

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
 Data File : BF136952.D  
 Acq On : 04 Jan 2024 21:17  
 Operator : CG\JU  
 Sample : 06045-03  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-300-2.0-2.5

Quant Time: Jan 05 00:43:52 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

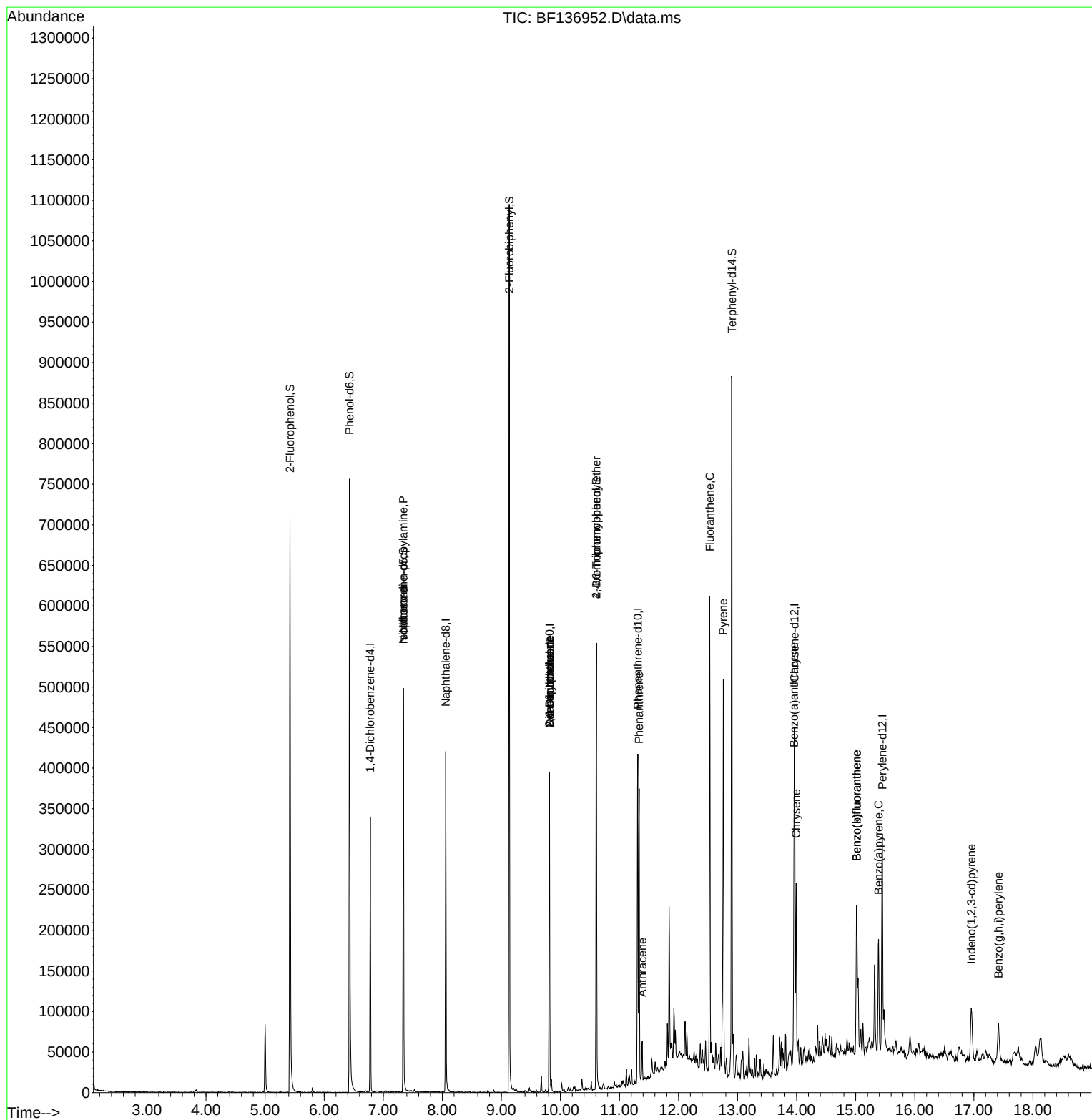
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 45018    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 166377   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 83372    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 155281   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.963 | 240  | 108453   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 124527   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 194102   | 67.274 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 243906   | 65.240 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.340  | 82   | 146531   | 45.067 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 65863    | 67.078 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 301793   | 48.686 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 320620   | 41.313 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.340  | 70   | 18630    | 8.220  | ng    | # 78     |
| 25) Isophorone                | 7.340  | 82   | 146529   | 24.767 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 16473    | 2.705  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 10582    | 7.657  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 10582    | 5.898  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 3998     | 2.318  | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 132659   | 16.650 | ng    | 98       |
| 72) Anthracene                | 11.386 | 178  | 19849    | 2.460  | ng    | 96       |
| 75) Fluoranthene              | 12.527 | 202  | 217625   | 25.535 | ng    | 98       |
| 78) Pyrene                    | 12.757 | 202  | 191279   | 17.966 | ng    | 100      |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 87089    | 11.564 | ng    | 98       |
| 83) Chrysene                  | 13.992 | 228  | 86357    | 11.726 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.957 | 276  | 43113    | 4.795  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 135996   | 16.351 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 135996   | 17.304 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 69996    | 9.970  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.415 | 276  | 40402    | 5.348  | ng    | # 93     |

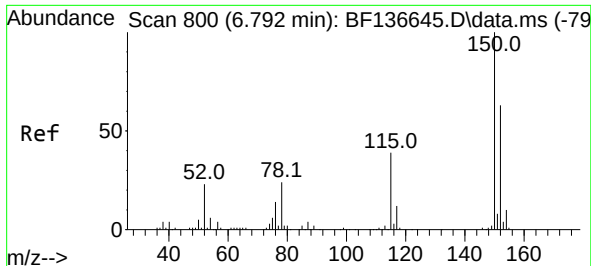
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
Data File : BF136952.D  
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Sample : 06045-03  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

Quant Time: Jan 05 00:43:52 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

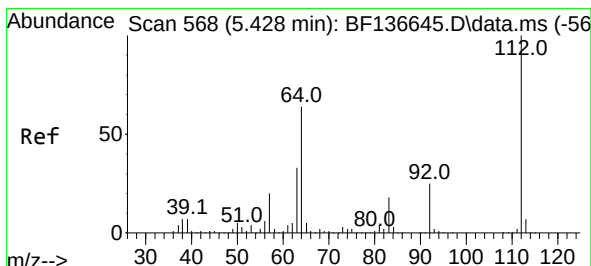
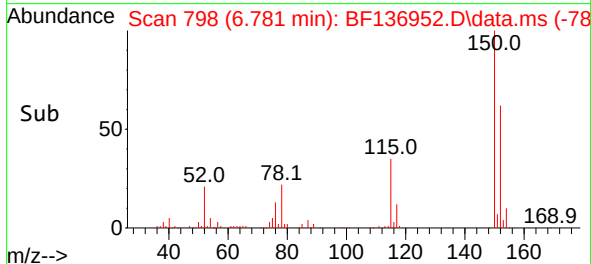
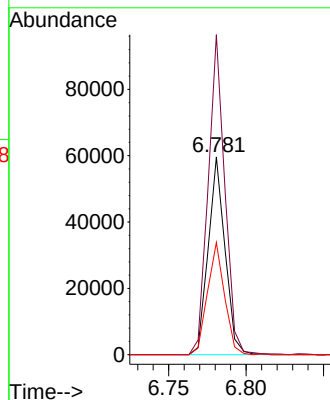
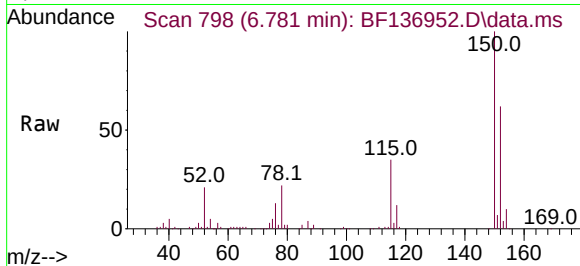




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

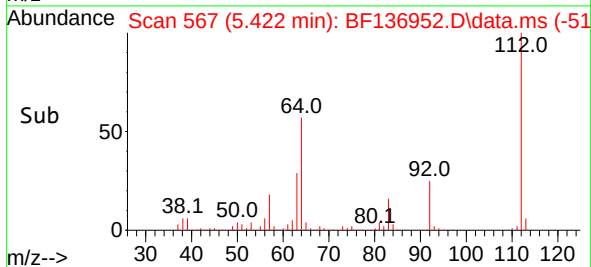
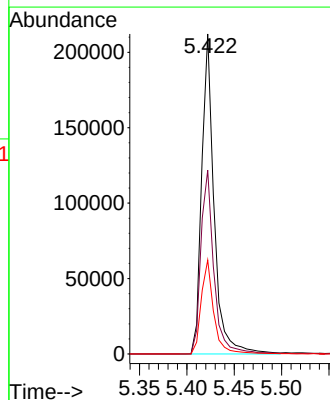
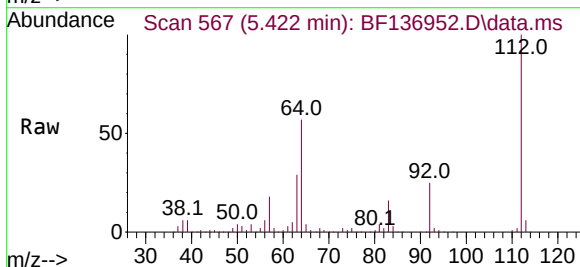
Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

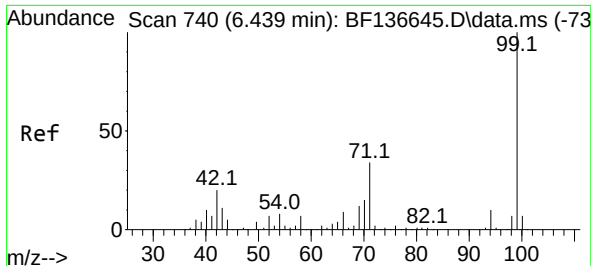
Tgt Ion:152 Resp: 45018  
Ion Ratio Lower Upper  
152 100  
150 161.8 127.0 190.6  
115 56.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 67.274 ng  
RT: 5.422 min Scan# 567  
Delta R.T. -0.006 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion:112 Resp: 194102  
Ion Ratio Lower Upper  
112 100  
64 57.5 51.1 76.7  
63 29.4 26.1 39.1

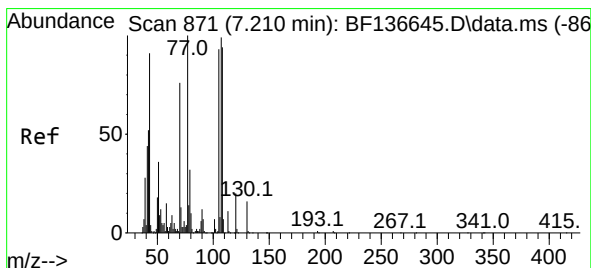
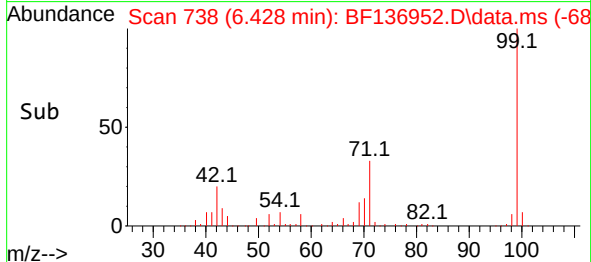
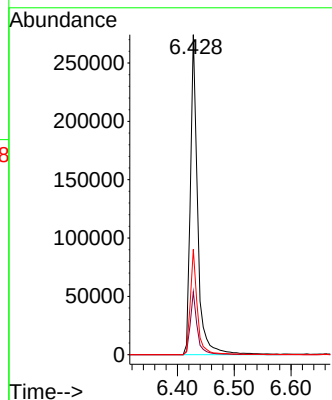
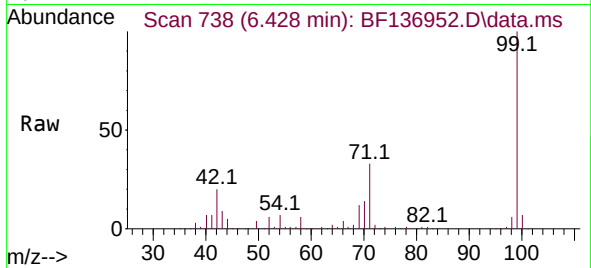




#7  
Phenol-d6  
Concen: 65.240 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

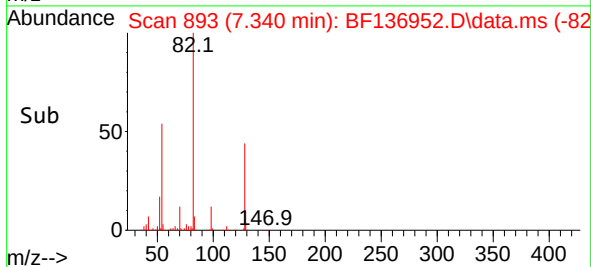
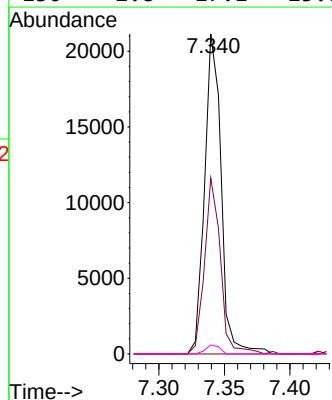
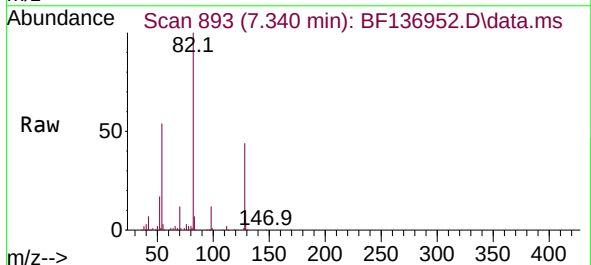
Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

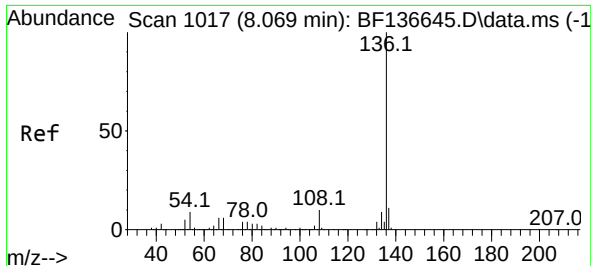
Tgt Ion: 99 Resp: 243906  
Ion Ratio Lower Upper  
99 100  
42 19.7 16.1 24.1  
71 32.9 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 8.220 ng  
RT: 7.340 min Scan# 893  
Delta R.T. 0.130 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion: 70 Resp: 18630  
Ion Ratio Lower Upper  
70 100  
42 55.0 54.2 81.4  
101 0.0 7.6 11.4#  
130 2.8 17.1 25.7#



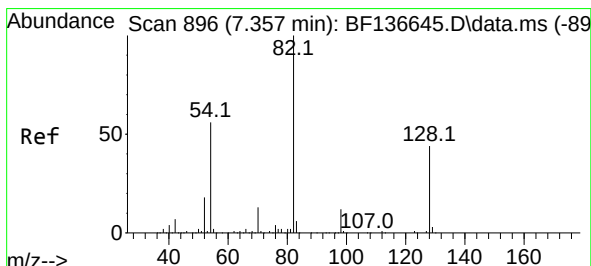
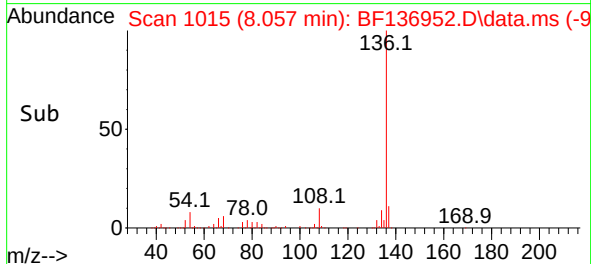
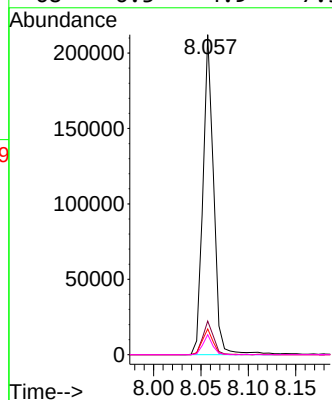
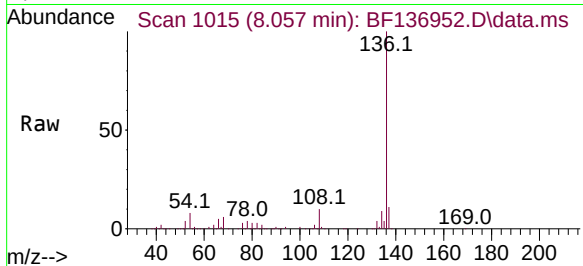


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1017  
Delta R.T. -0.012 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

Tgt Ion:136 Resp: 166377

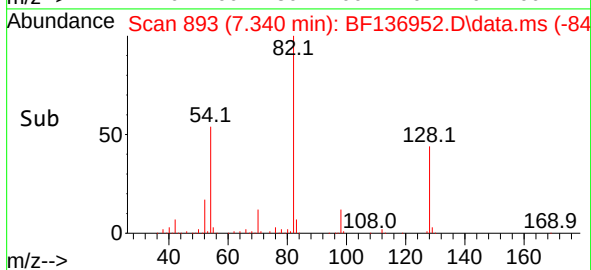
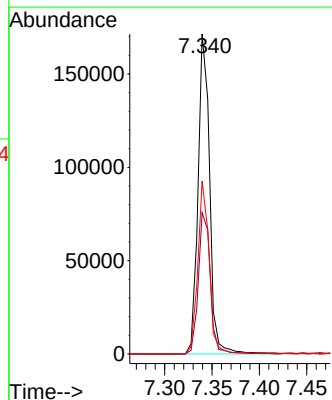
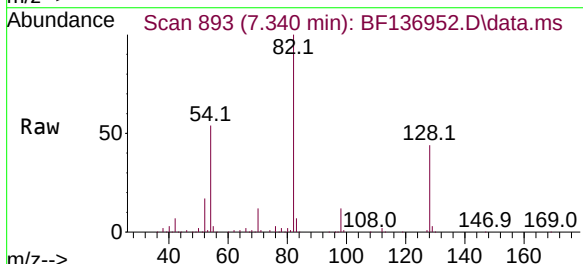
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.5  | 9.0   | 13.4  |
| 54  | 8.1   | 7.2   | 10.8  |
| 68  | 6.3   | 4.9   | 7.3   |

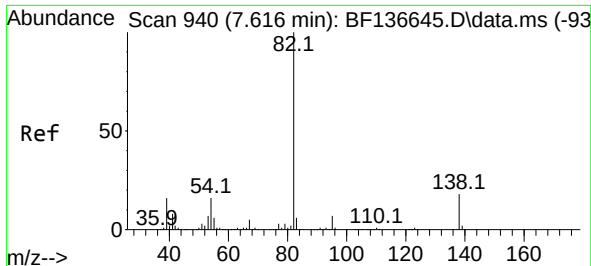


#23  
Nitrobenzene-d5  
Concen: 45.067 ng  
RT: 7.340 min Scan# 893  
Delta R.T. -0.017 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion: 82 Resp: 146531

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.2  | 35.3  | 52.9  |
| 54  | 54.0  | 44.5  | 66.7  |

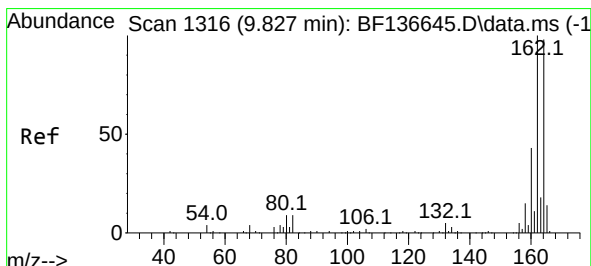
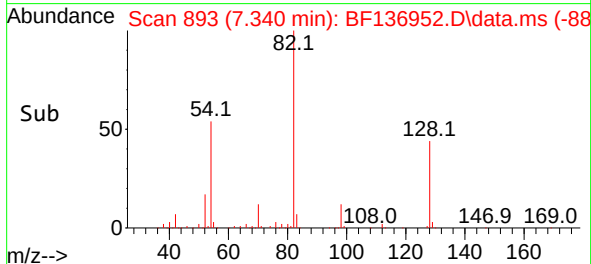
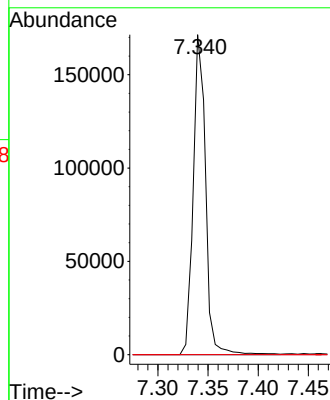
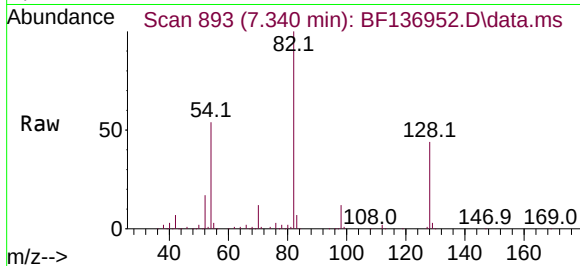




#25  
Isophorone  
Concen: 24.767 ng  
RT: 7.340 min Scan# 89  
Delta R.T. -0.276 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

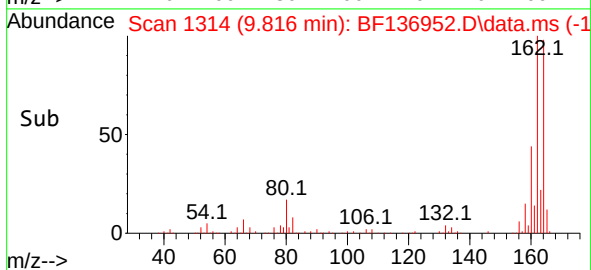
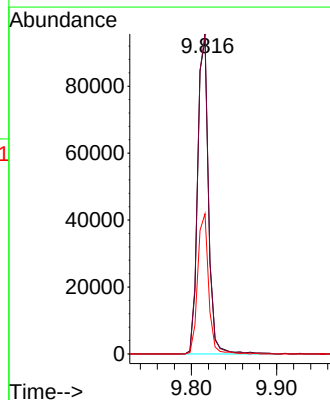
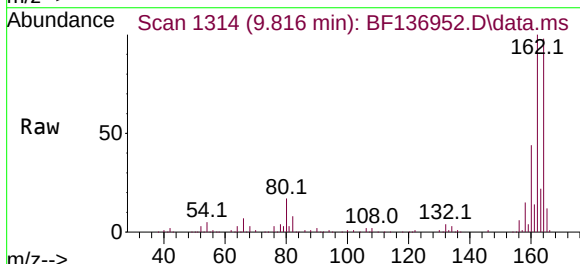
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ClientSampleId :  
MR-300-2.0-2.5

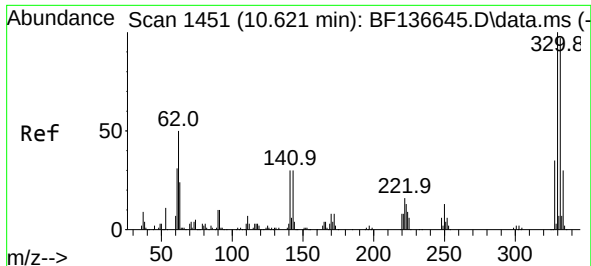
Tgt Ion: 82 Resp: 146529  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion: 164 Resp: 83372  
Ion Ratio Lower Upper  
164 100  
162 101.7 81.6 122.4  
160 44.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 67.078 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

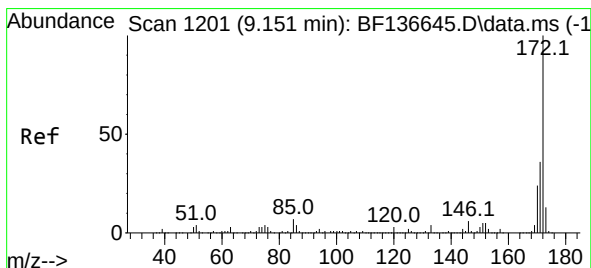
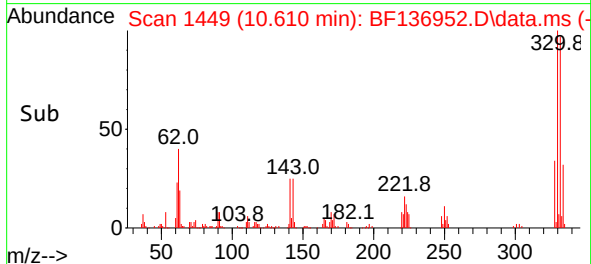
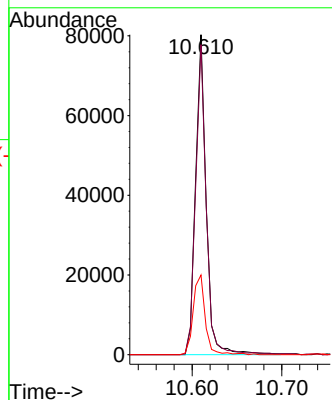
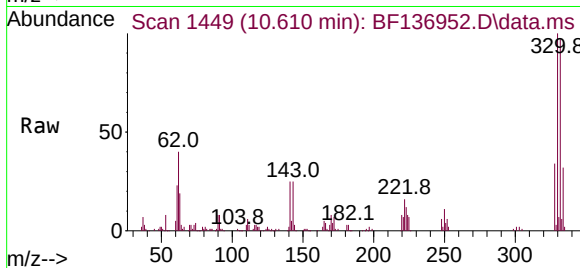
Tgt Ion:330 Resp: 65863

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 28.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 48.686 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

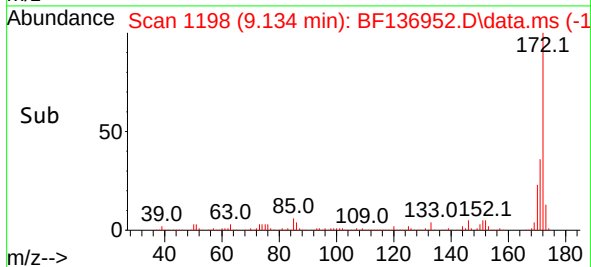
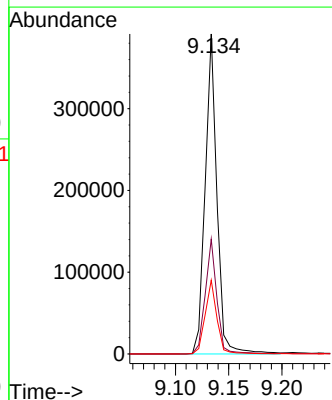
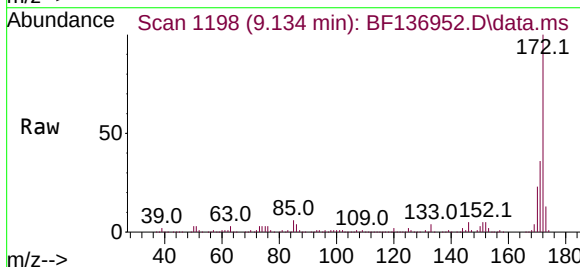
Tgt Ion:172 Resp: 301793

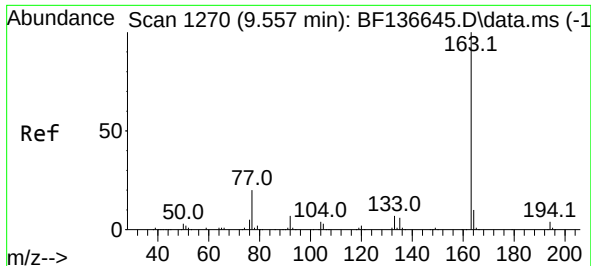
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 23.1 19.0 28.4

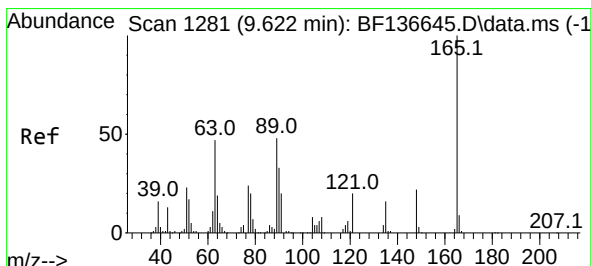
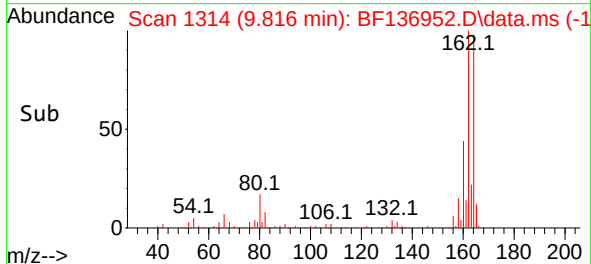
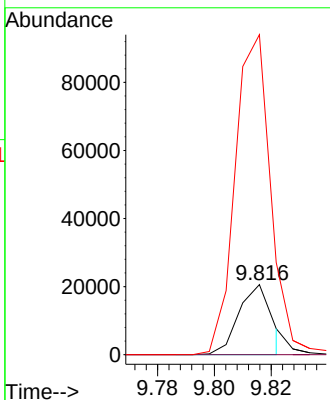
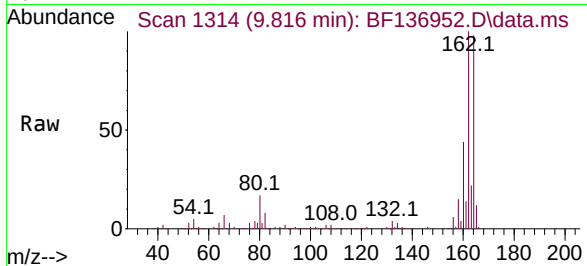




#50  
Dimethylphthalate  
Concen: 2.705 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

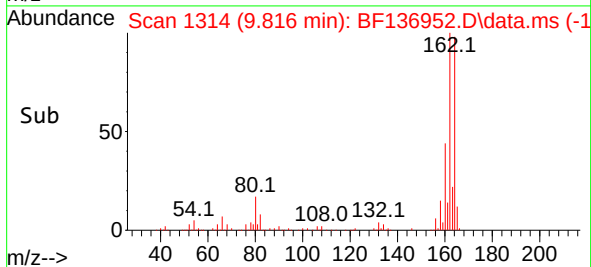
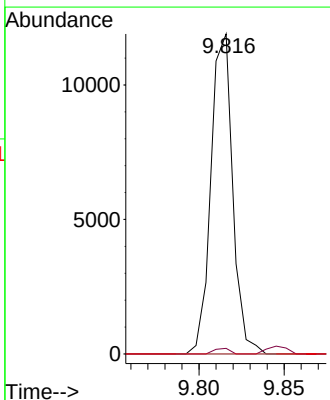
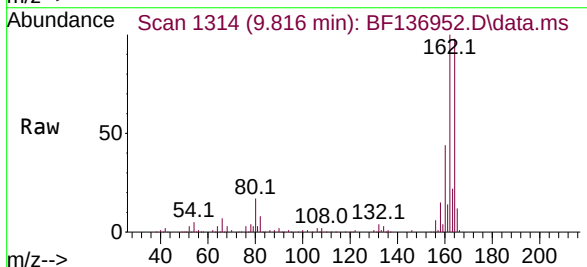
Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

Tgt Ion:163 Resp: 16473  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 457.1 7.8 11.6#

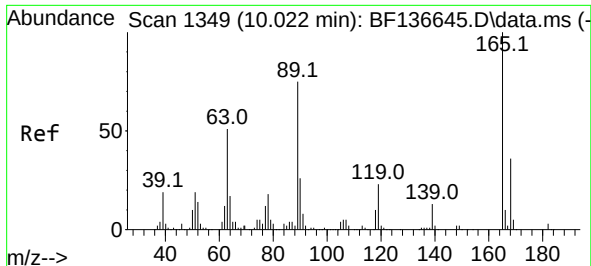


#51  
2,6-Dinitrotoluene  
Concen: 7.657 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion:165 Resp: 10582  
Ion Ratio Lower Upper  
165 100  
63 1.7 39.8 59.6#  
89 0.0 38.8 58.2#



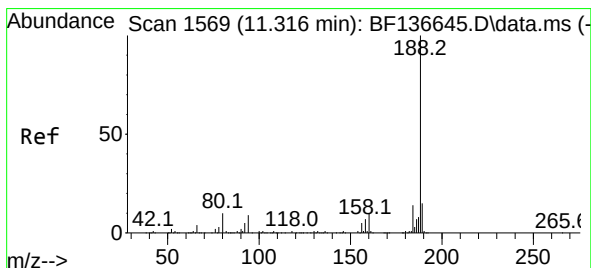
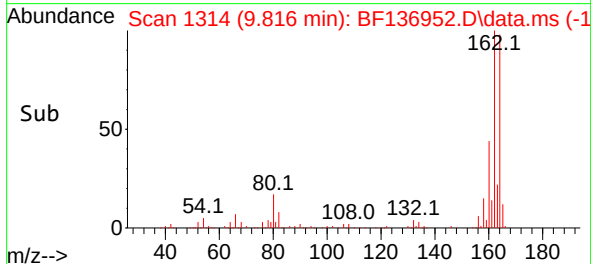
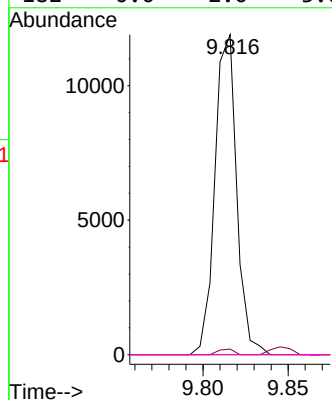
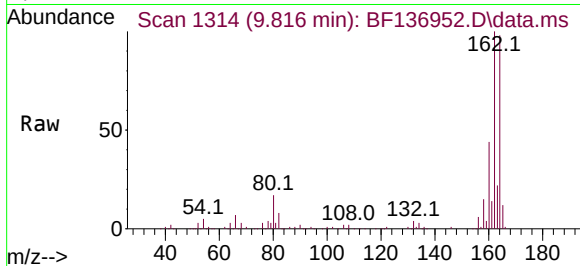




#57  
2,4-Dinitrotoluene  
Concen: 5.898 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

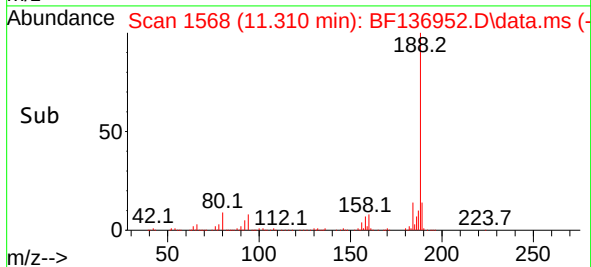
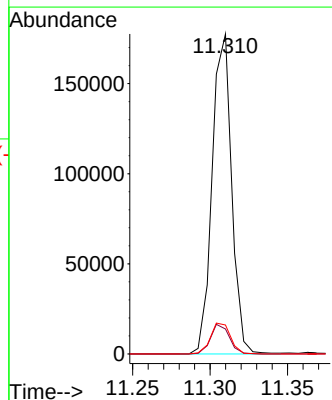
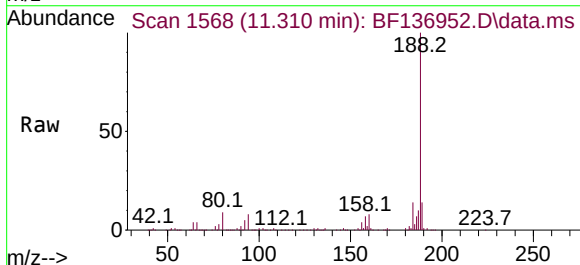
Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

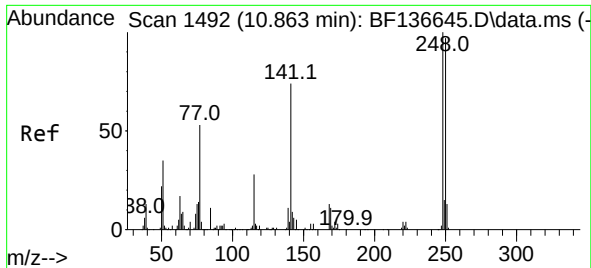
Tgt Ion:165 Resp: 10582  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.0 61.6#  
89 0.0 59.9 89.9#  
182 0.0 2.0 3.0#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion:188 Resp: 155281  
Ion Ratio Lower Upper  
188 100  
94 7.8 7.5 11.3  
80 9.1 8.1 12.1

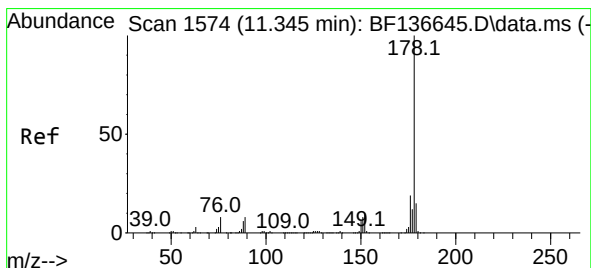
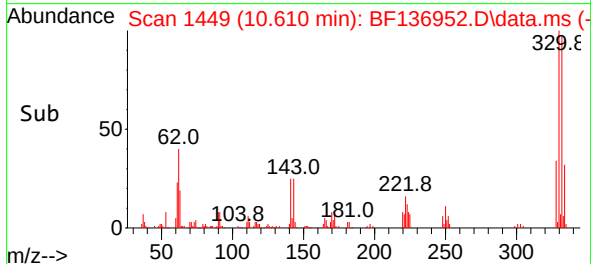
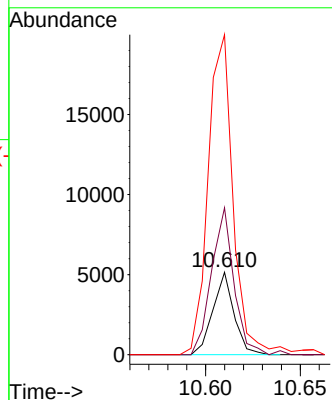
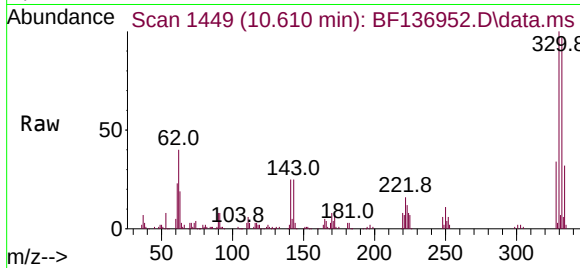




#67  
4-Bromophenyl-phenylether  
Concen: 2.318 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

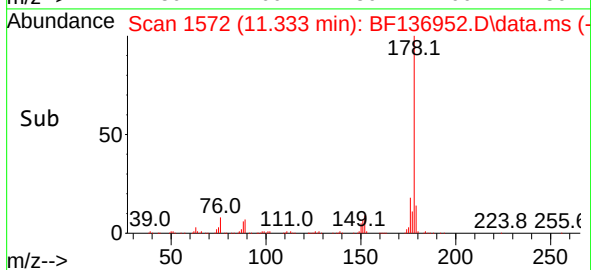
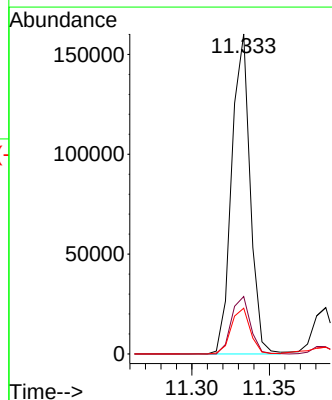
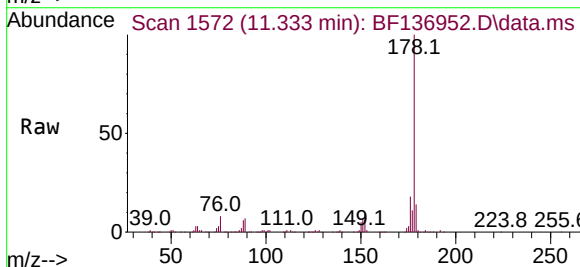
Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5

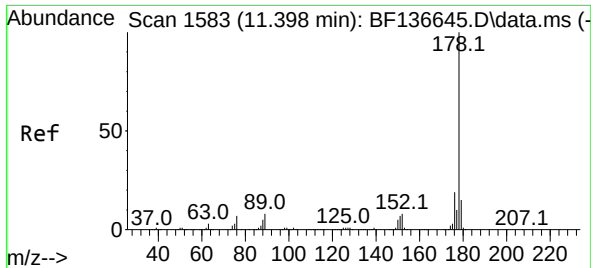
Tgt Ion:248 Resp: 3998  
Ion Ratio Lower Upper  
248 100  
250 178.3 77.8 116.6#  
141 388.4 59.2 88.8#



#71  
Phenanthrene  
Concen: 16.650 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Tgt Ion:178 Resp: 132659  
Ion Ratio Lower Upper  
178 100  
176 18.0 15.3 22.9  
179 14.3 11.9 17.9

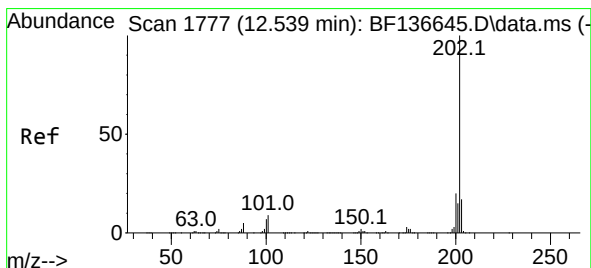
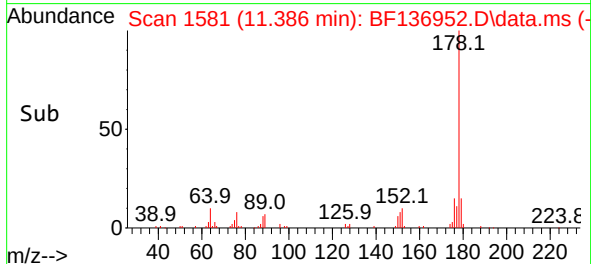
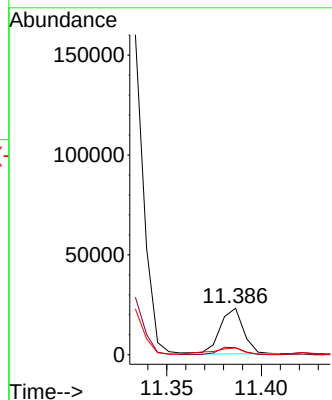
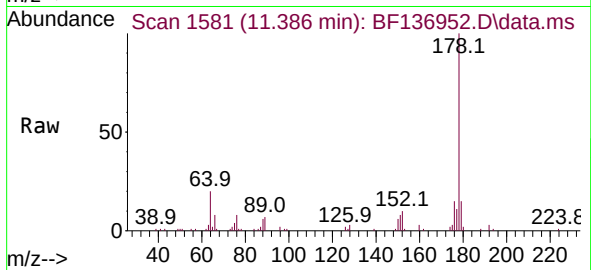




#72  
 Anthracene  
 Concen: 2.460 ng  
 RT: 11.386 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF136952.D  
 Acq: 04 Jan 2024 21:17

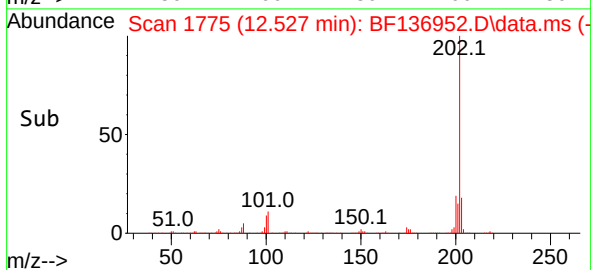
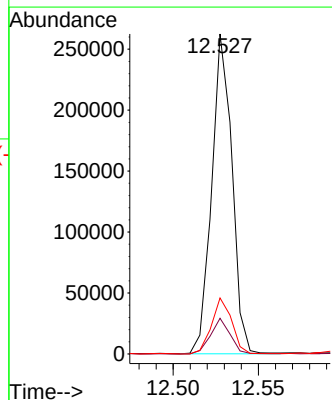
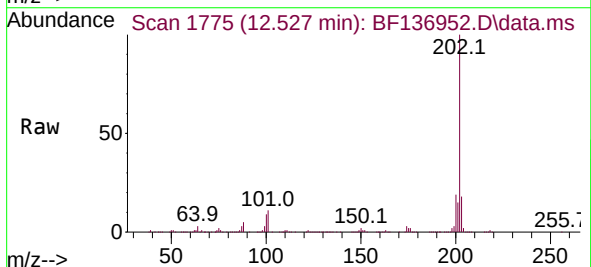
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-300-2.0-2.5

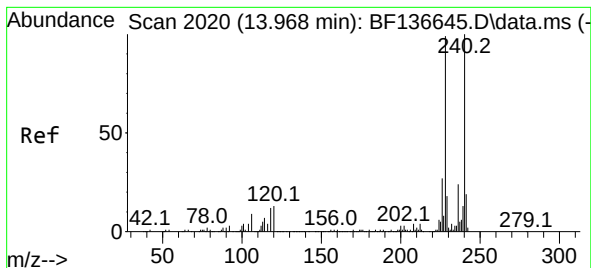
Tgt Ion:178 Resp: 19849  
 Ion Ratio Lower Upper  
 178 100  
 176 15.2 14.9 22.3  
 179 14.6 11.8 17.6



#75  
 Fluoranthene  
 Concen: 25.535 ng  
 RT: 12.527 min Scan# 1775  
 Delta R.T. -0.012 min  
 Lab File: BF136952.D  
 Acq: 04 Jan 2024 21:17

Tgt Ion:202 Resp: 217625  
 Ion Ratio Lower Upper  
 202 100  
 101 11.2 0.0 29.3  
 203 17.5 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

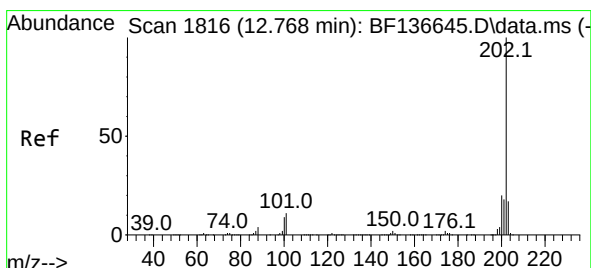
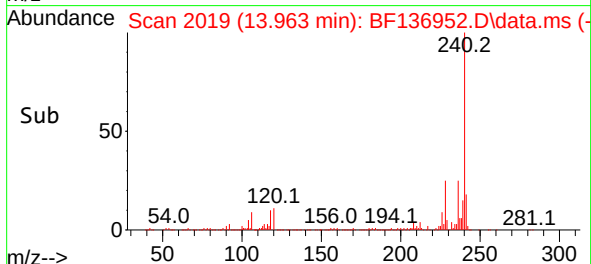
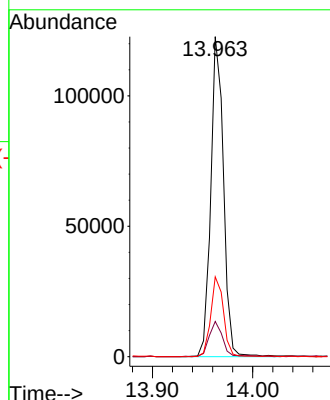
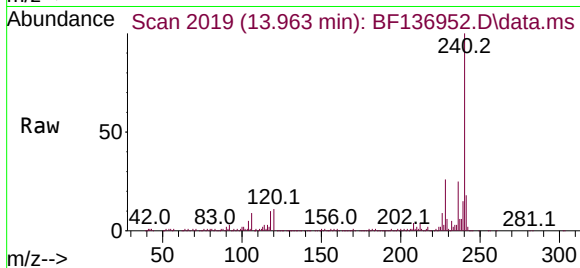
Tgt Ion:240 Resp: 108453

Ion Ratio Lower Upper

240 100

120 11.0 10.3 15.5

236 24.9 19.4 29.2



#78

Pyrene

Concen: 17.966 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

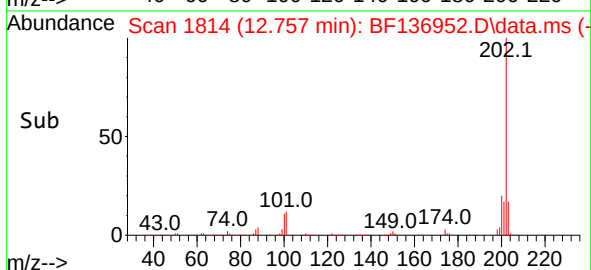
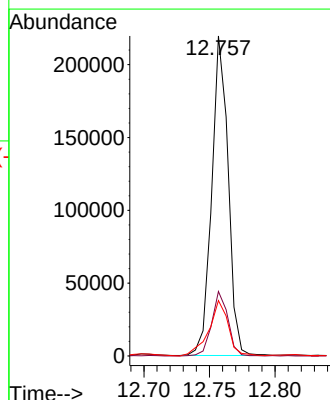
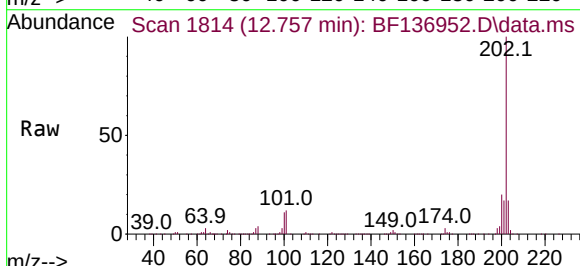
Tgt Ion:202 Resp: 191279

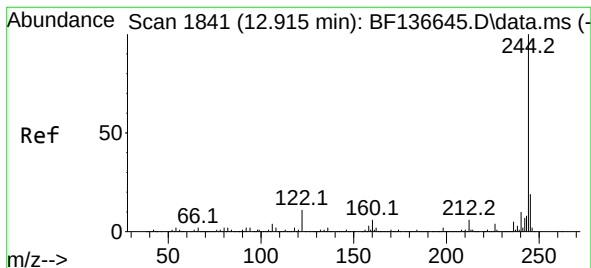
Ion Ratio Lower Upper

202 100

200 20.2 15.9 23.9

203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 41.313 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

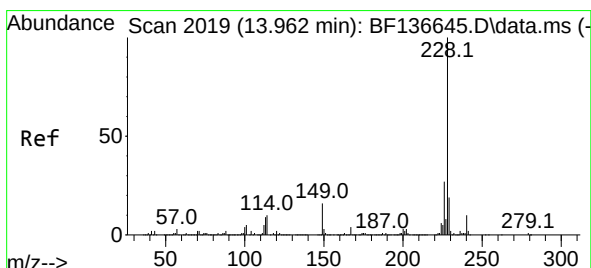
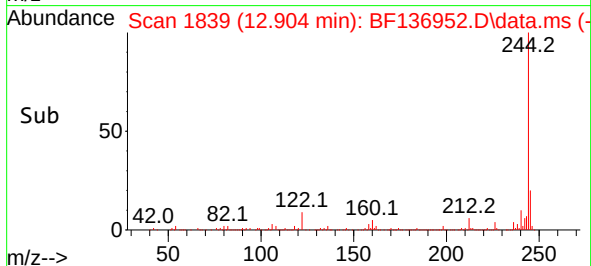
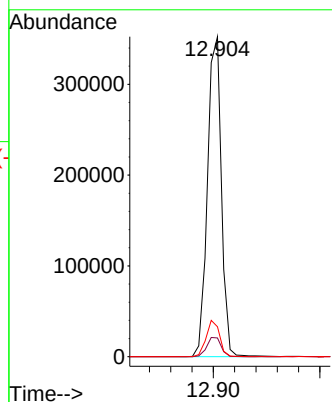
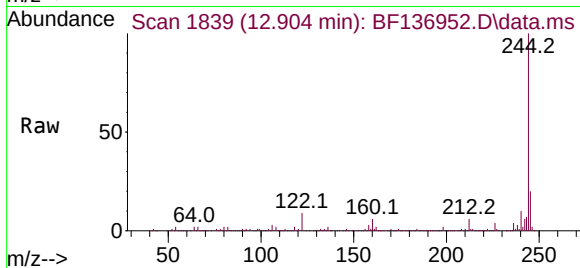
Tgt Ion:244 Resp: 320620

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.4

122 9.3 9.0 13.4



#81

Benzo(a)anthracene

Concen: 11.564 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

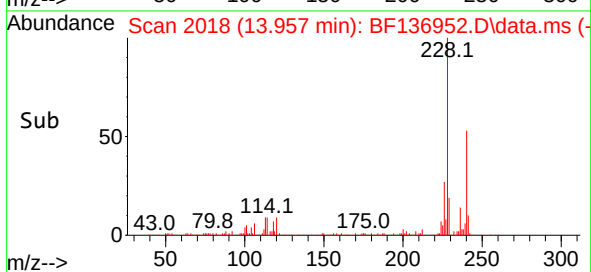
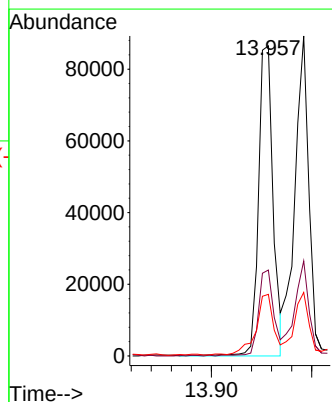
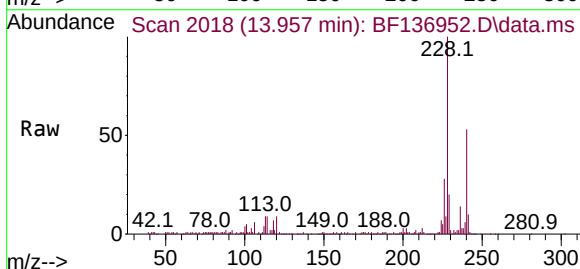
Tgt Ion:228 Resp: 87089

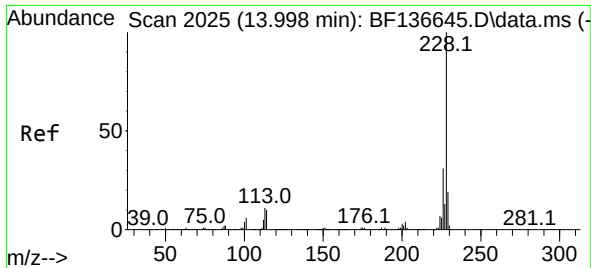
Ion Ratio Lower Upper

228 100

226 27.7 21.4 32.0

229 19.9 14.9 22.3





#83

Chrysene

Concen: 11.726 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

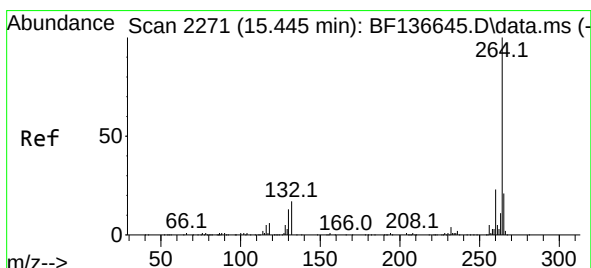
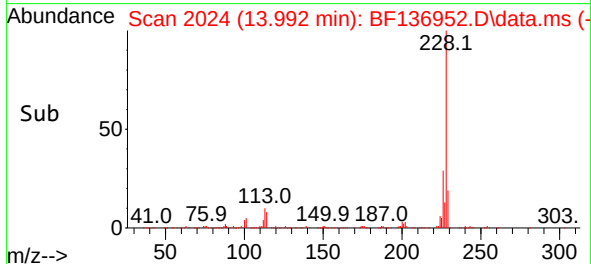
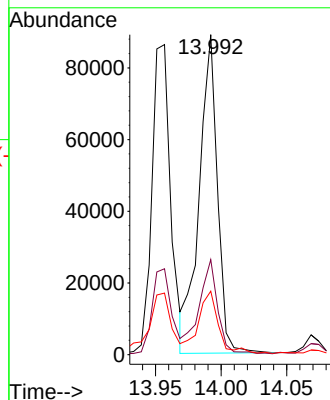
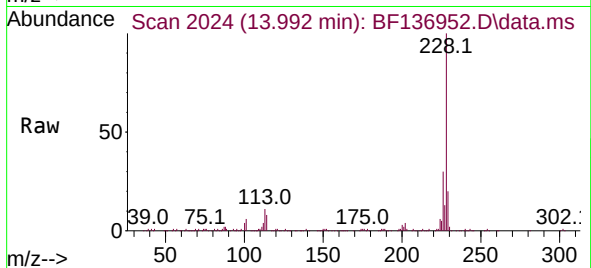
Tgt Ion:228 Resp: 86357

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

229 19.8 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: BF136952.D

Acq: 04 Jan 2024 21:17

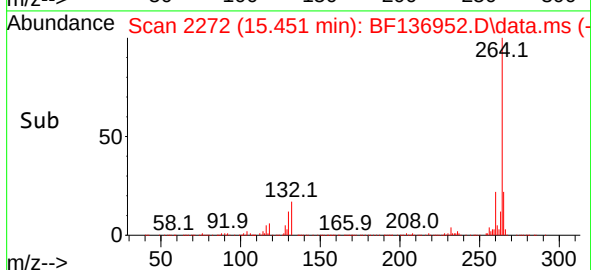
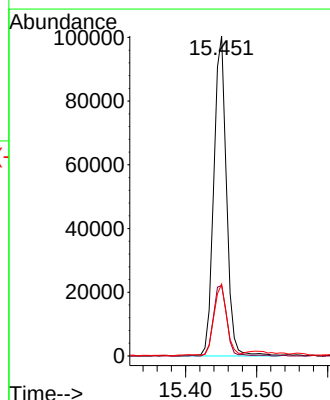
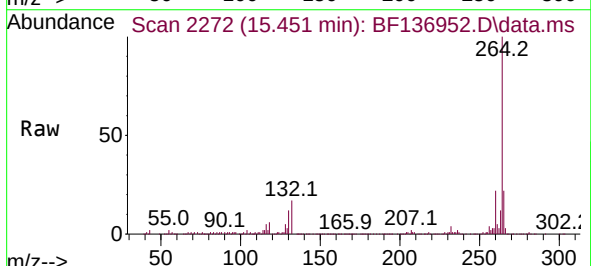
Tgt Ion:264 Resp: 124527

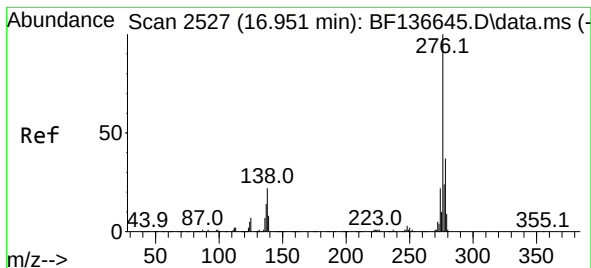
Ion Ratio Lower Upper

264 100

260 22.0 18.3 27.5

265 22.5 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.795 ng

RT: 16.957 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

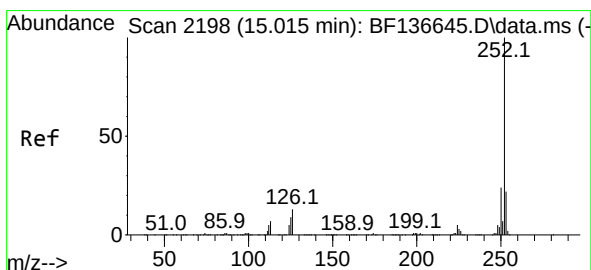
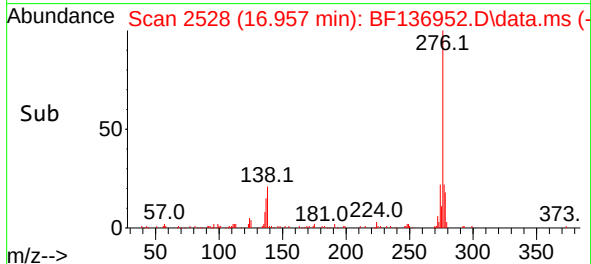
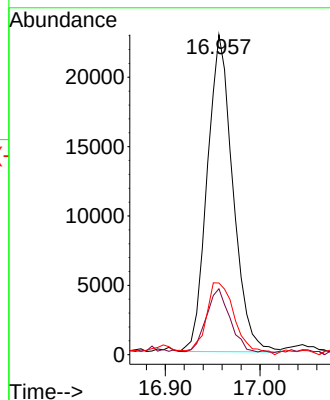
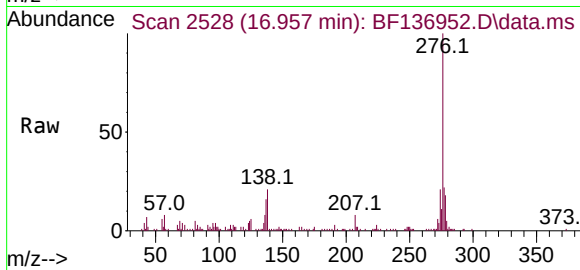
Tgt Ion:276 Resp: 43113

Ion Ratio Lower Upper

276 100

138 19.6 18.7 28.1

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 16.351 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

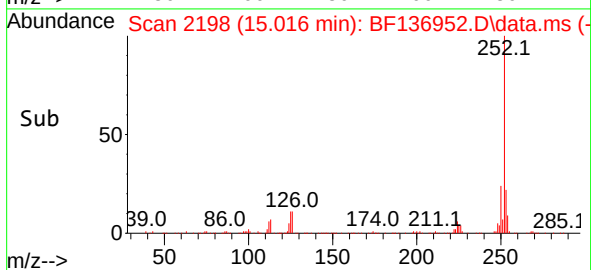
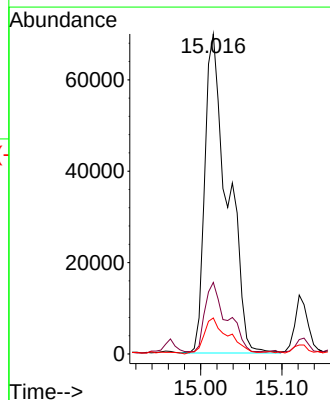
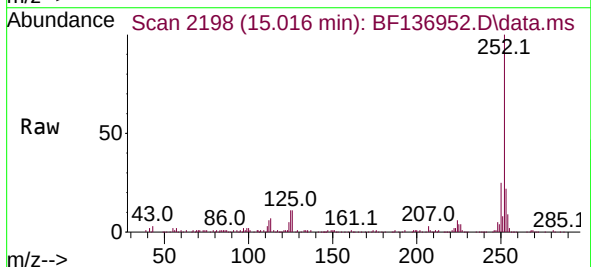
Tgt Ion:252 Resp: 135996

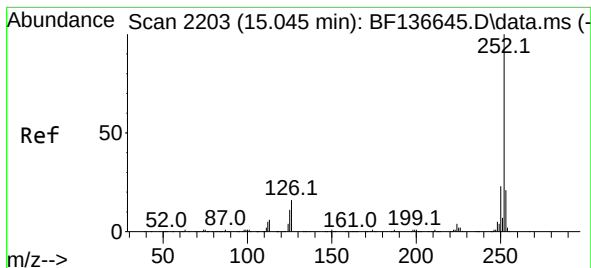
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 17.304 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

Instrument :

BNA\_F

ClientSampleId :

MR-300-2.0-2.5

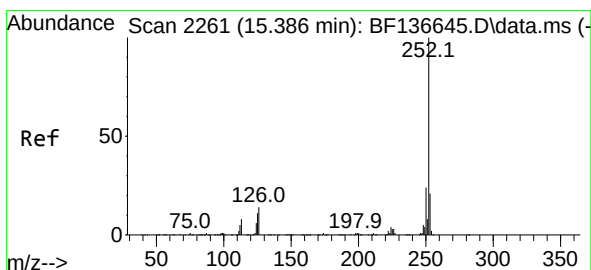
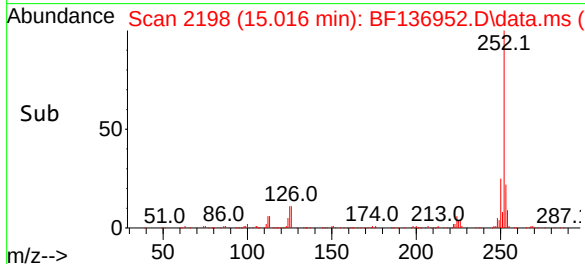
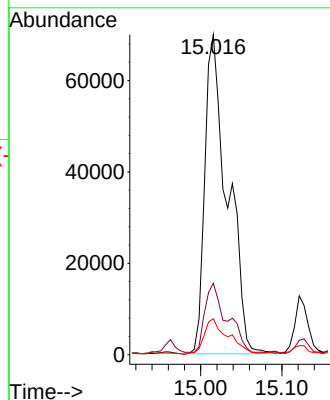
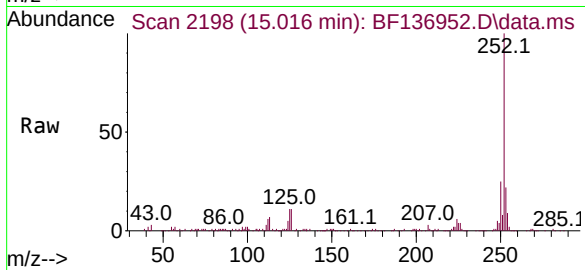
Tgt Ion:252 Resp: 135996

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 11.2 8.2 12.4



#90

Benzo(a)pyrene

Concen: 9.970 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136952.D

Acq: 04 Jan 2024 21:17

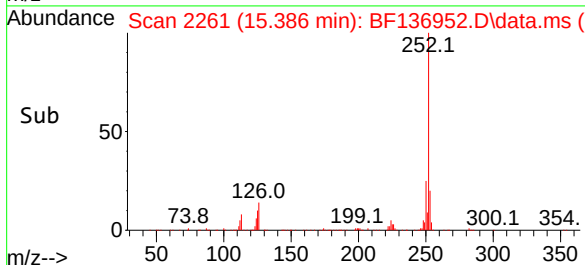
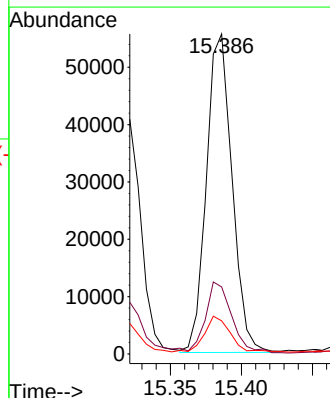
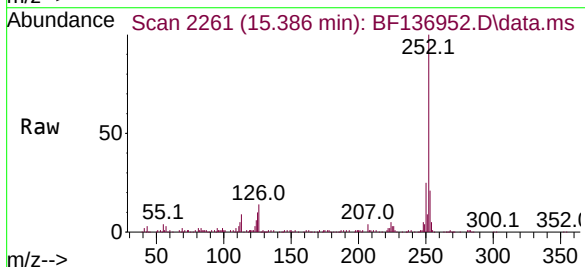
Tgt Ion:252 Resp: 69996

Ion Ratio Lower Upper

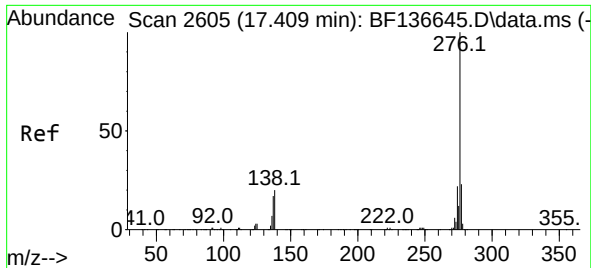
252 100

253 21.0 17.0 25.6

125 10.4 8.8 13.2

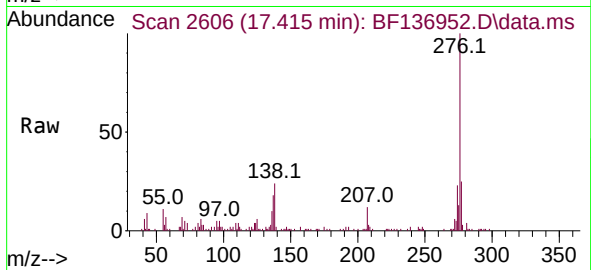






#92  
Benzo(g,h,i)perylene  
Concen: 5.348 ng  
RT: 17.415 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF136952.D  
Acq: 04 Jan 2024 21:17

Instrument :  
BNA\_F  
ClientSampleId :  
MR-300-2.0-2.5



Tgt Ion:276 Resp: 40402  
Ion Ratio Lower Upper  
276 100  
277 24.6 18.3 27.5  
138 24.1 15.6 23.4#

