

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
 Data File : BF136956.D  
 Acq On : 04 Jan 2024 23:23  
 Operator : CG\JU  
 Sample : 06015-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-323-0-2

Quant Time: Jan 05 00:45:28 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

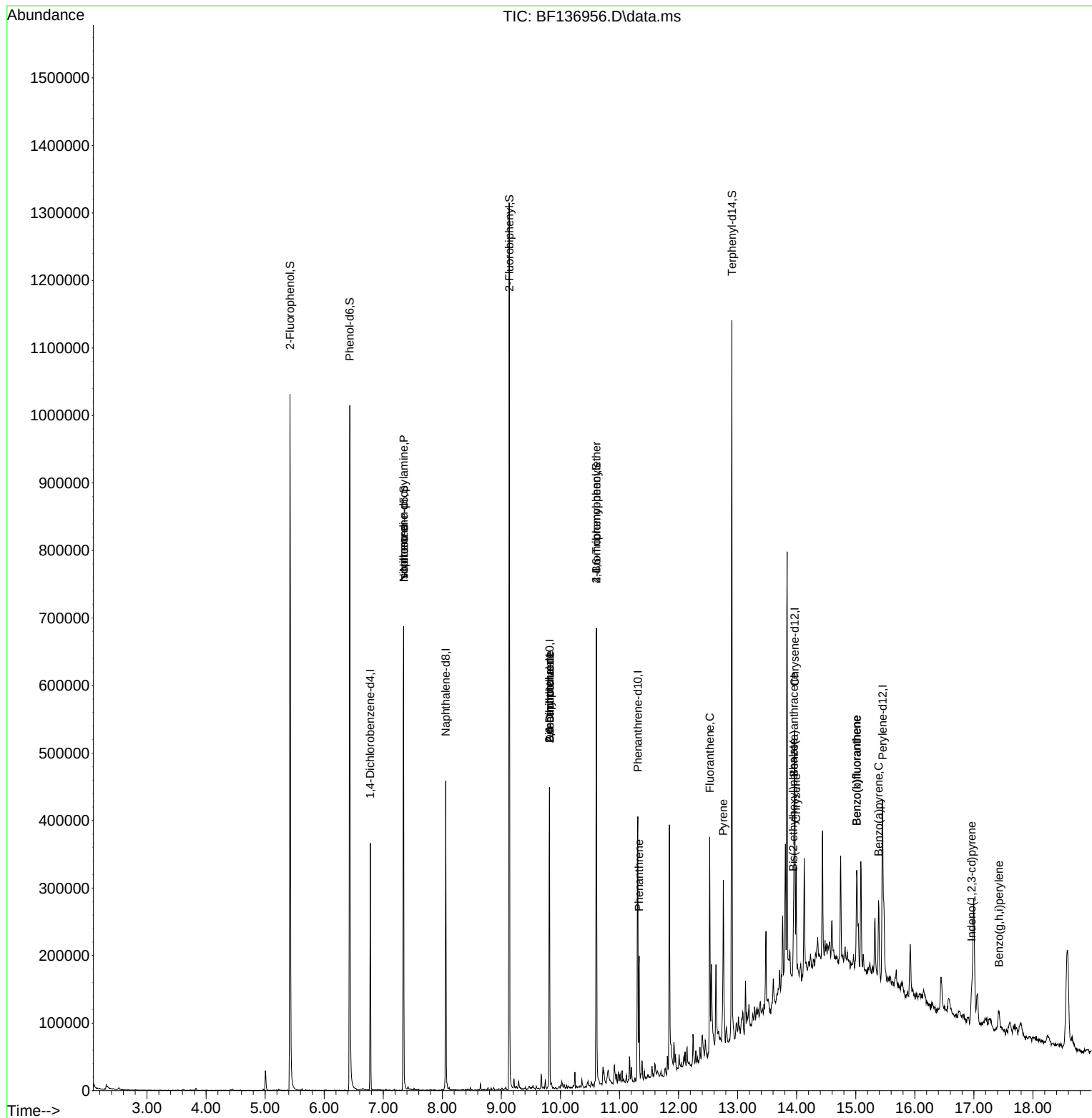
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 47240    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 174029   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 85849    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 148136   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.968 | 240  | 112410   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 127354   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 273399   | 90.301 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 338786   | 86.357 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 201381   | 59.214 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 81174    | 80.286 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 374142   | 58.616 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 352075   | 43.770 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 25662    | 10.791 | ng    | # 74     |
| 25) Isophorone                | 7.345  | 82   | 201378   | 32.542 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 17583    | 2.804  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 10874    | 7.641  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 10874    | 5.886  | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 4999     | 3.039  | ng    | # 1      |
| 71) Phenanthrene              | 11.333 | 178  | 69075    | 9.088  | ng    | 97       |
| 75) Fluoranthene              | 12.527 | 202  | 120209   | 14.785 | ng    | 98       |
| 78) Pyrene                    | 12.757 | 202  | 98302    | 8.908  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 55216    | 7.074  | ng    | 92       |
| 83) Chrysene                  | 13.992 | 228  | 58905    | 7.717  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 17011    | 3.367  | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 30626    | 3.331  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 110745   | 13.020 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 110745   | 13.779 | ng    | # 95     |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 51995    | 7.242  | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 27434    | 3.551  | ng    | # 91     |
| -----                         |        |      |          |        |       |          |

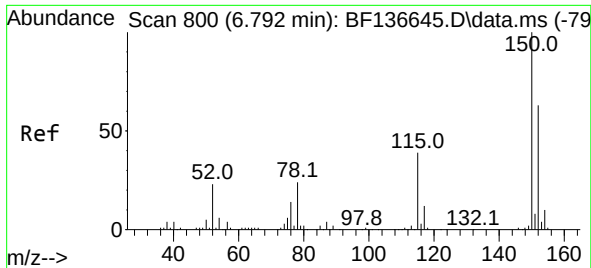
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
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ALS Vial : 14 Sample Multiplier: 1

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Quant Time: Jan 05 00:45:28 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

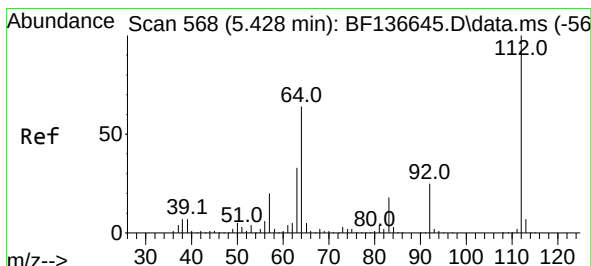
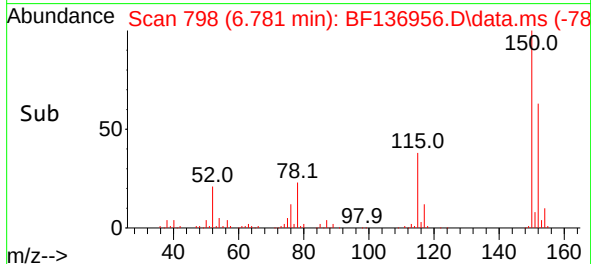
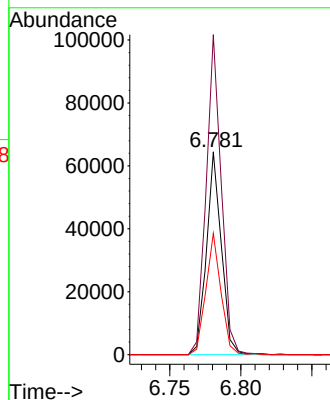
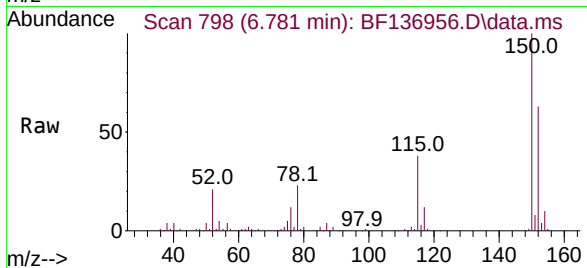




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

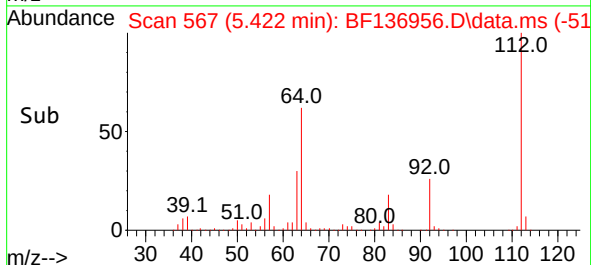
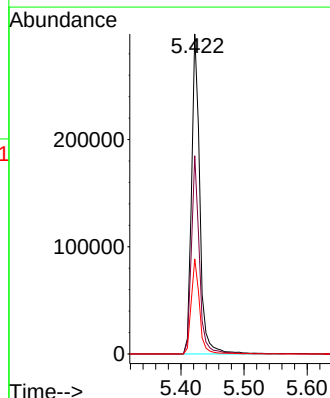
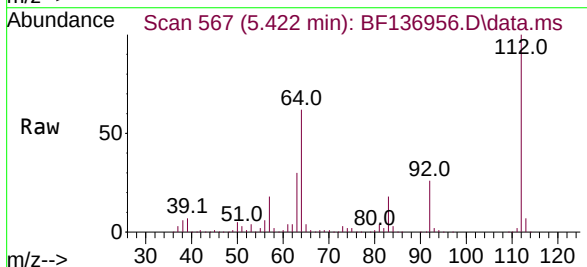
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

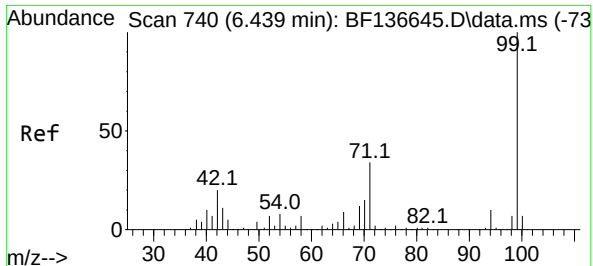
Tgt Ion:152 Resp: 47240  
Ion Ratio Lower Upper  
152 100  
150 157.7 127.0 190.6  
115 59.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 90.301 ng  
RT: 5.422 min Scan# 567  
Delta R.T. -0.006 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

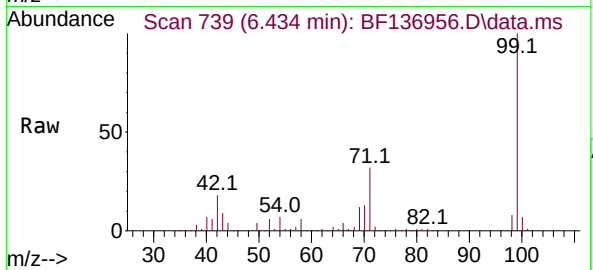
Tgt Ion:112 Resp: 273399  
Ion Ratio Lower Upper  
112 100  
64 61.9 51.1 76.7  
63 29.7 26.1 39.1





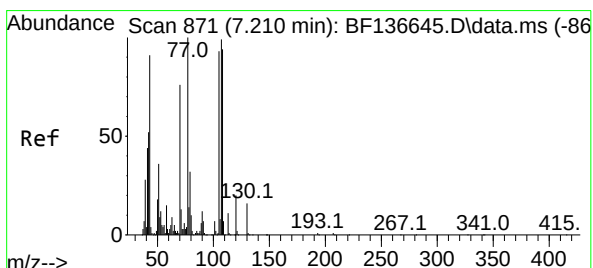
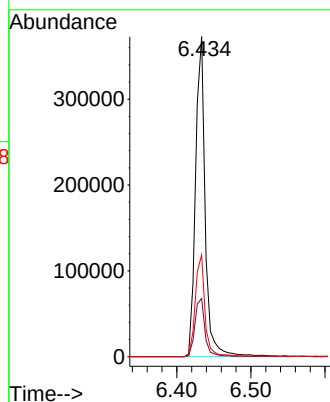
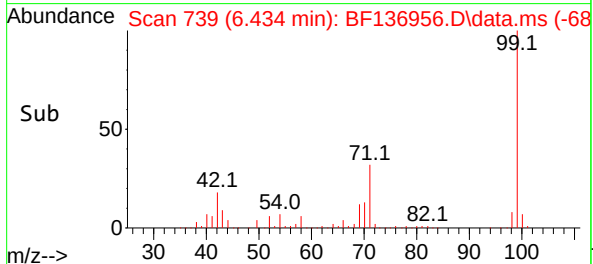
#7  
Phenol-d6  
Concen: 86.357 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

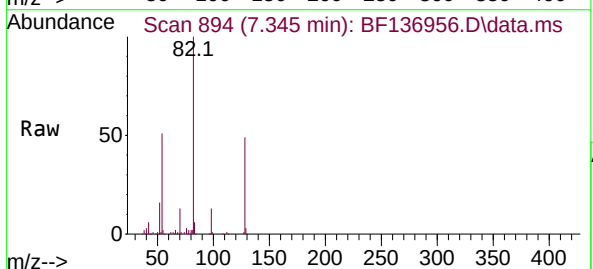


Tgt Ion: 99 Resp: 338786

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.2  | 16.1  | 24.1  |
| 71  | 31.8  | 27.4  | 41.2  |

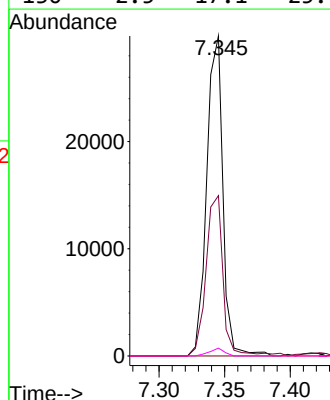
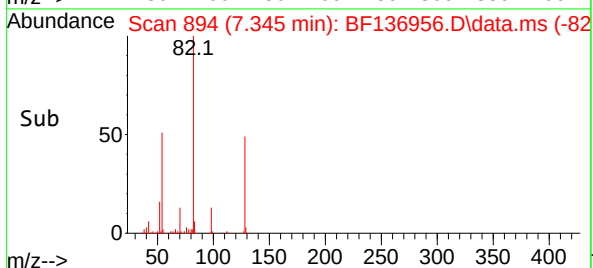


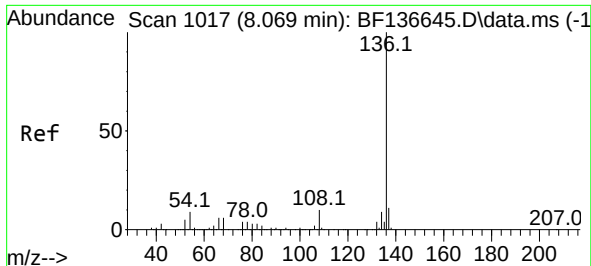
#19  
n-Nitroso-di-n-propylamine  
Concen: 10.791 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.135 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23



Tgt Ion: 70 Resp: 25662

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 50.1  | 54.2  | 81.4# |
| 101 | 0.0   | 7.6   | 11.4# |
| 130 | 2.5   | 17.1  | 25.7# |



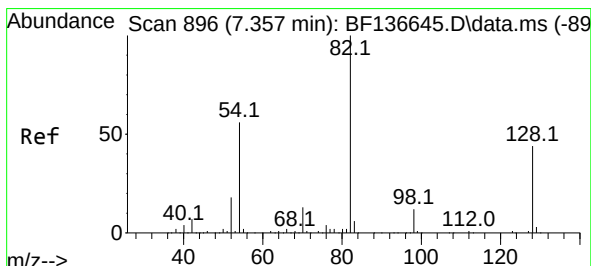
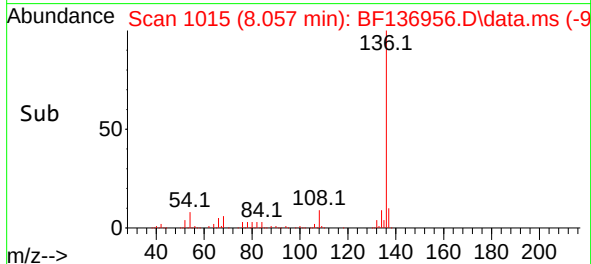
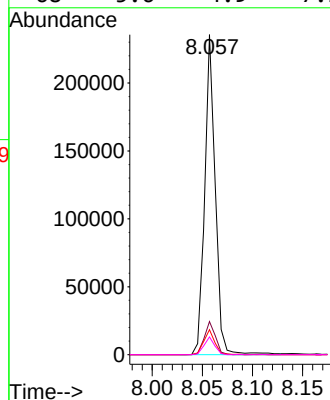
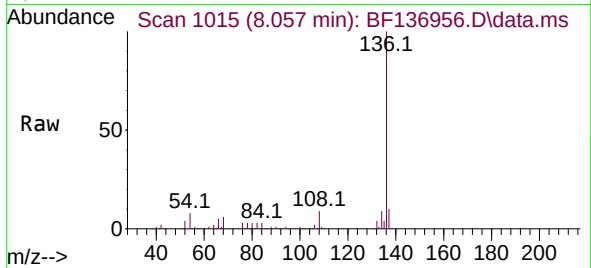


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

Tgt Ion:136 Resp: 174029

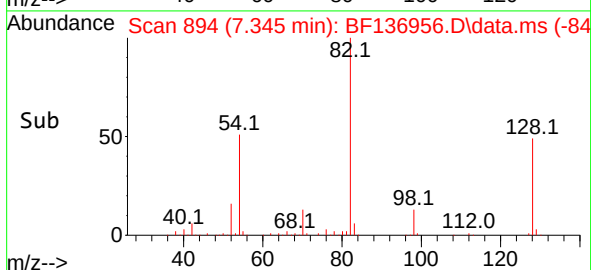
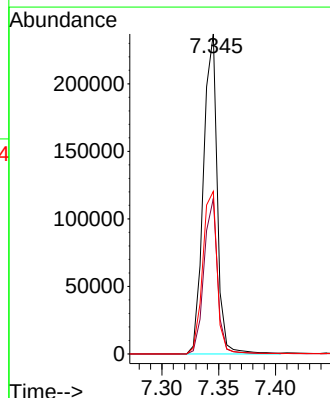
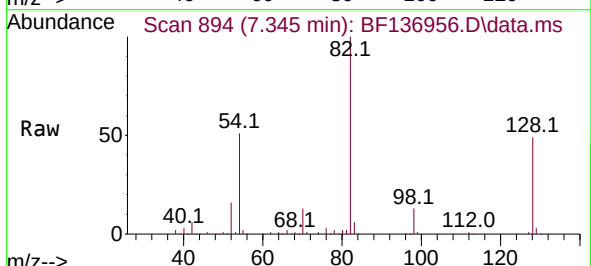
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.4  | 9.0   | 13.4  |
| 54  | 7.8   | 7.2   | 10.8  |
| 68  | 5.6   | 4.9   | 7.3   |

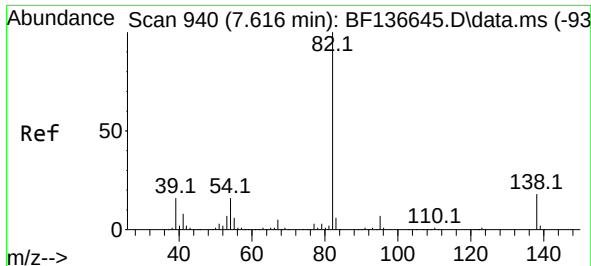


#23  
Nitrobenzene-d5  
Concen: 59.214 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion: 82 Resp: 201381

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.6  | 35.3  | 52.9  |
| 54  | 50.8  | 44.5  | 66.7  |

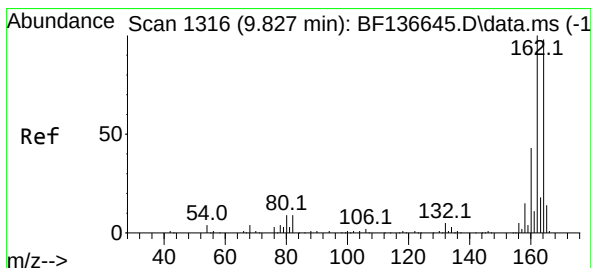
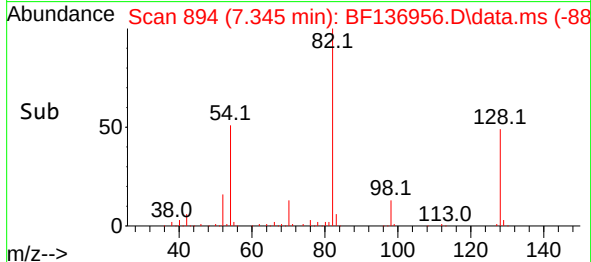
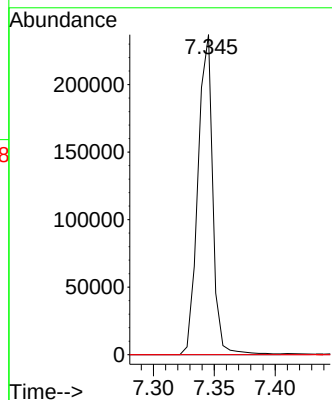
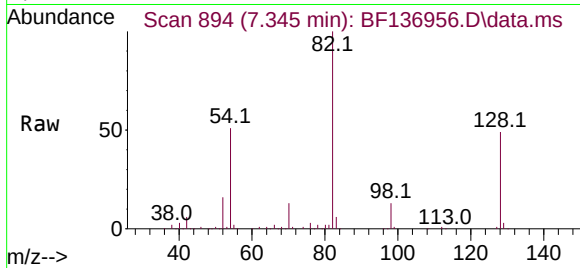




#25  
Isophorone  
Concen: 32.542 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

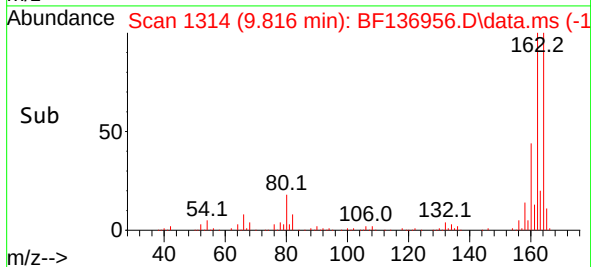
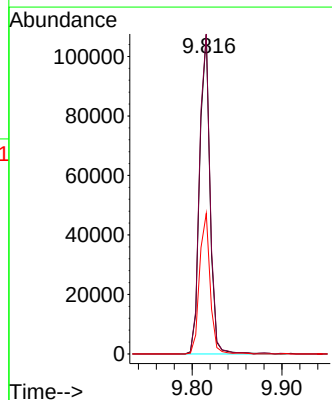
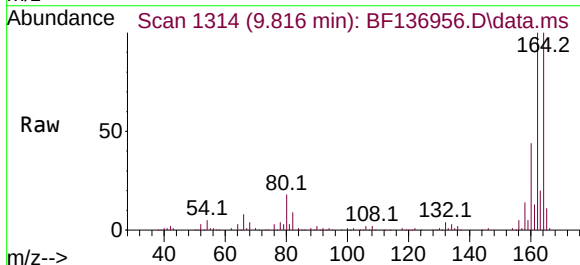
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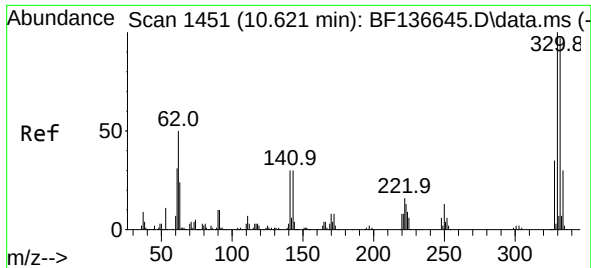
Tgt Ion: 82 Resp: 201378  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion:164 Resp: 85849  
Ion Ratio Lower Upper  
164 100  
162 100.1 81.6 122.4  
160 44.0 34.9 52.3

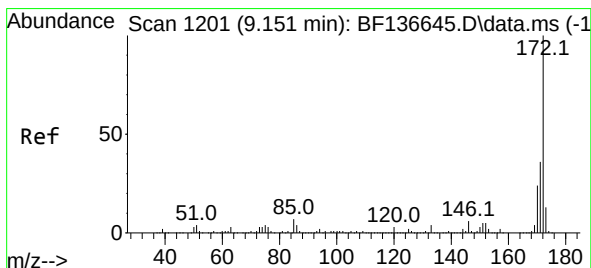
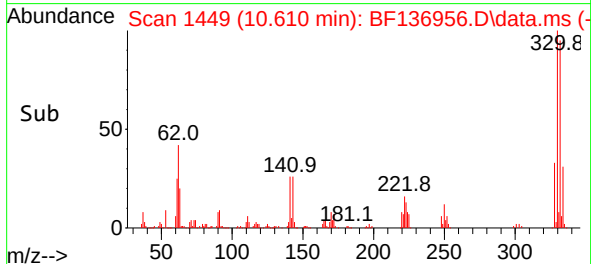
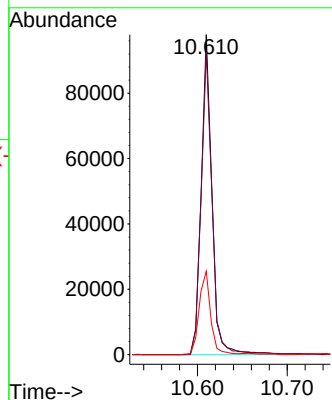
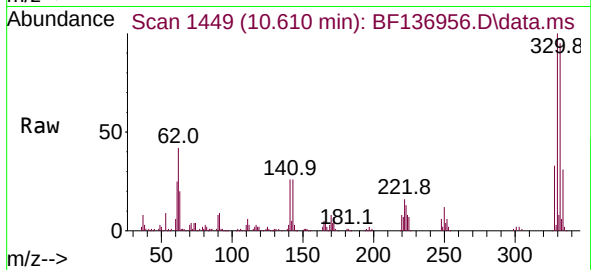




#42  
2,4,6-Tribromophenol  
Concen: 80.286 ng  
RT: 10.610 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

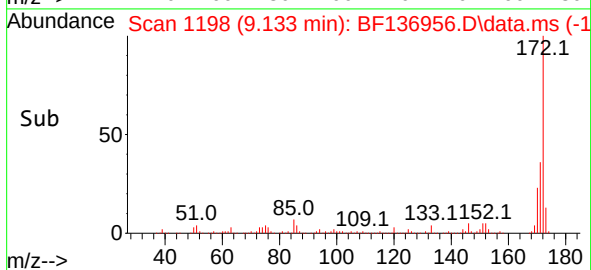
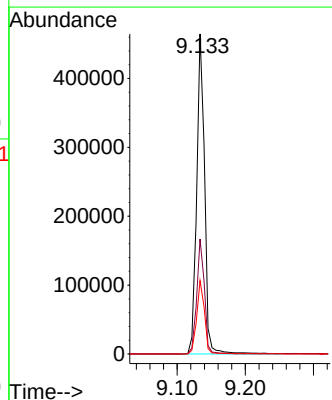
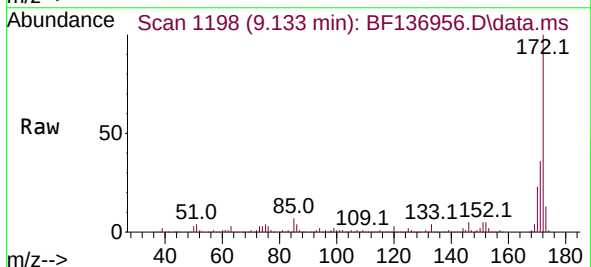
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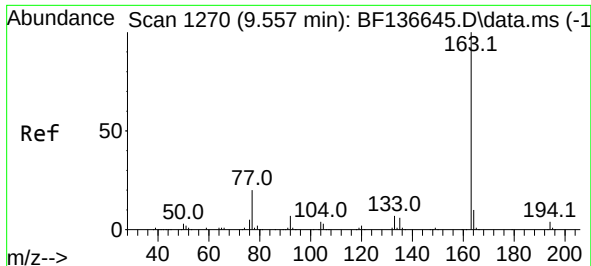
Tgt Ion: 330 Resp: 81174  
Ion Ratio Lower Upper  
330 100  
332 97.7 77.4 116.0  
141 27.9 23.4 35.2



#45  
2-Fluorobiphenyl  
Concen: 58.616 ng  
RT: 9.133 min Scan# 1198  
Delta R.T. -0.018 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion: 172 Resp: 374142  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.0 43.6  
170 22.9 19.0 28.4

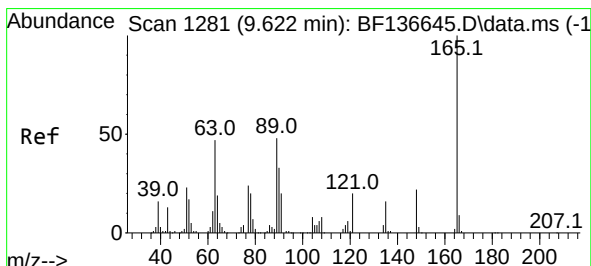
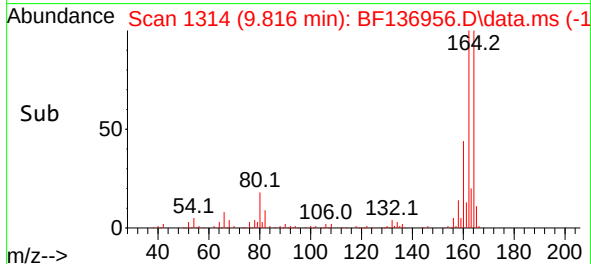
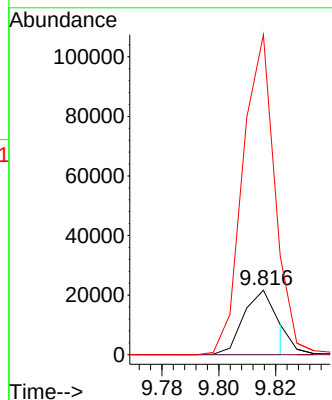
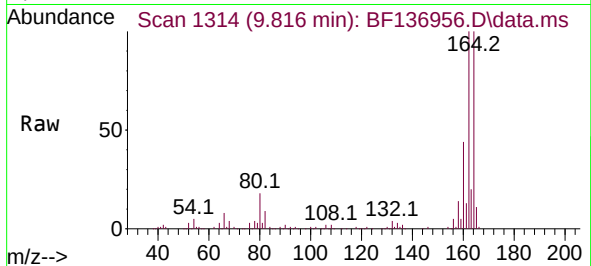




#50  
Dimethylphthalate  
Concen: 2.804 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.259 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

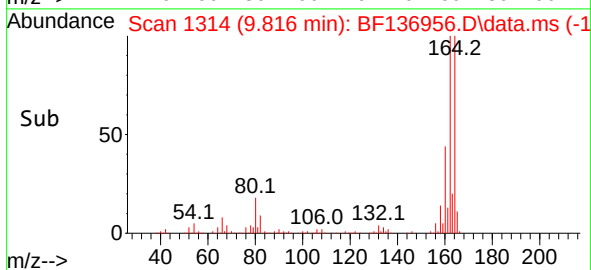
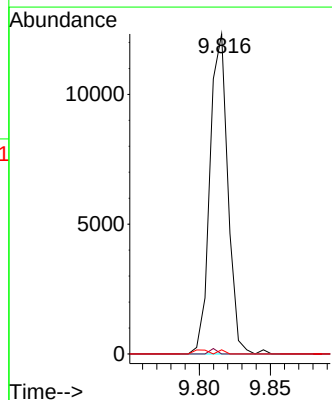
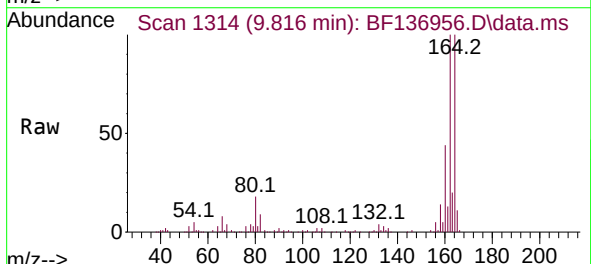
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

Tgt Ion:163 Resp: 17583  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 496.0 7.8 11.6#

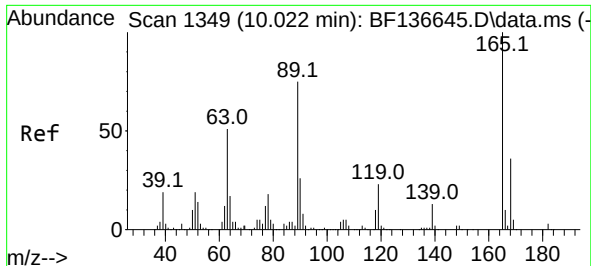


#51  
2,6-Dinitrotoluene  
Concen: 7.641 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. 0.194 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion:165 Resp: 10874  
Ion Ratio Lower Upper  
165 100  
63 0.0 39.8 59.6#  
89 1.3 38.8 58.2#



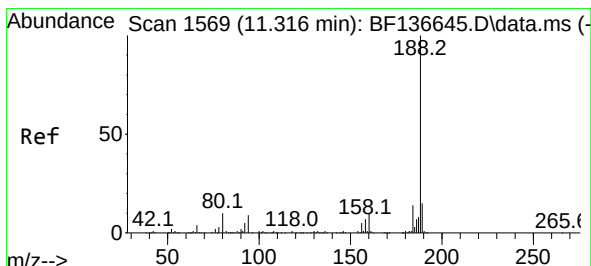
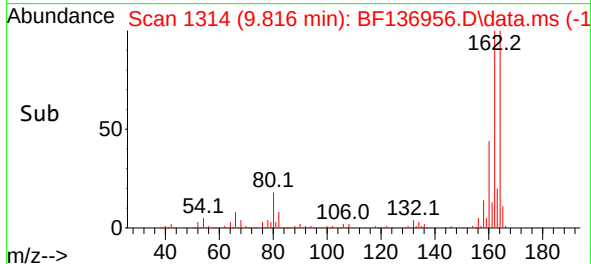
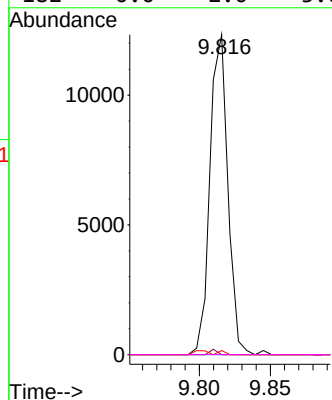
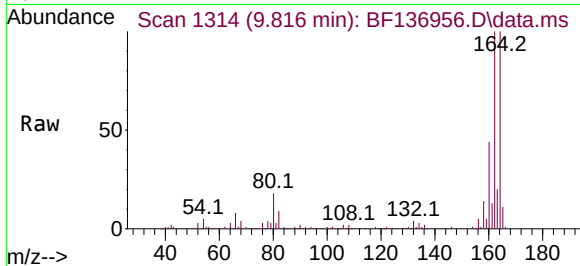




#57  
2,4-Dinitrotoluene  
Concen: 5.886 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.206 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

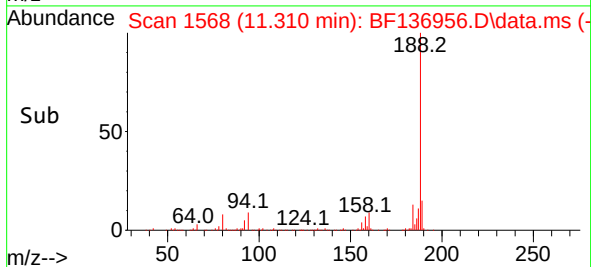
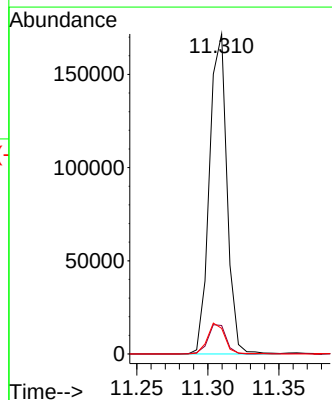
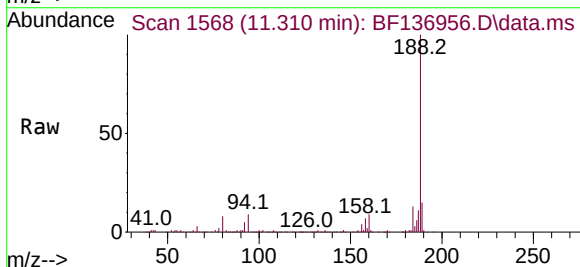
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

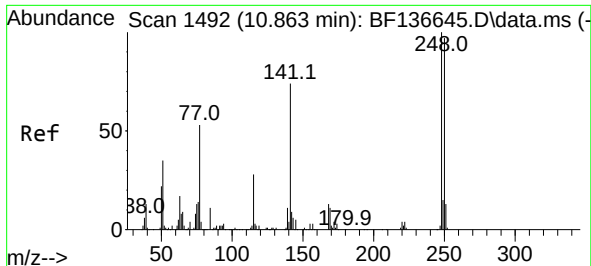
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 10874 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 41.0  | 61.6# |
| 89       | 1.3   | 59.9  | 89.9# |
| 182      | 0.0   | 2.0   | 3.0#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 148136 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.9   | 7.5   | 11.3   |
| 80       | 8.0   | 8.1   | 12.1#  |

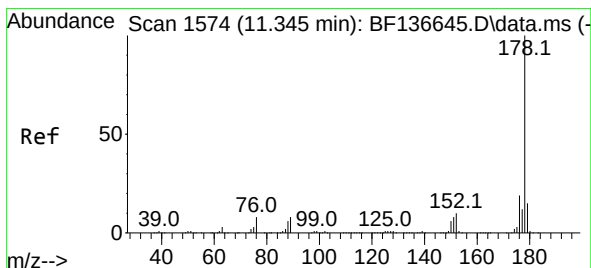
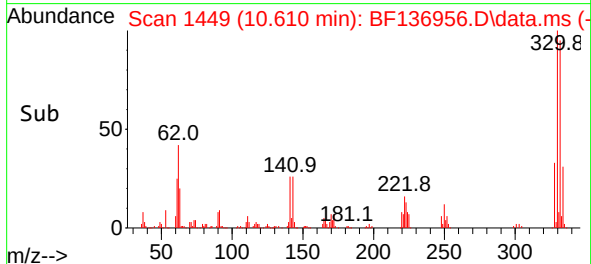
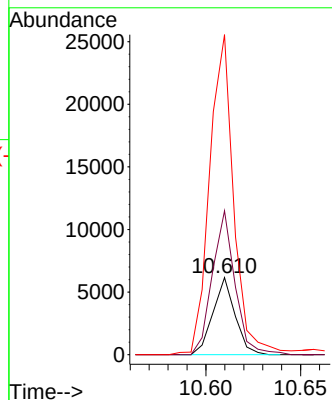
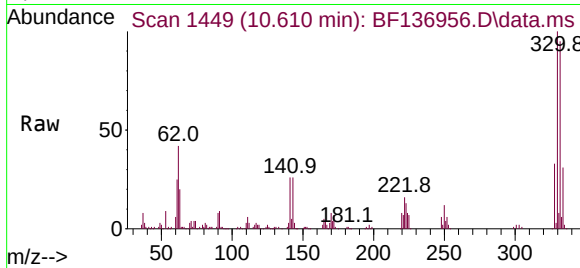




#67  
4-Bromophenyl-phenylether  
Concen: 3.039 ng  
RT: 10.610 min Scan# 1492  
Delta R.T. -0.253 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

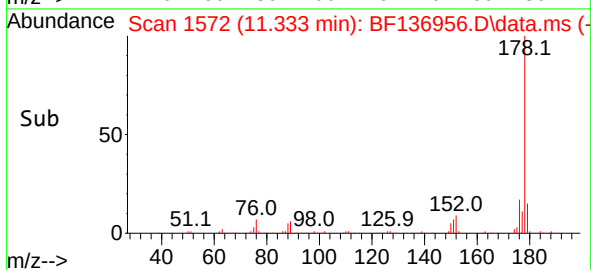
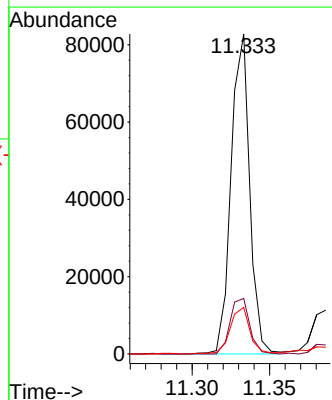
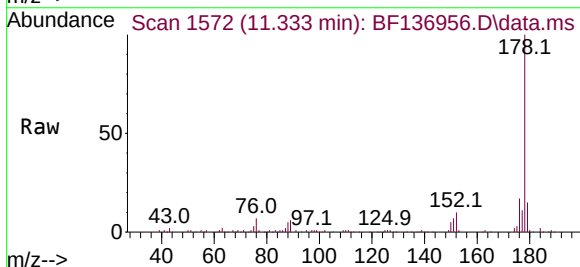
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

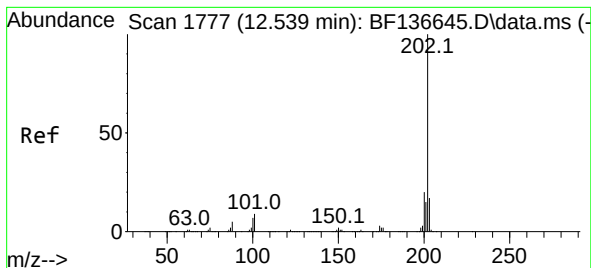
Tgt Ion:248 Resp: 4999  
Ion Ratio Lower Upper  
248 100  
250 186.8 77.8 116.6#  
141 415.3 59.2 88.8#



#71  
Phenanthrene  
Concen: 9.088 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion:178 Resp: 69075  
Ion Ratio Lower Upper  
178 100  
176 17.3 15.3 22.9  
179 14.6 11.9 17.9





#75

Fluoranthene

Concen: 14.785 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

Instrument :

BNA\_F

ClientSampleId :

MR-323-0-2

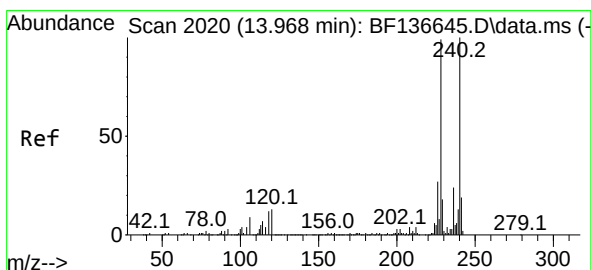
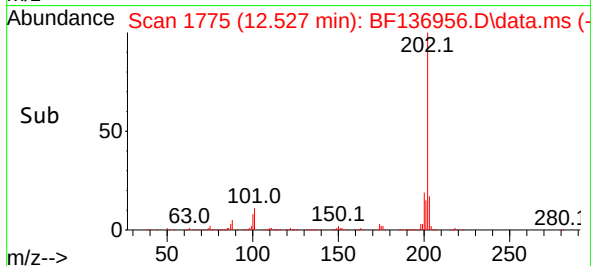
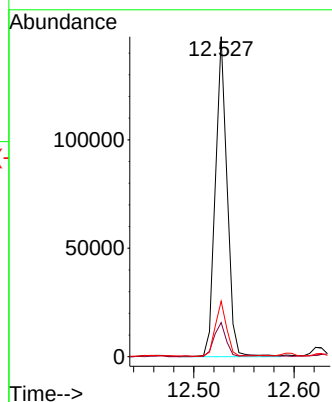
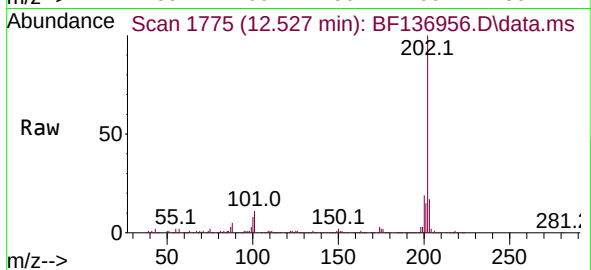
Tgt Ion:202 Resp: 120209

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.3

203 17.4 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

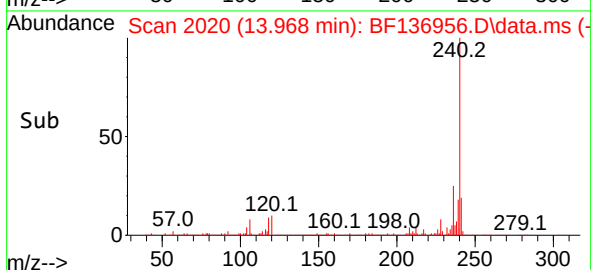
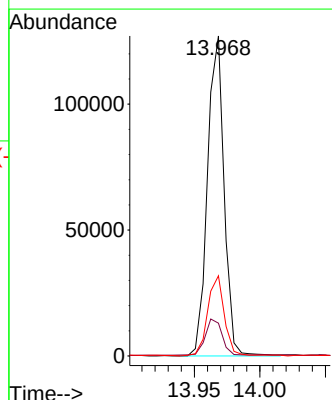
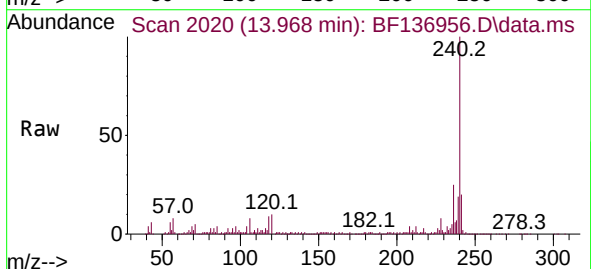
Tgt Ion:240 Resp: 112410

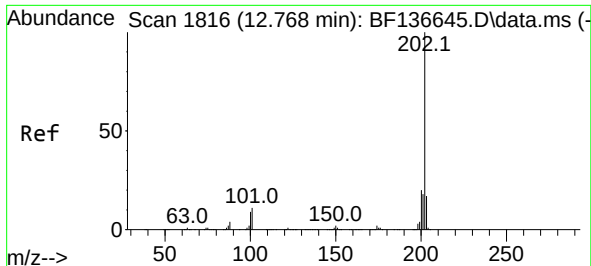
Ion Ratio Lower Upper

240 100

120 10.2 10.3 15.5#

236 25.1 19.4 29.2

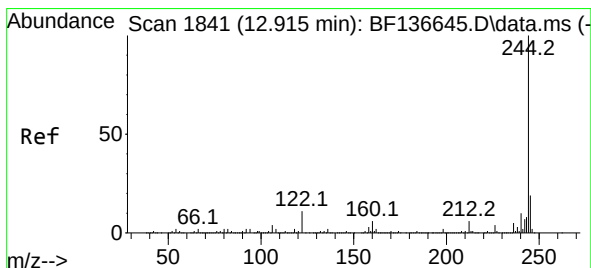
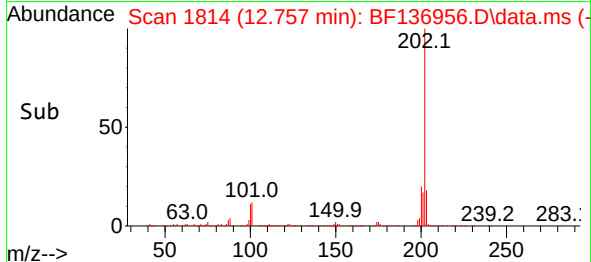
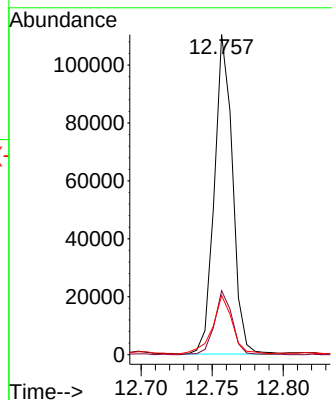
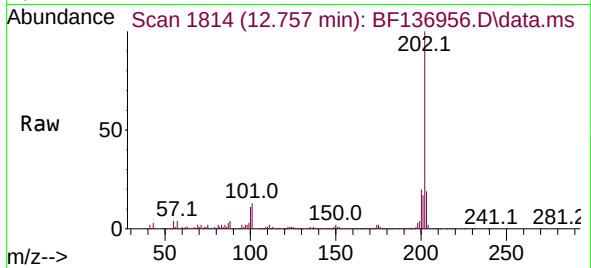




#78  
Pyrene  
Concen: 8.908 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

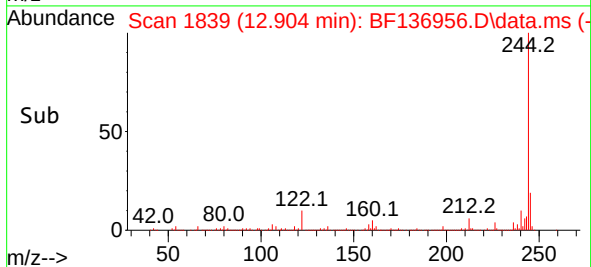
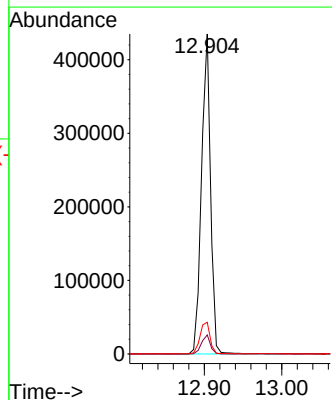
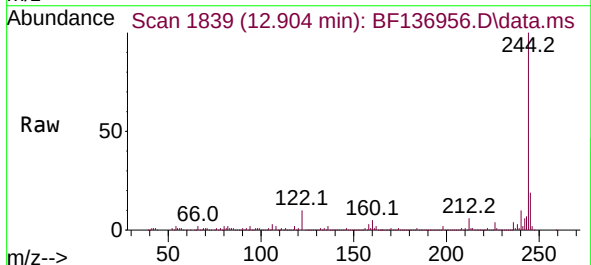
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

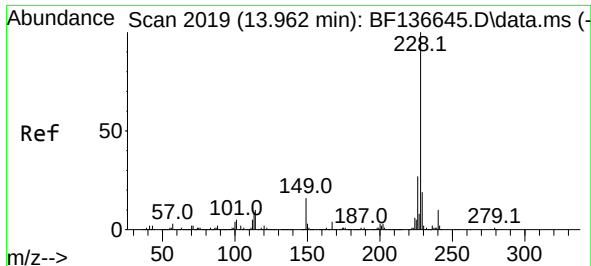
Tgt Ion:202 Resp: 98302  
Ion Ratio Lower Upper  
202 100  
200 20.0 15.9 23.9  
203 18.5 13.8 20.6



#79  
Terphenyl-d14  
Concen: 43.770 ng  
RT: 12.904 min Scan# 1839  
Delta R.T. -0.012 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion:244 Resp: 352075  
Ion Ratio Lower Upper  
244 100  
212 5.9 5.0 7.4  
122 9.9 9.0 13.4

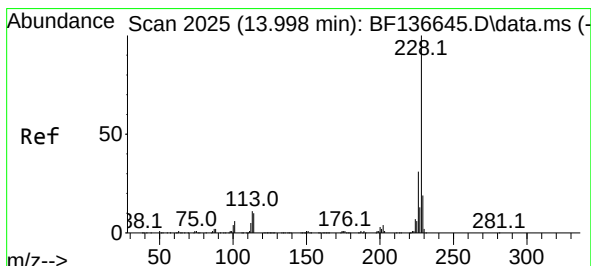
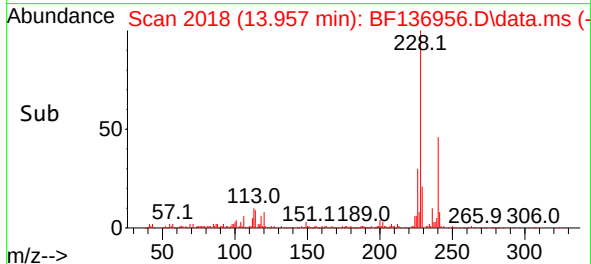
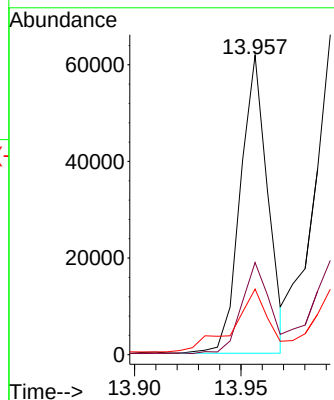
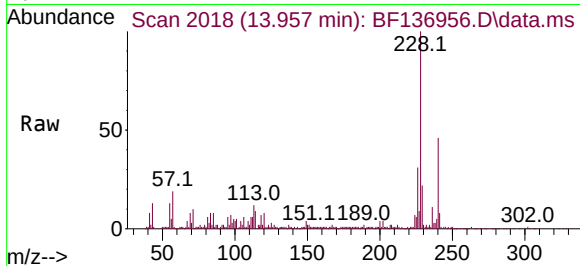




#81  
Benzo(a)anthracene  
Concen: 7.074 ng  
RT: 13.957 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

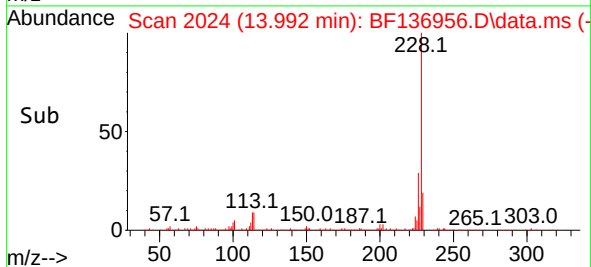
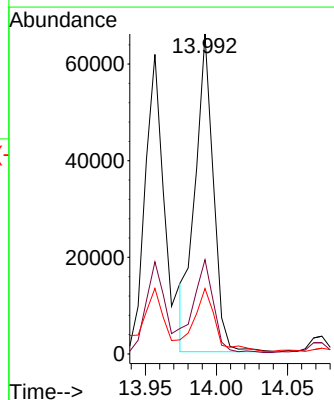
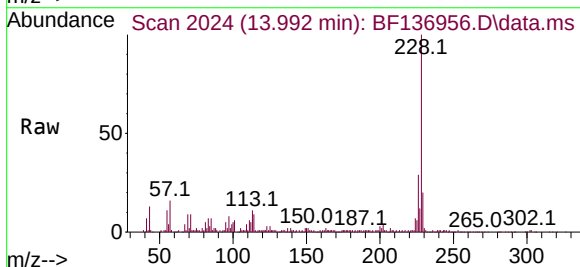
Instrument :  
BNA\_F  
ClientSampleId :  
MR-323-0-2

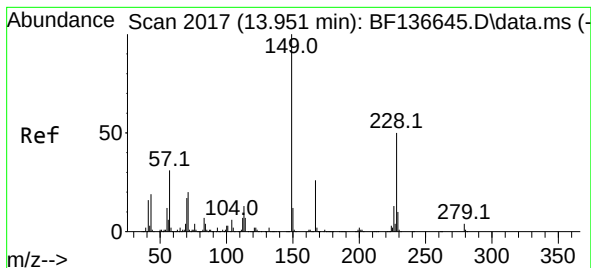
Tgt Ion:228 Resp: 55216  
Ion Ratio Lower Upper  
228 100  
226 30.8 21.4 32.0  
229 21.9 14.9 22.3



#83  
Chrysene  
Concen: 7.717 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF136956.D  
Acq: 04 Jan 2024 23:23

Tgt Ion:228 Resp: 58905  
Ion Ratio Lower Upper  
228 100  
226 29.4 24.7 37.1  
229 20.5 15.4 23.0

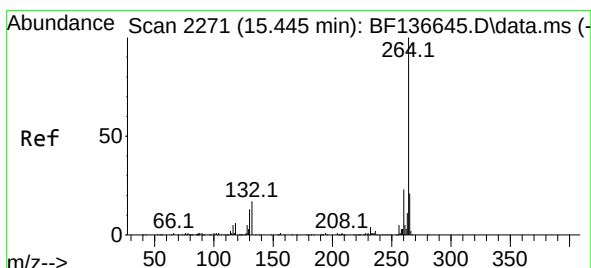
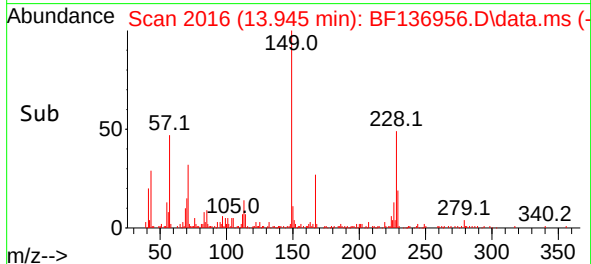
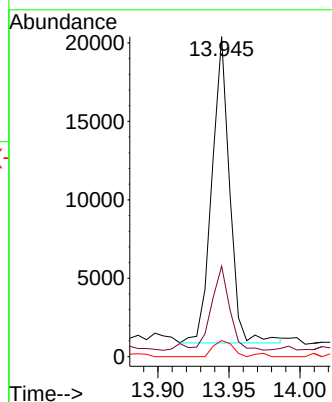
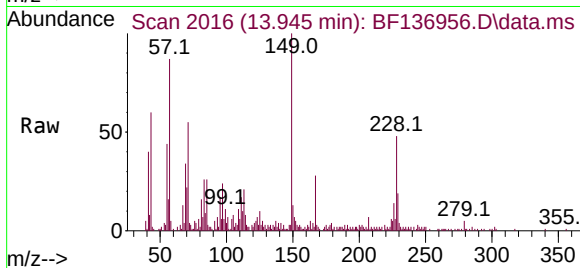




#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 3.367 ng  
 RT: 13.945 min Scan# 2016  
 Delta R.T. -0.006 min  
 Lab File: BF136956.D  
 Acq: 04 Jan 2024 23:23

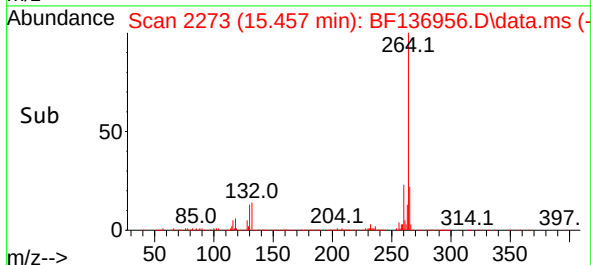
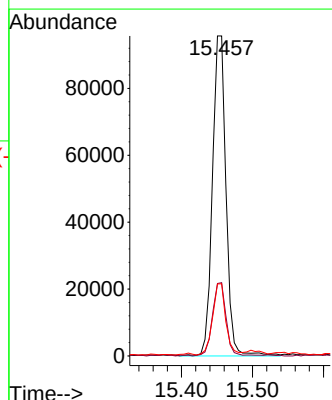
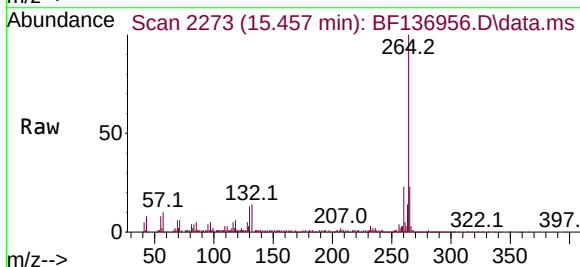
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MR-323-0-2

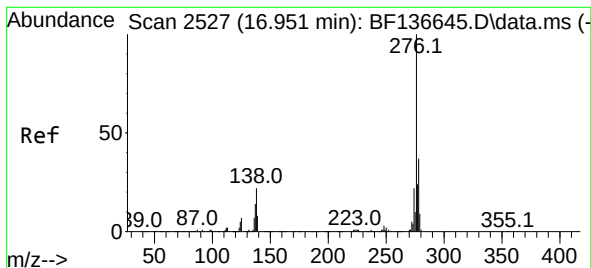
Tgt Ion:149 Resp: 17011  
 Ion Ratio Lower Upper  
 149 100  
 167 28.3 20.9 31.3  
 279 5.1 2.9 4.3#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.457 min Scan# 2273  
 Delta R.T. 0.012 min  
 Lab File: BF136956.D  
 Acq: 04 Jan 2024 23:23

Tgt Ion:264 Resp: 127354  
 Ion Ratio Lower Upper  
 264 100  
 260 22.9 18.3 27.5  
 265 22.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.331 ng

RT: 16.962 min Scan# 2198

Delta R.T. 0.012 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

Instrument :

BNA\_F

ClientSampleId :

MR-323-0-2

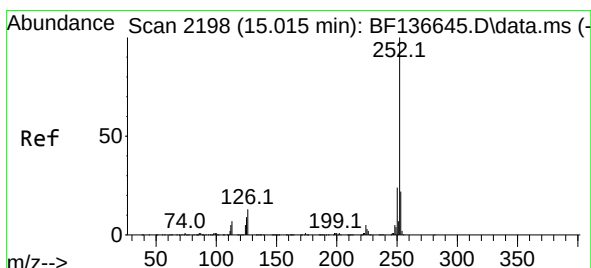
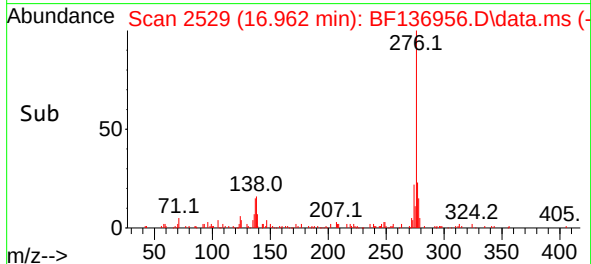
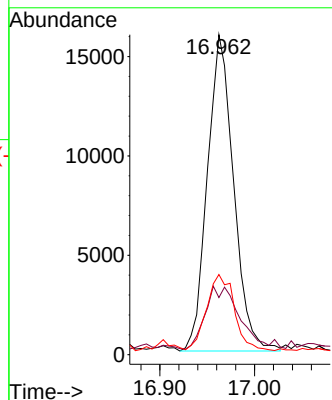
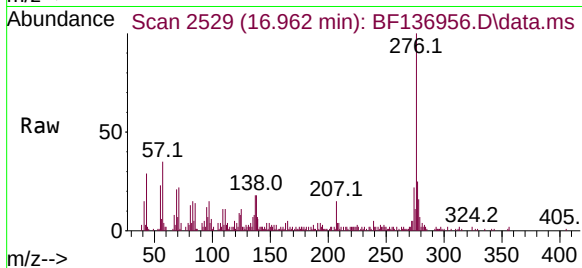
Tgt Ion:276 Resp: 30626

Ion Ratio Lower Upper

276 100

138 27.3 18.7 28.1

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 13.020 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

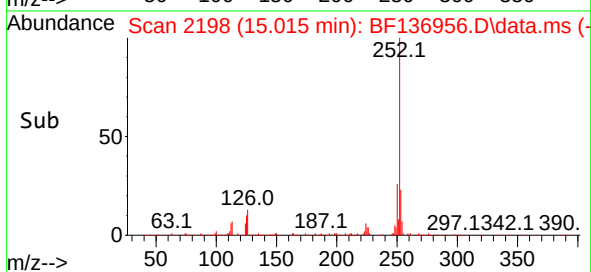
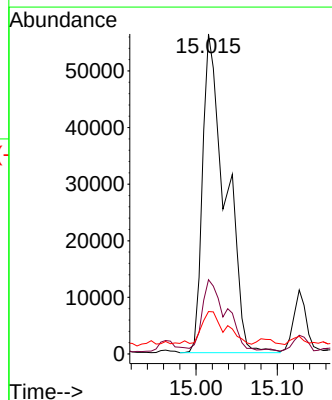
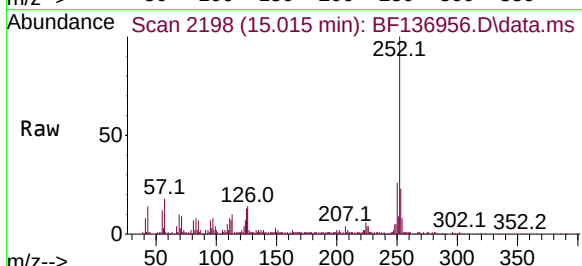
Tgt Ion:252 Resp: 110745

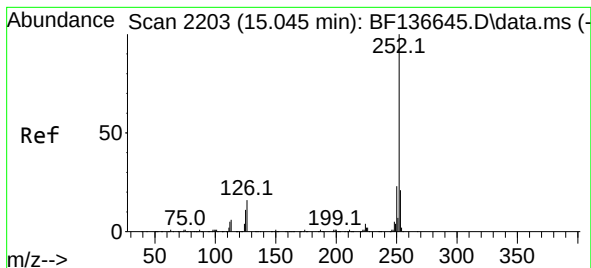
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 13.2 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 13.779 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

Instrument :

BNA\_F

ClientSampleId :

MR-323-0-2

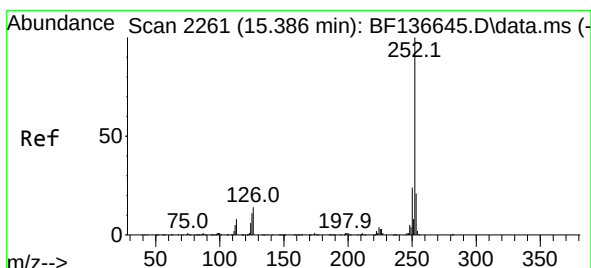
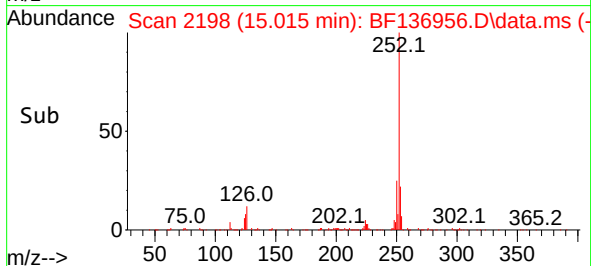
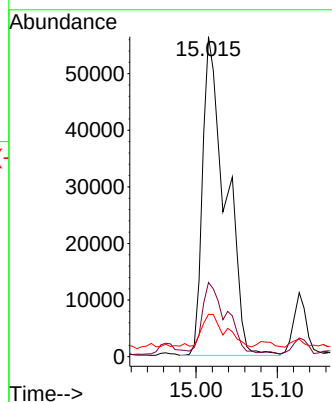
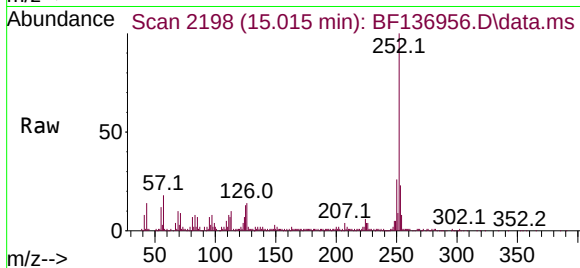
Tgt Ion:252 Resp: 110745

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

125 13.2 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 7.242 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136956.D

Acq: 04 Jan 2024 23:23

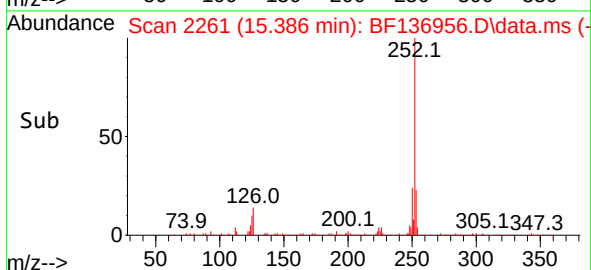
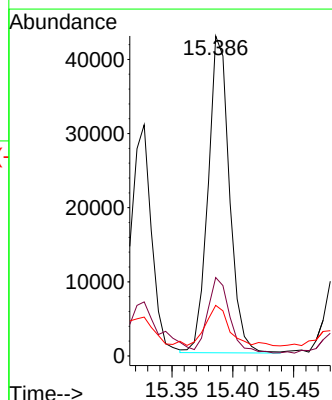
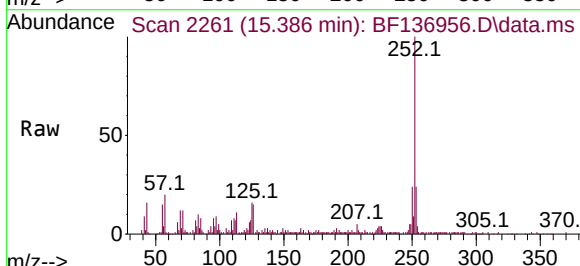
Tgt Ion:252 Resp: 51995

Ion Ratio Lower Upper

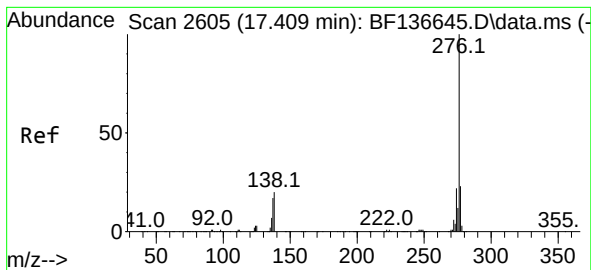
252 100

253 24.5 17.0 25.6

125 15.8 8.8 13.2#







#92

Benzo(g,h,i)perylene

Concen: 3.551 ng

RT: 17.427 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF136956.D

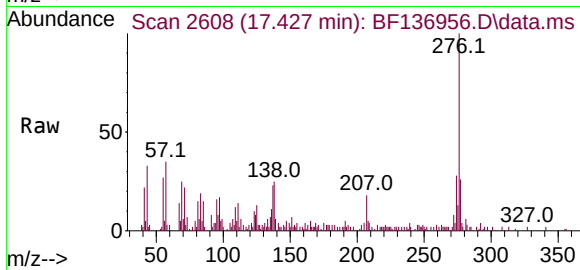
Acq: 04 Jan 2024 23:23

Instrument :

BNA\_F

ClientSampleId :

MR-323-0-2



Tgt Ion:276 Resp: 27434

Ion Ratio Lower Upper

276 100

277 25.6 18.3 27.5

138 24.9 15.6 23.4#

