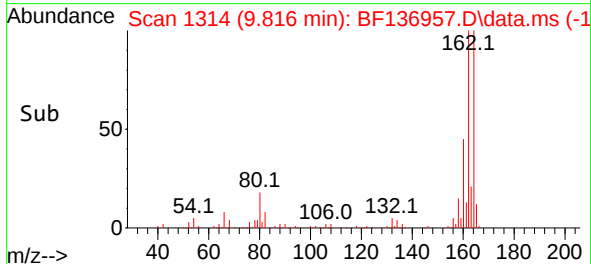
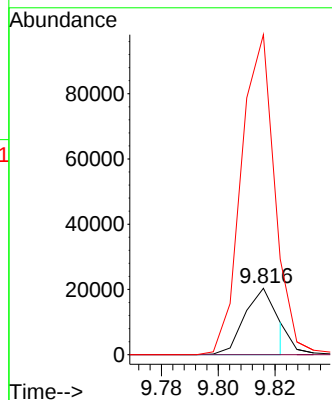
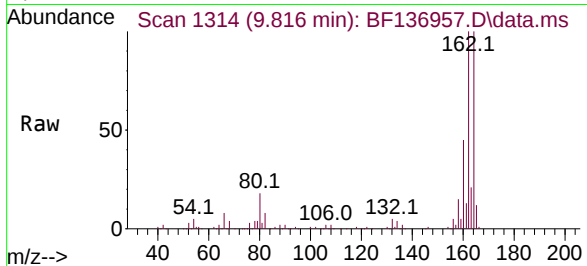




#50  
Dimethylphthalate  
Concen: 2.722 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

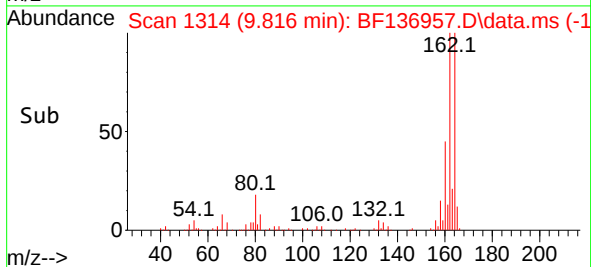
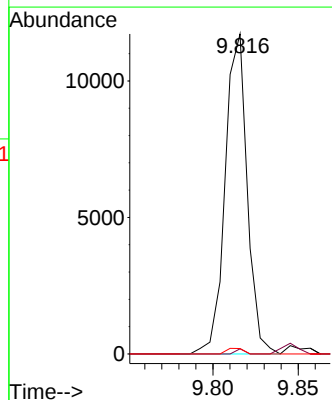
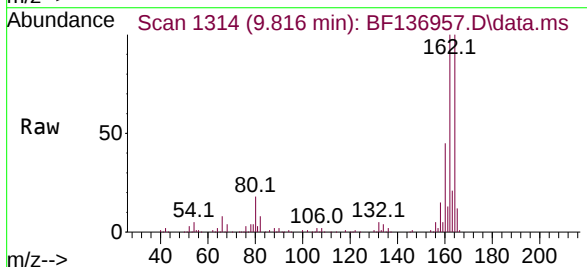
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

Tgt Ion:163 Resp: 16264  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 481.8 7.8 11.6#



#51  
2,6-Dinitrotoluene  
Concen: 7.782 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion:165 Resp: 10552  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.8 59.6#  
89 1.7 38.8 58.2#

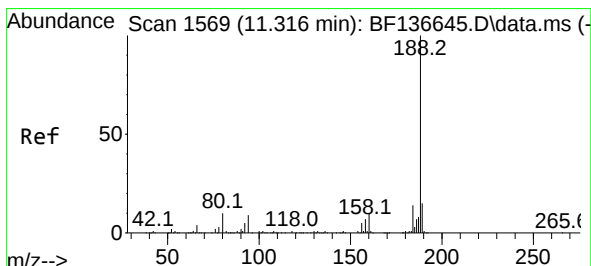
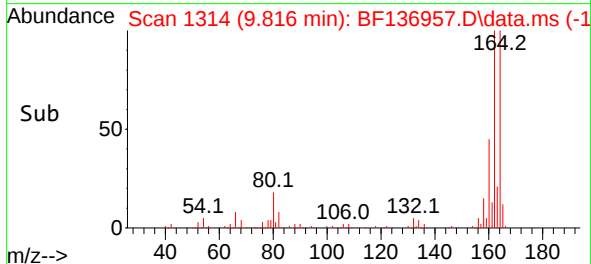
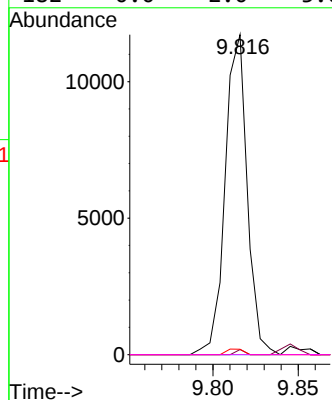
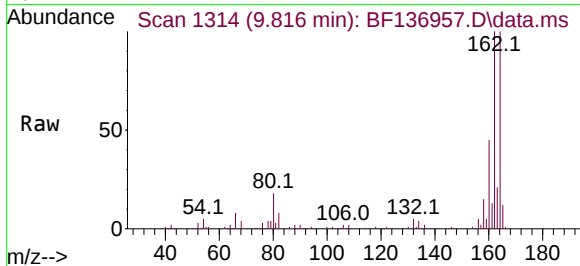




#57  
2,4-Dinitrotoluene  
Concen: 5.995 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

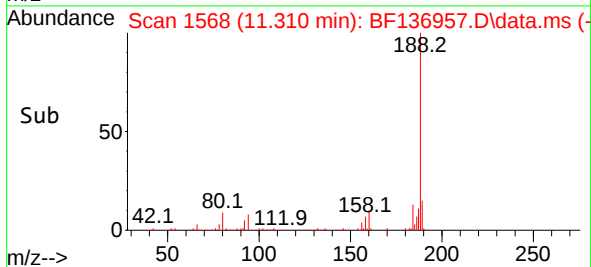
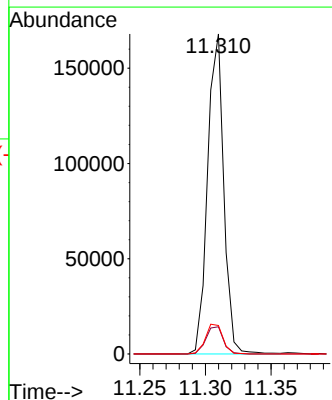
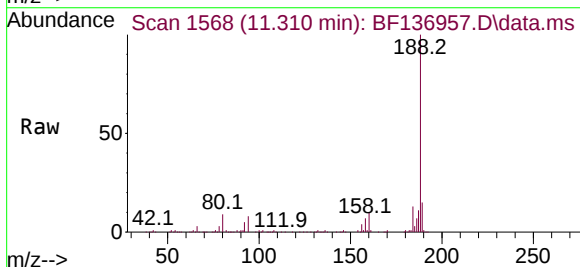
Instrument :  
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ClientSampleId :  
MR-323-6-8

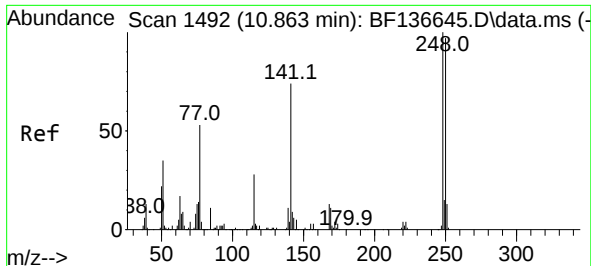
Tgt Ion:165 Resp: 10552  
Ion Ratio Lower Upper  
165 100  
63 1.6 41.0 61.6#  
89 1.7 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion:188 Resp: 144430  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.5 11.3  
80 8.9 8.1 12.1

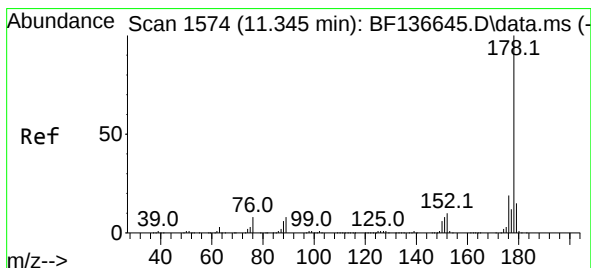
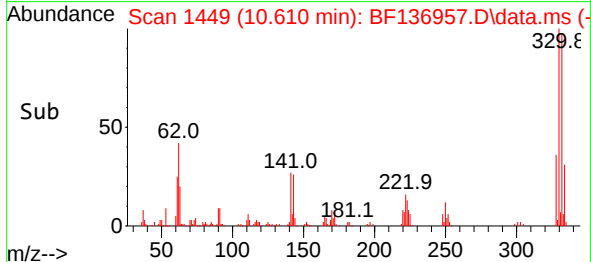
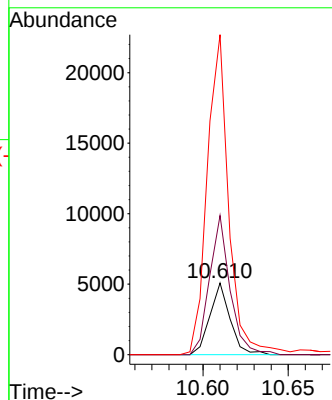
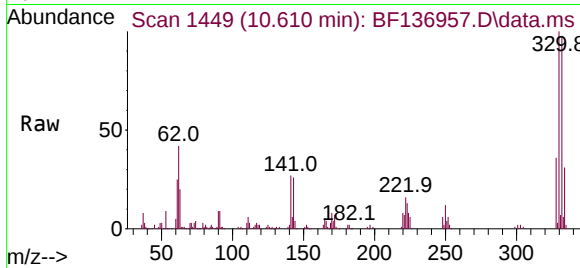




#67  
4-Bromophenyl-phenylether  
Concen: 2.623 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

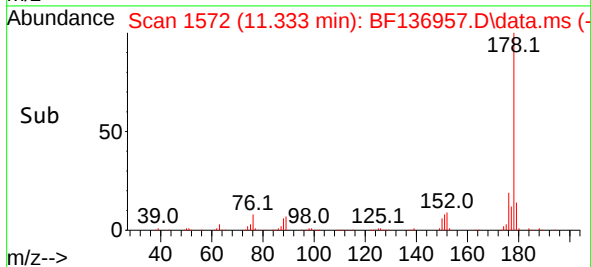
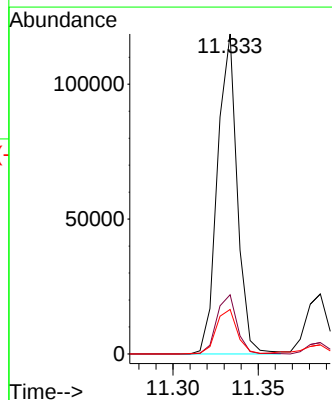
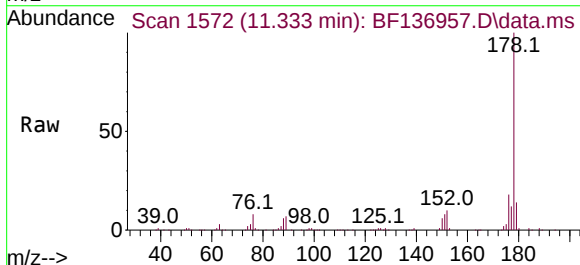
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-6-8

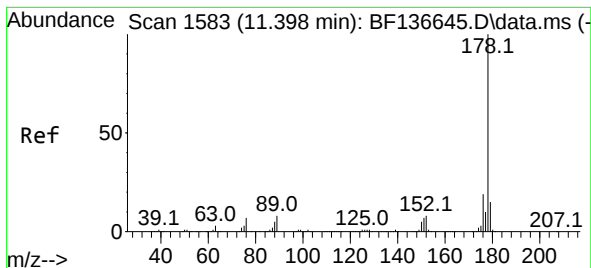
Tgt Ion:248 Resp: 4207  
Ion Ratio Lower Upper  
248 100  
250 194.1 77.8 116.6#  
141 446.2 59.2 88.8#



#71  
Phenanthrene  
Concen: 12.912 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136957.D  
Acq: 04 Jan 2024 23:54

Tgt Ion:178 Resp: 95691  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.3 22.9  
179 13.9 11.9 17.9





#72

Anthracene

Concen: 2.810 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8

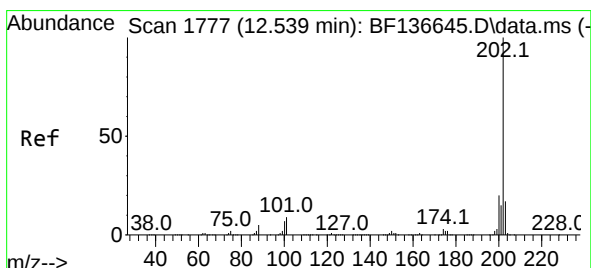
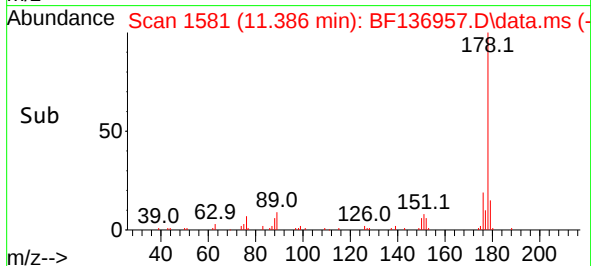
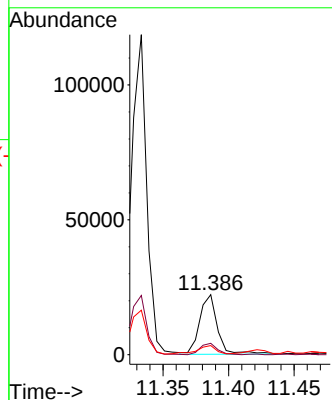
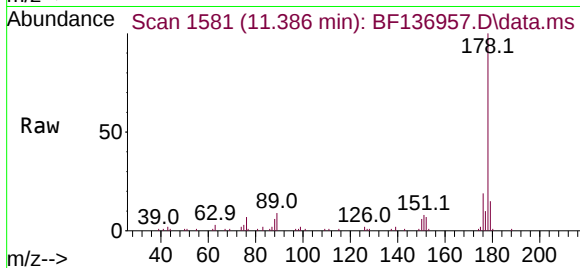
Tgt Ion:178 Resp: 21092

Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.2 11.8 17.6



#75

Fluoranthene

Concen: 14.028 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

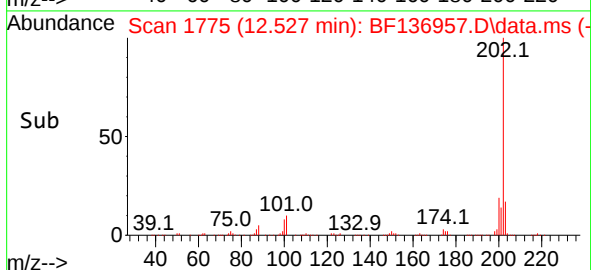
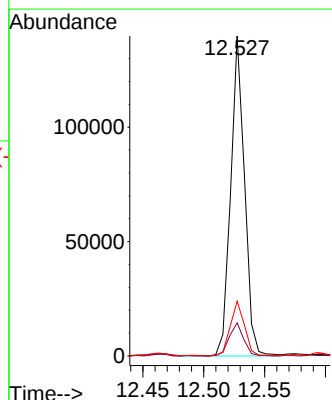
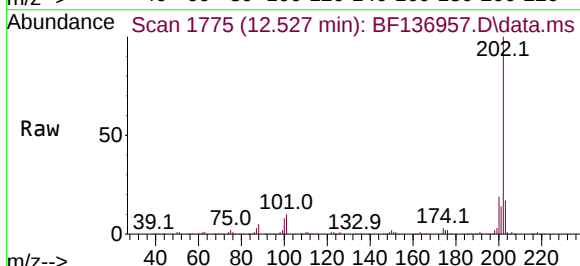
Tgt Ion:202 Resp: 111199

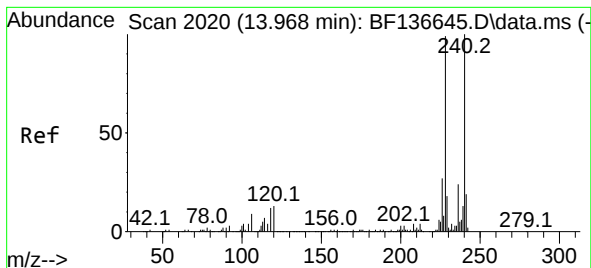
Ion Ratio Lower Upper

202 100

101 10.3 0.0 29.3

203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8

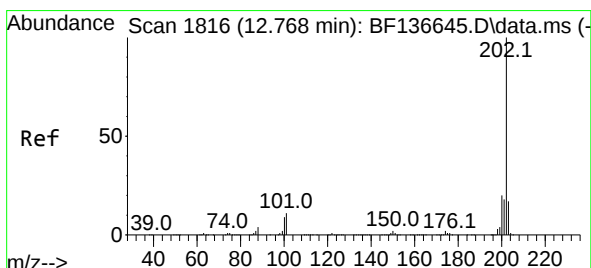
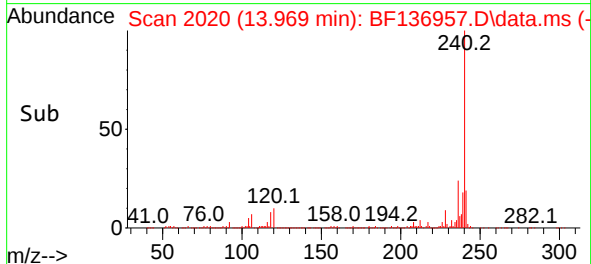
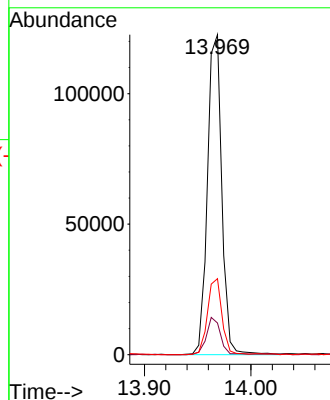
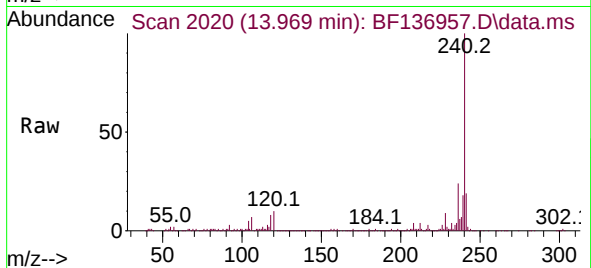
Tgt Ion:240 Resp: 115157

Ion Ratio Lower Upper

240 100

120 9.9 10.3 15.5#

236 23.8 19.4 29.2



#78

Pyrene

Concen: 9.766 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

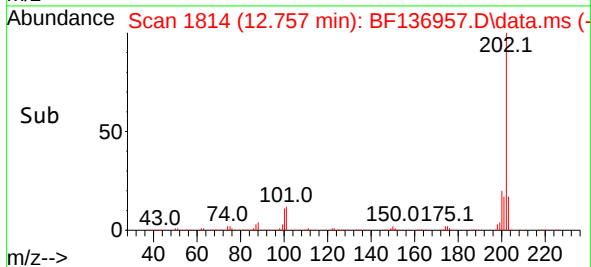
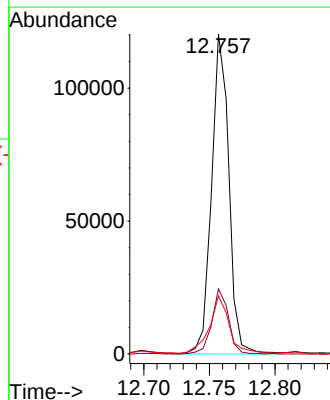
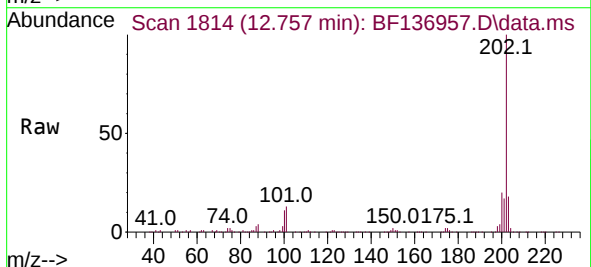
Tgt Ion:202 Resp: 110400

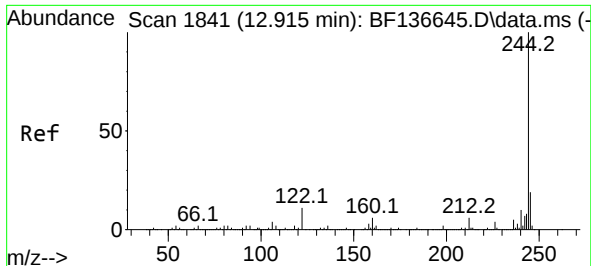
Ion Ratio Lower Upper

202 100

200 20.3 15.9 23.9

203 18.1 13.8 20.6

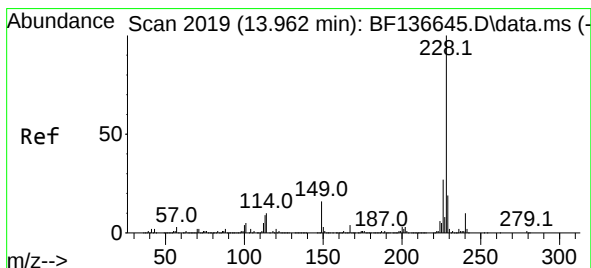
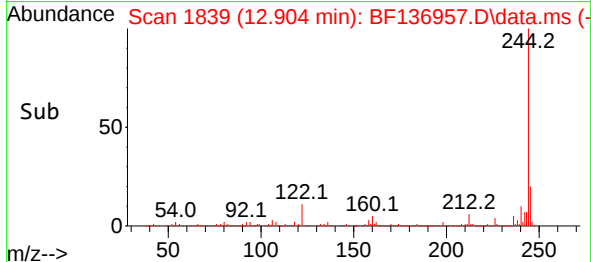
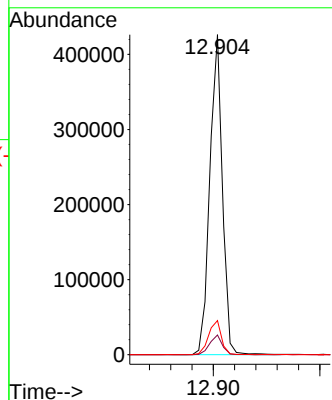
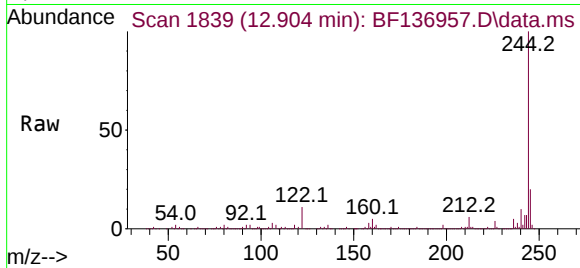




#79  
 Terphenyl-d14  
 Concen: 42.412 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. -0.012 min  
 Lab File: BF136957.D  
 Acq: 04 Jan 2024 23:54

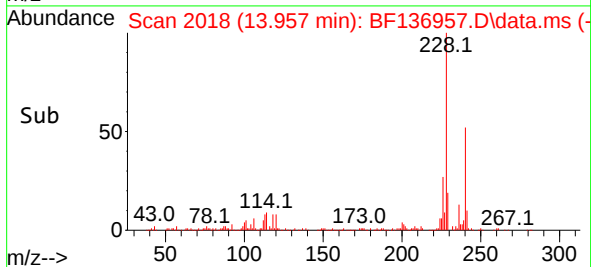
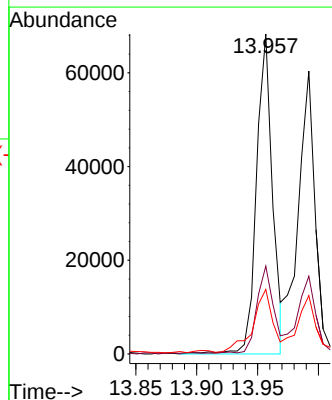
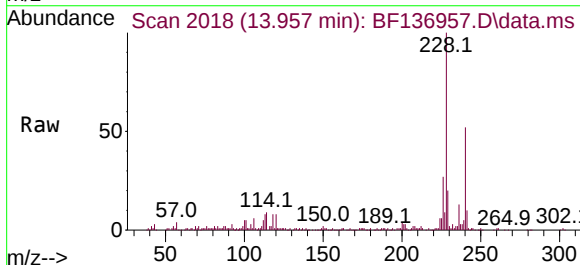
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-323-6-8

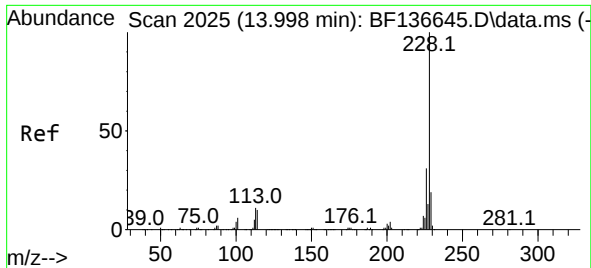
Tgt Ion:244 Resp: 349493  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 10.7 9.0 13.4



#81  
 Benzo(a)anthracene  
 Concen: 7.805 ng  
 RT: 13.957 min Scan# 2018  
 Delta R.T. -0.006 min  
 Lab File: BF136957.D  
 Acq: 04 Jan 2024 23:54

Tgt Ion:228 Resp: 62412  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 21.4 32.0  
 229 20.1 14.9 22.3





#83

Chrysene

Concen: 6.981 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8

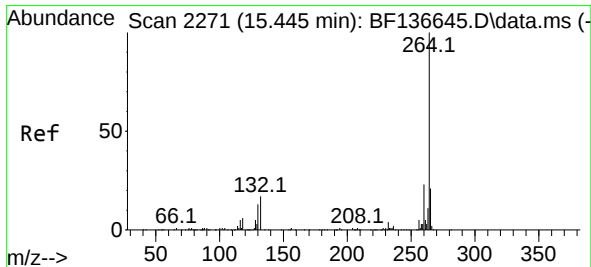
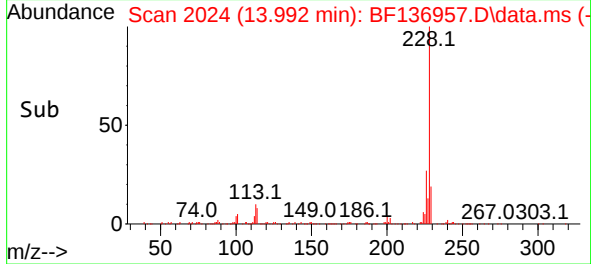
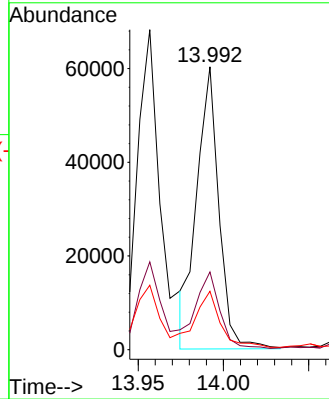
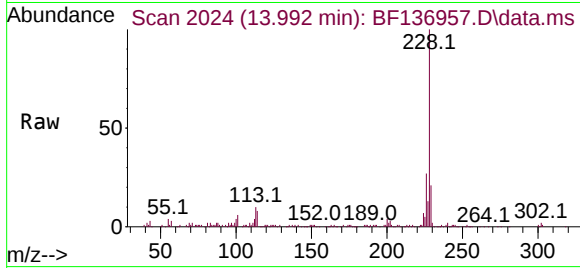
Tgt Ion:228 Resp: 54591

Ion Ratio Lower Upper

228 100

226 27.5 24.7 37.1

229 20.6 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

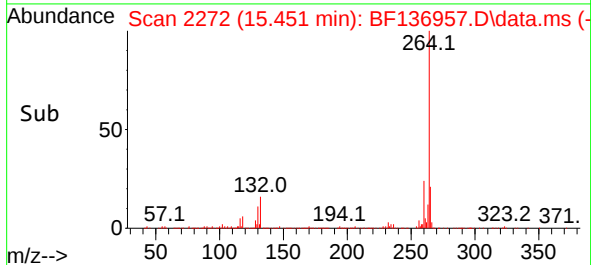
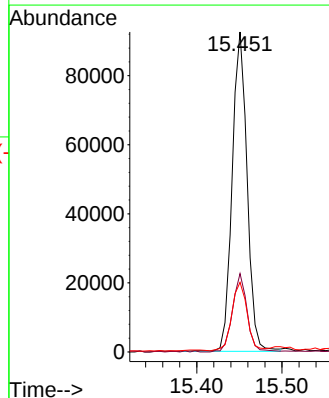
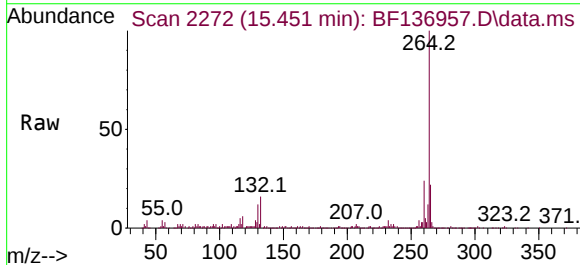
Tgt Ion:264 Resp: 112872

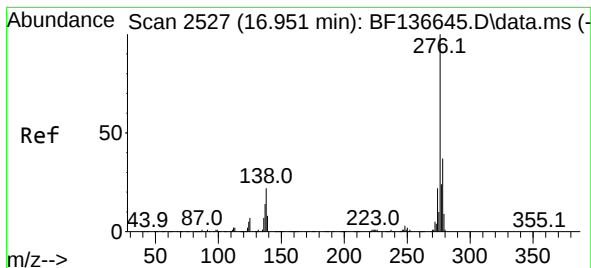
Ion Ratio Lower Upper

264 100

260 24.5 18.3 27.5

265 21.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.374 ng

RT: 16.962 min Scan# 2198

Delta R.T. 0.012 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8

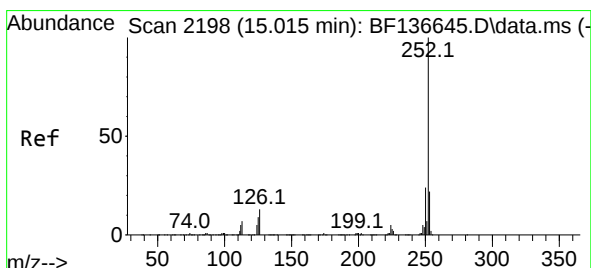
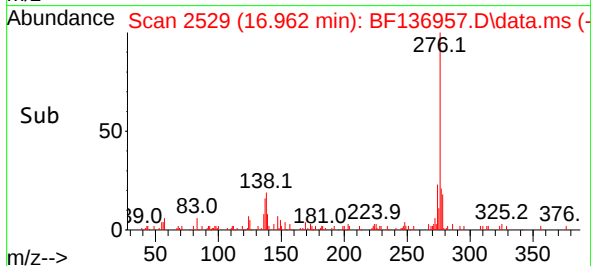
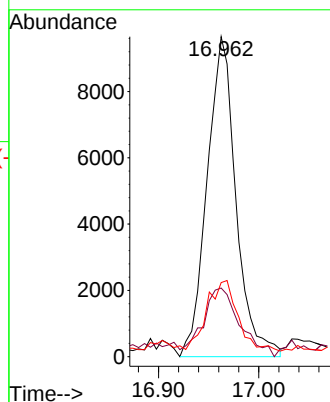
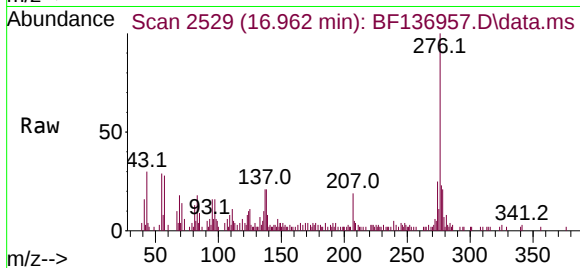
Tgt Ion:276 Resp: 19346

Ion Ratio Lower Upper

276 100

138 27.3 18.7 28.1

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 10.362 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

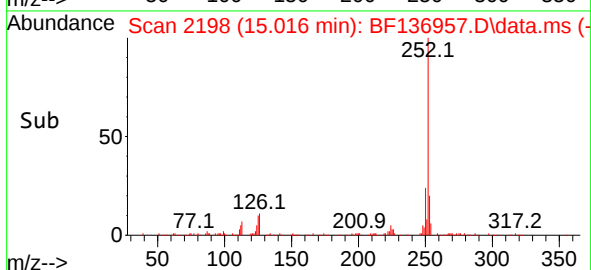
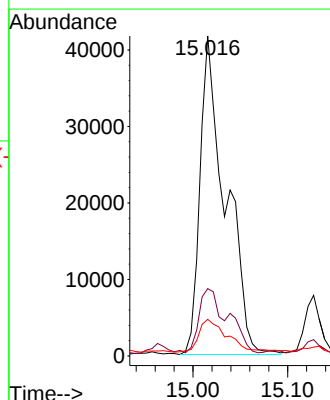
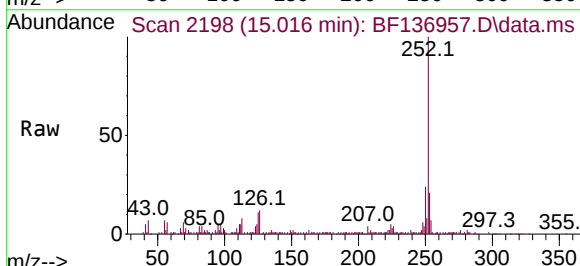
Tgt Ion:252 Resp: 78114

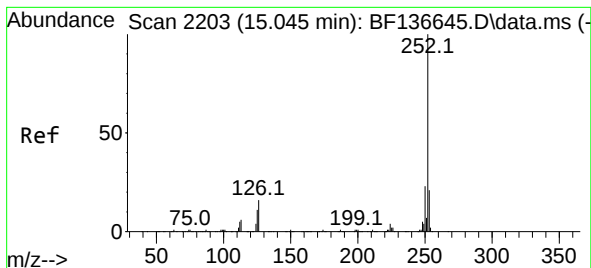
Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.0

125 11.4 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 10.966 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8

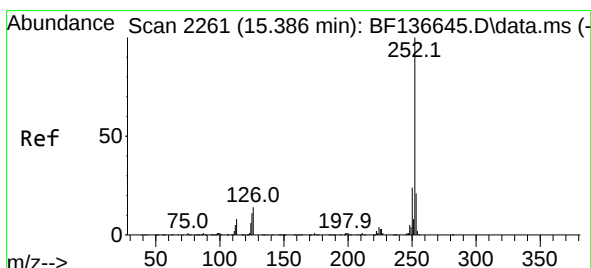
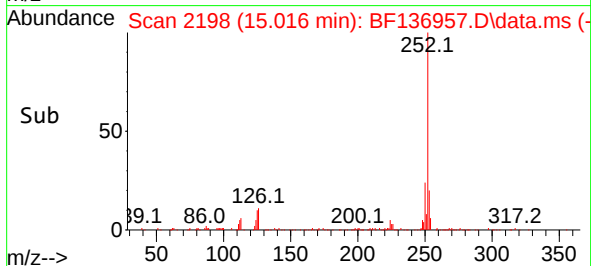
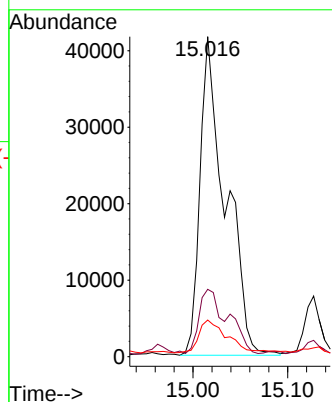
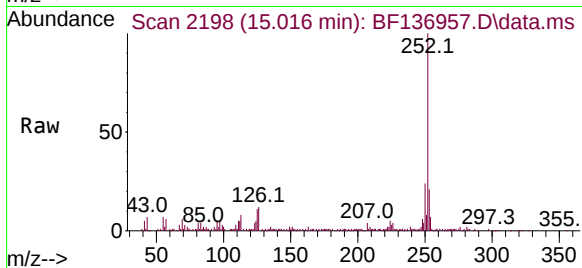
Tgt Ion:252 Resp: 78114

Ion Ratio Lower Upper

252 100

253 21.1 17.0 25.6

125 11.4 8.2 12.4



#90

Benzo(a)pyrene

Concen: 6.430 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136957.D

Acq: 04 Jan 2024 23:54

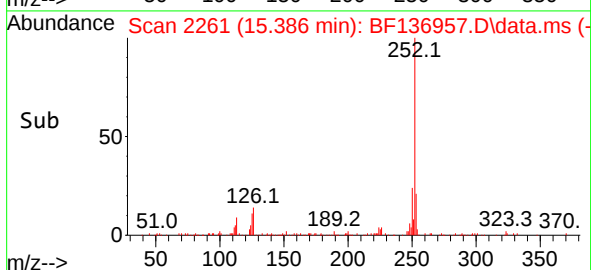
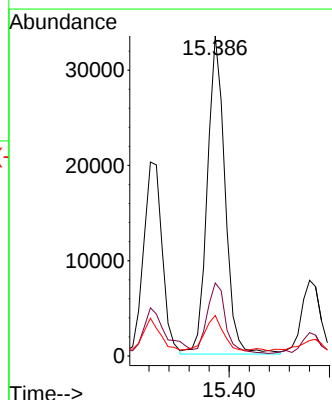
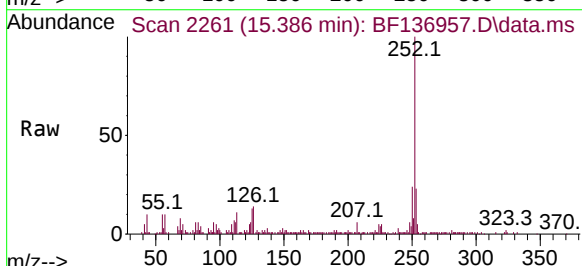
Tgt Ion:252 Resp: 40915

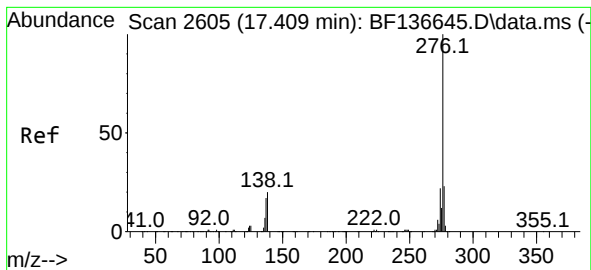
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.6

125 12.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.563 ng

RT: 17.421 min Scan# 2

Delta R.T. 0.012 min

Lab File: BF136957.D

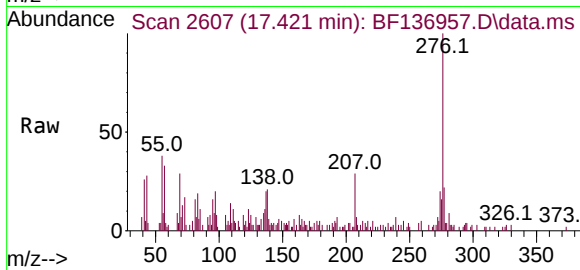
Acq: 04 Jan 2024 23:54

Instrument :

BNA\_F

ClientSampleId :

MR-323-6-8



Tgt Ion:276 Resp: 17548

Ion Ratio Lower Upper

276 100

277 22.1 18.3 27.5

138 21.3 15.6 23.4

