

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061323\  
 Data File : BF133735.D  
 Acq On : 13 Jun 2023 17:23  
 Operator : CG\JU  
 Sample : 03069-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB34A

Quant Time: Jun 13 18:04:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 13 11:26:55 2023  
 Response via : Initial Calibration

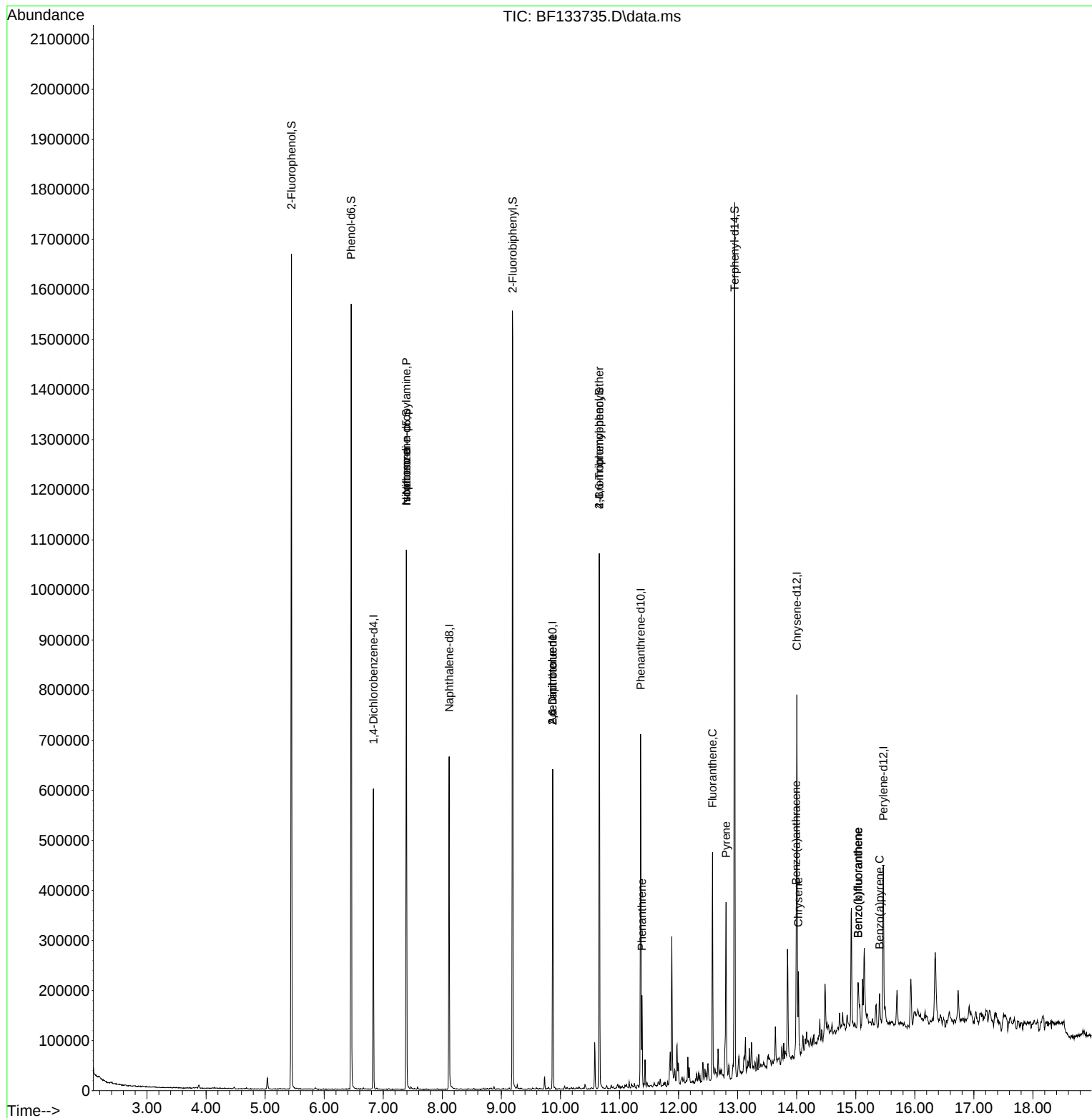
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 81105    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 262975   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 111690   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 243619   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 14.004 | 240  | 200191   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.468 | 264  | 143497   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 382580   | 82.120 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.457  | 99   | 427732   | 70.534 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 271723   | 56.279 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 112177   | 79.345 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 469177   | 59.714 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 616065   | 47.618 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.392  | 70   | 37878    | 9.817  | ng    | # 81     |
| 25) Isophorone                | 7.392  | 82   | 271721   | 30.655 | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 14054    | 8.167  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.869  | 165  | 14054    | 6.422  | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 7153     | 2.631  | ng    | # 1      |
| 71) Phenanthrene              | 11.380 | 178  | 59732    | 4.833  | ng    | 98       |
| 75) Fluoranthene              | 12.574 | 202  | 162237   | 12.360 | ng    | 99       |
| 78) Pyrene                    | 12.804 | 202  | 140191   | 7.518  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 70300    | 5.077  | ng    | 96       |
| 83) Chrysene                  | 14.027 | 228  | 59965    | 4.579  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 66057    | 7.578  | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 66057    | 7.779  | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 29953    | 3.703  | ng    | # 97     |
| -----                         |        |      |          |        |       |          |

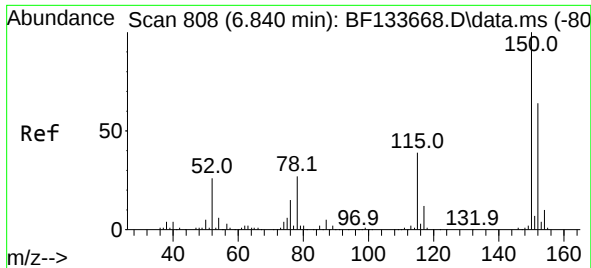
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061323\  
Data File : BF133735.D  
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Quant Time: Jun 13 18:04:11 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 13 11:26:55 2023  
Response via : Initial Calibration

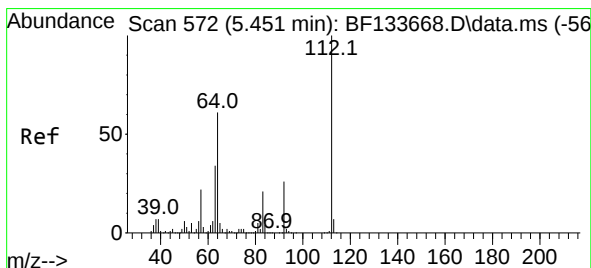
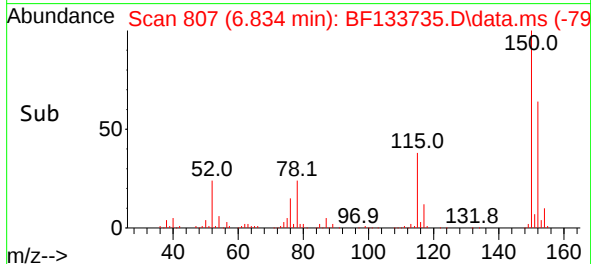
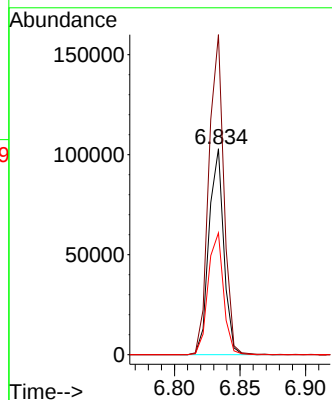
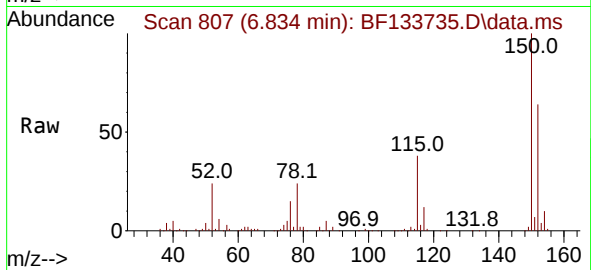




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

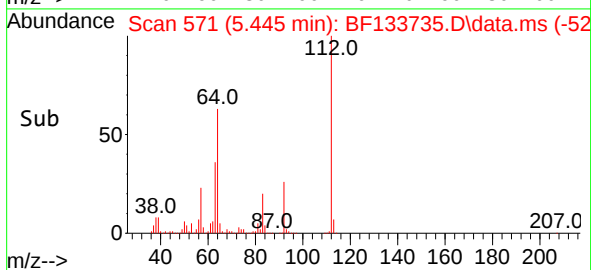
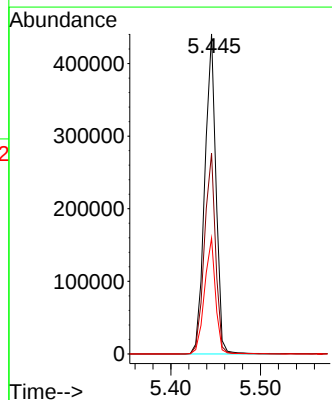
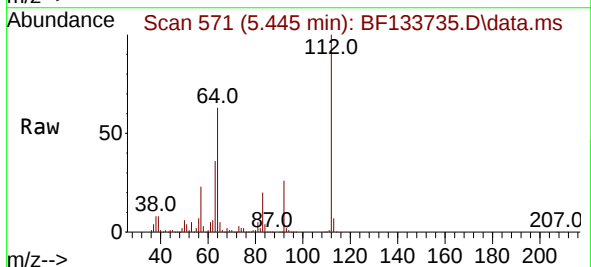
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

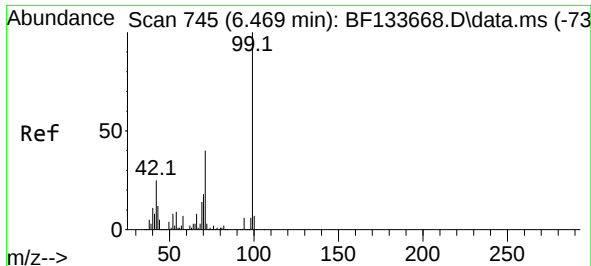
Tgt Ion:152 Resp: 81105  
Ion Ratio Lower Upper  
152 100  
150 155.4 124.3 186.5  
115 59.1 48.5 72.7



#5  
2-Fluorophenol  
Concen: 82.120 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.000 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:112 Resp: 382580  
Ion Ratio Lower Upper  
112 100  
64 62.7 49.0 73.4  
63 36.2 26.8 40.2

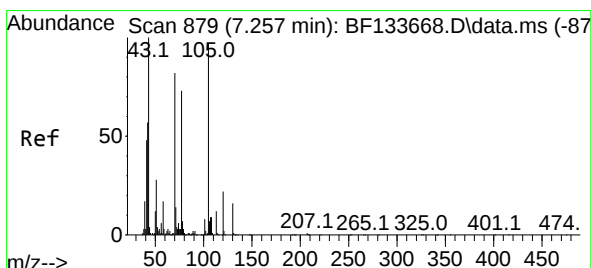
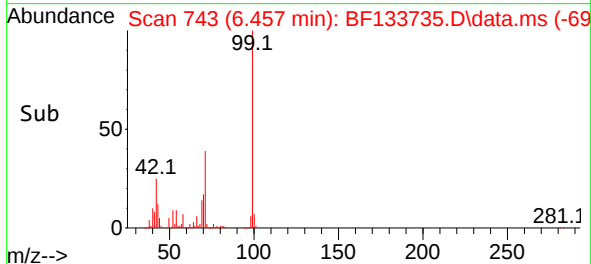
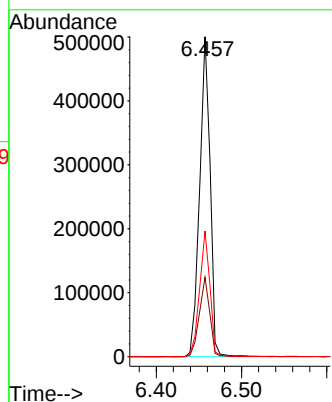
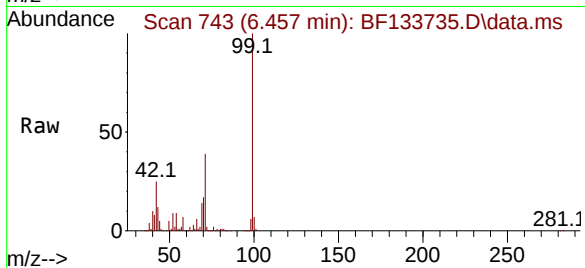




#7  
Phenol-d6  
Concen: 70.534 ng  
RT: 6.457 min Scan# 745  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

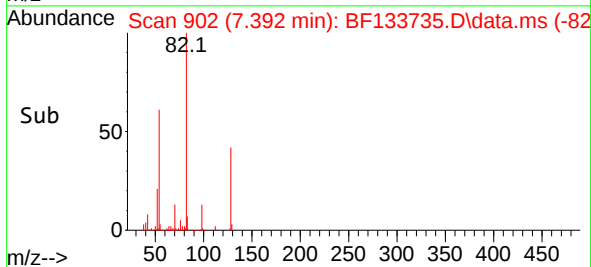
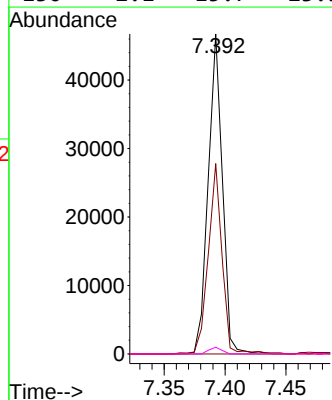
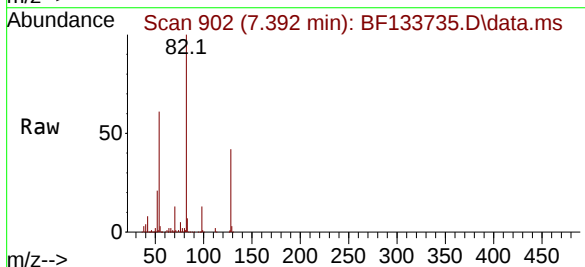
Instrument :  
BNA\_F  
ClientSampleId :  
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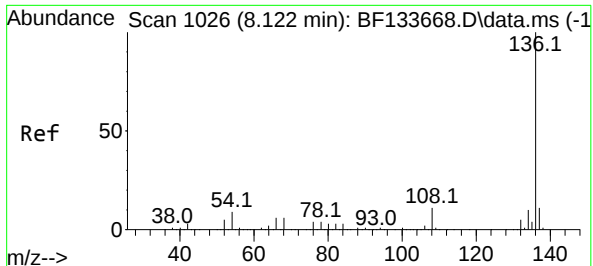
Tgt Ion: 99 Resp: 427732  
Ion Ratio Lower Upper  
99 100  
42 24.8 19.9 29.9  
71 39.2 32.2 48.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 9.817 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.141 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion: 70 Resp: 37878  
Ion Ratio Lower Upper  
70 100  
42 59.5 55.8 83.8  
101 0.0 8.1 12.1#  
130 2.1 15.7 23.5#

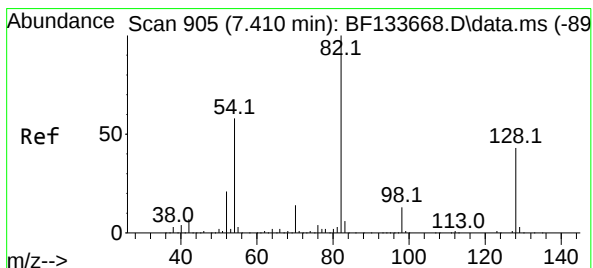
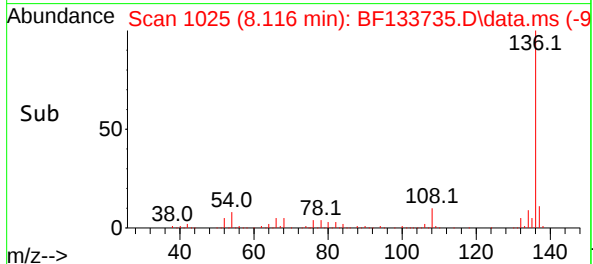
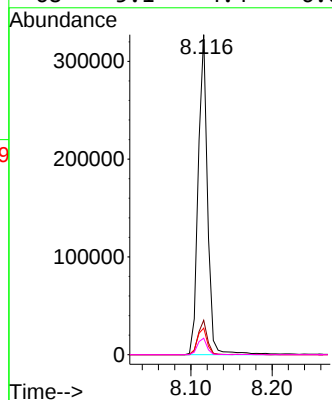
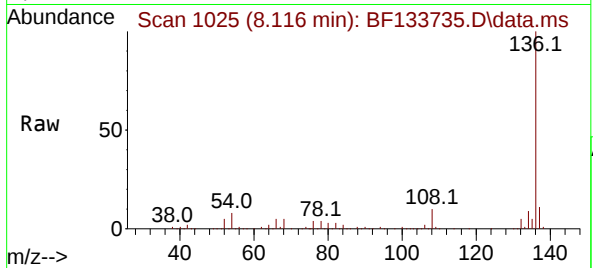




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

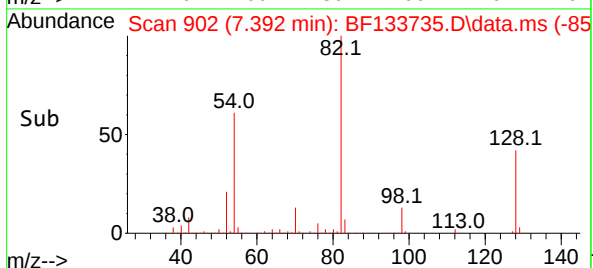
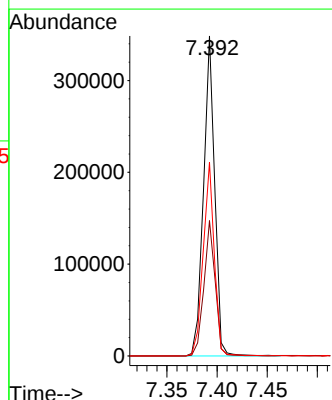
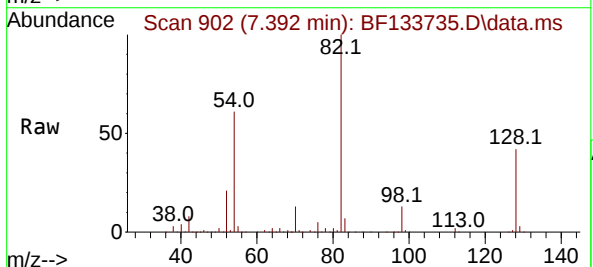
Instrument :  
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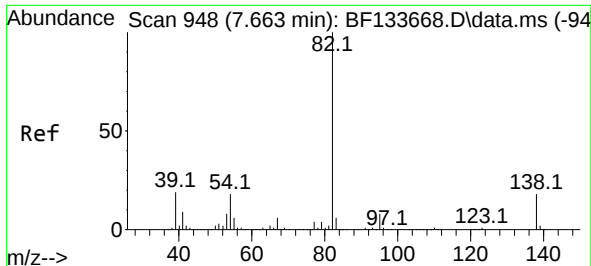
Tgt Ion:136 Resp: 262975  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 8.3 7.4 11.0  
68 5.1 4.4 6.6



#23  
Nitrobenzene-d5  
Concen: 56.279 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion: 82 Resp: 271723  
Ion Ratio Lower Upper  
82 100  
128 42.3 34.2 51.2  
54 60.6 46.5 69.7

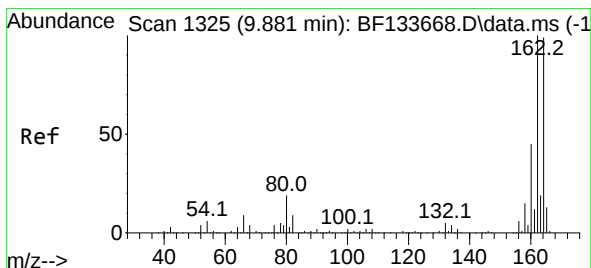
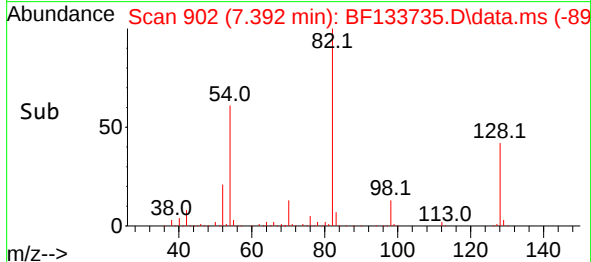
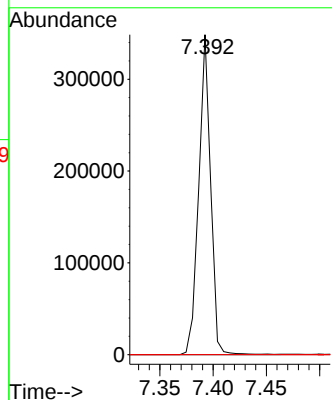
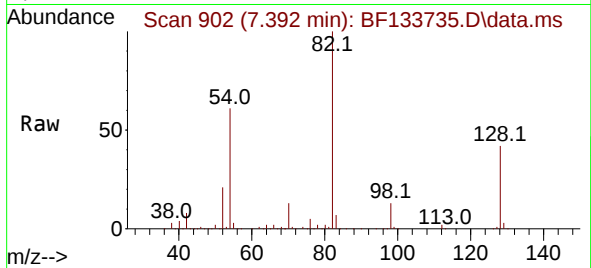




#25  
Isophorone  
Concen: 30.655 ng  
RT: 7.392 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

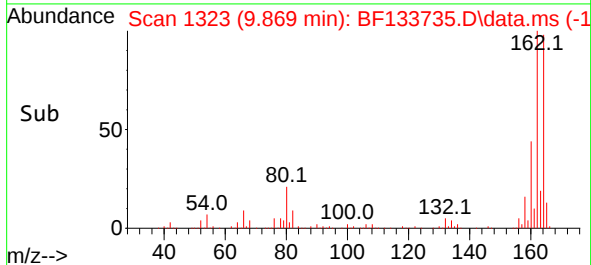
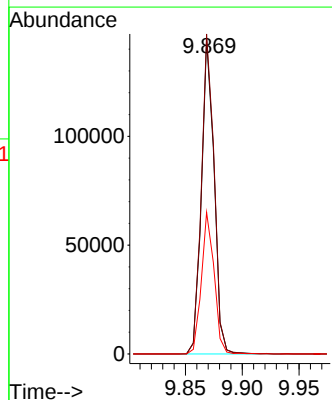
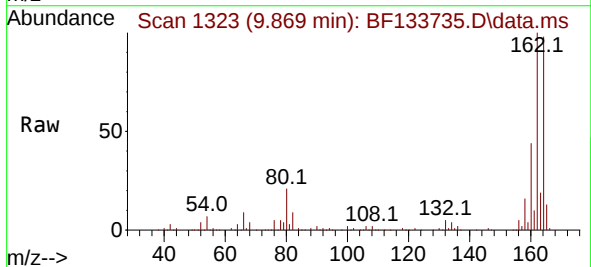
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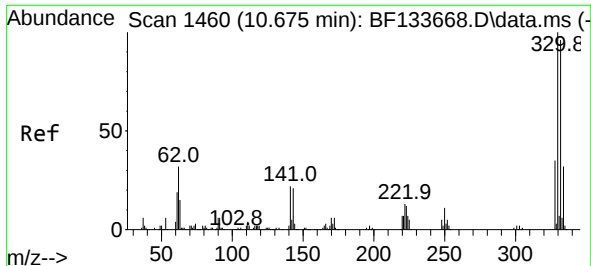
Tgt Ion: 82 Resp: 271721  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.2 21.2#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion: 164 Resp: 111690  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.8 121.2  
160 45.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 79.345 ng

RT: 10.657 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

Instrument :

BNA\_F

ClientSampleId :

SB34A

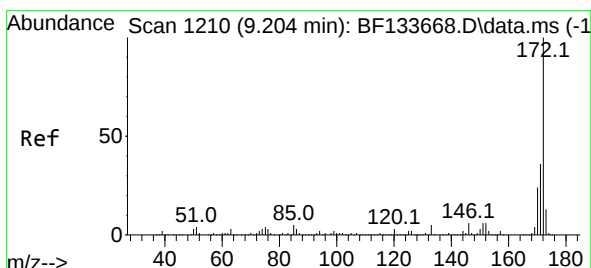
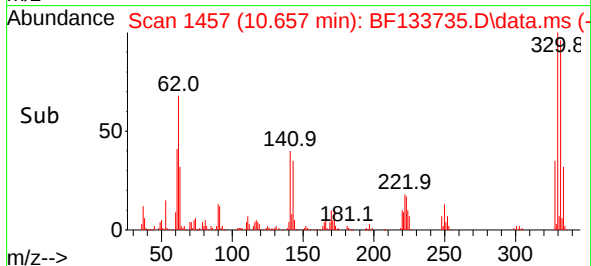
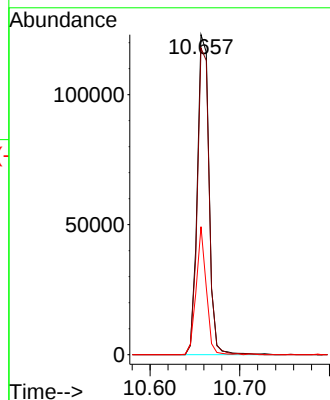
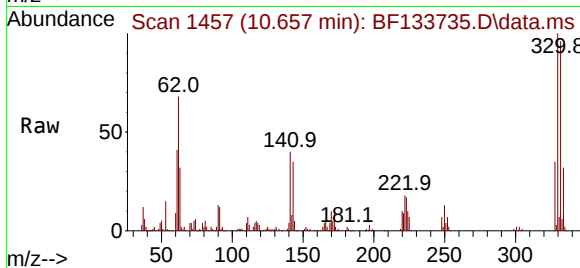
Tgt Ion:330 Resp: 112177

Ion Ratio Lower Upper

330 100

332 96.3 77.2 115.8

141 34.2 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 59.714 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

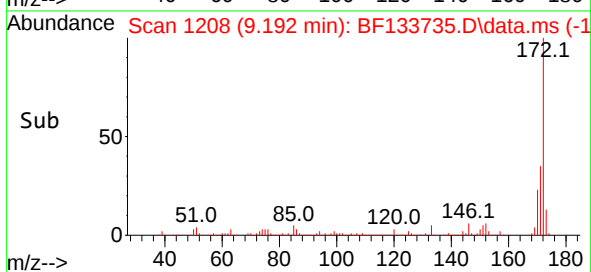
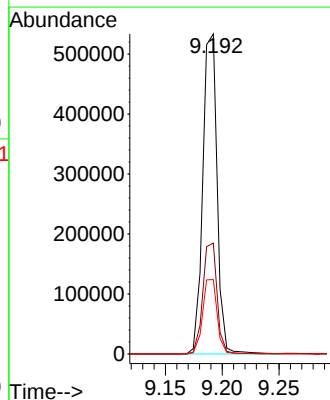
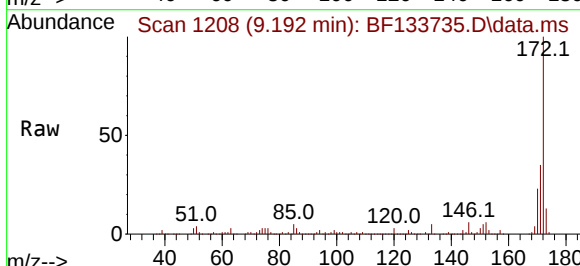
Tgt Ion:172 Resp: 469177

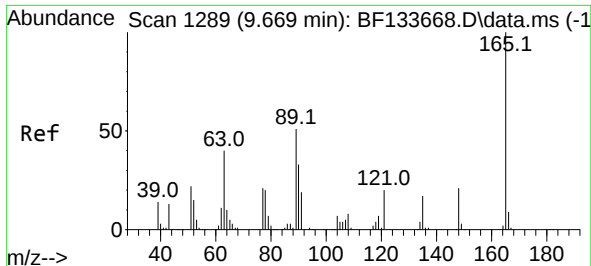
Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.3 19.1 28.7

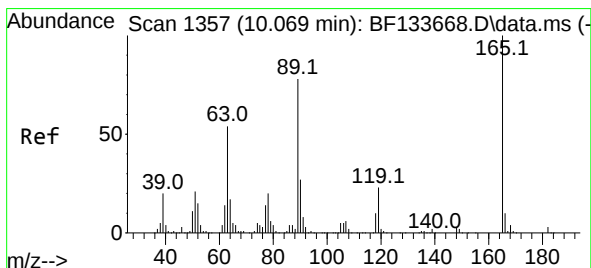
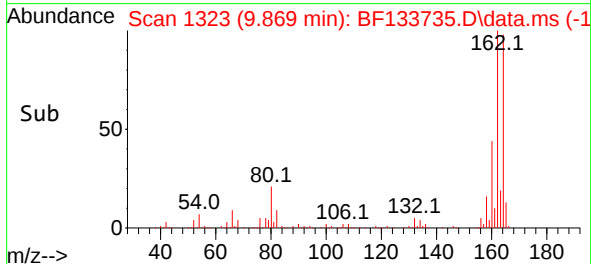
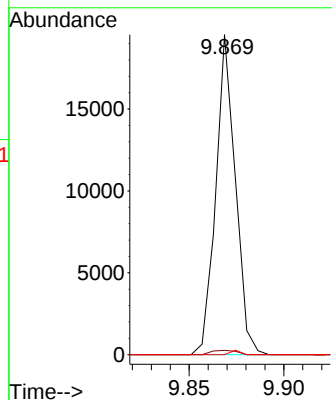
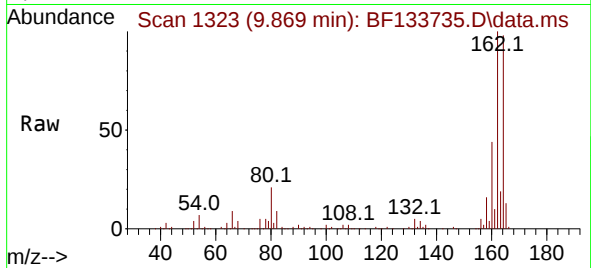




#51  
2,6-Dinitrotoluene  
Concen: 8.167 ng  
RT: 9.869 min Scan# 11  
Delta R.T. 0.206 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

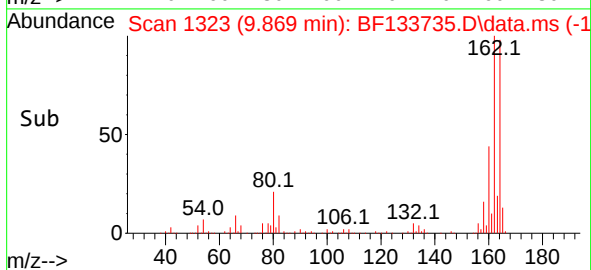
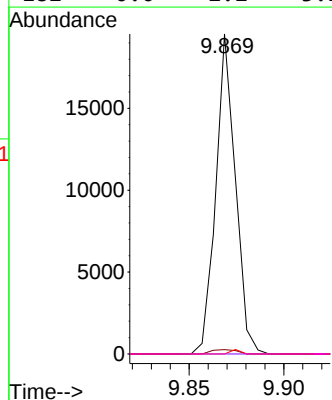
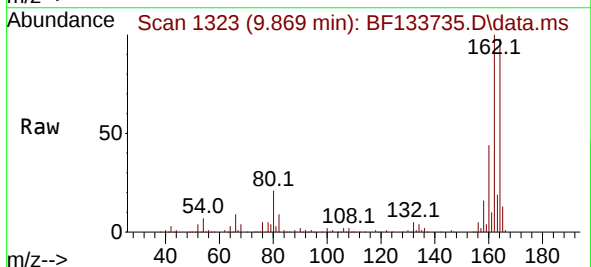
Instrument :  
BNA\_F  
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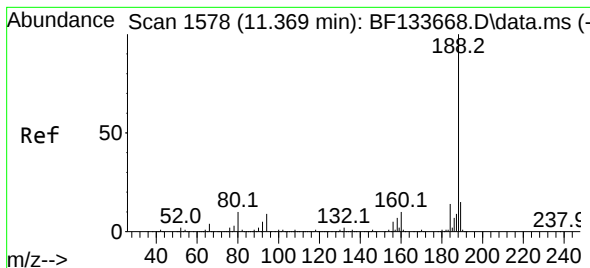
Tgt Ion:165 Resp: 14054  
Ion Ratio Lower Upper  
165 100  
63 1.4 42.1 63.1#  
89 0.0 40.9 61.3#



#57  
2,4-Dinitrotoluene  
Concen: 6.422 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.200 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:165 Resp: 14054  
Ion Ratio Lower Upper  
165 100  
63 1.4 43.0 64.6#  
89 0.0 62.6 93.8#  
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

Instrument :

BNA\_F

ClientSampleId :

SB34A

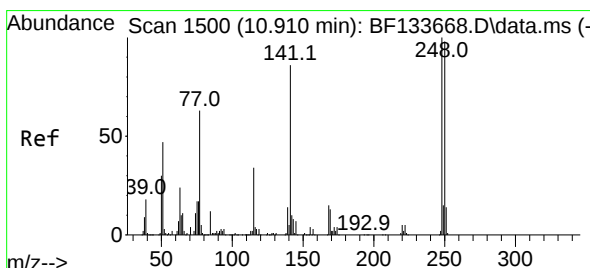
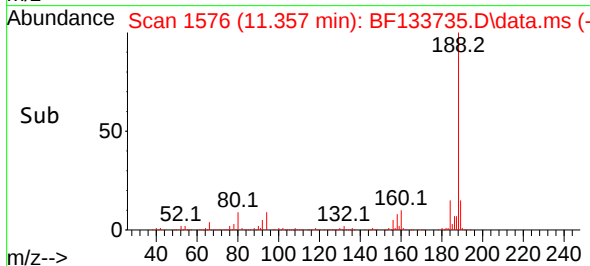
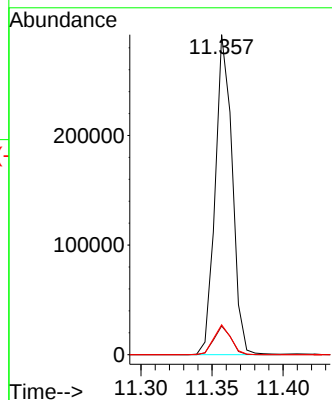
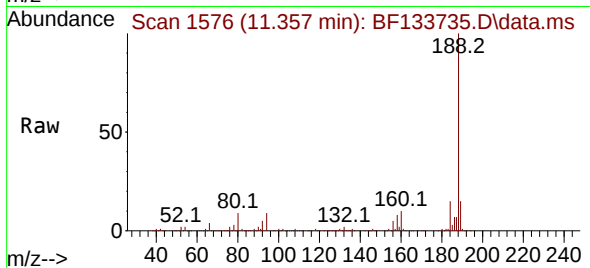
Tgt Ion:188 Resp: 243619

Ion Ratio Lower Upper

188 100

94 8.9 6.8 10.2

80 9.4 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.631 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.253 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

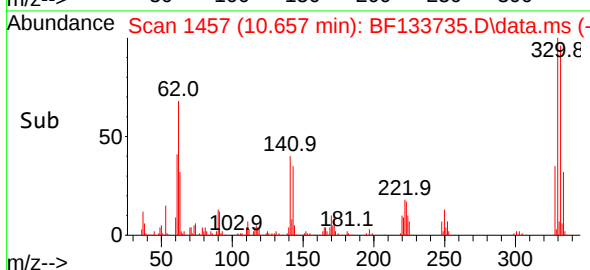
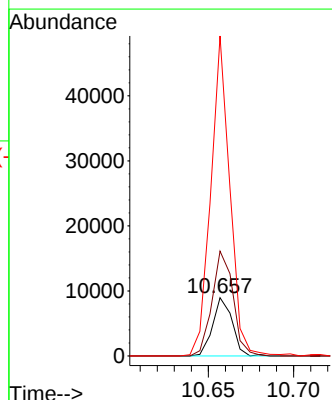
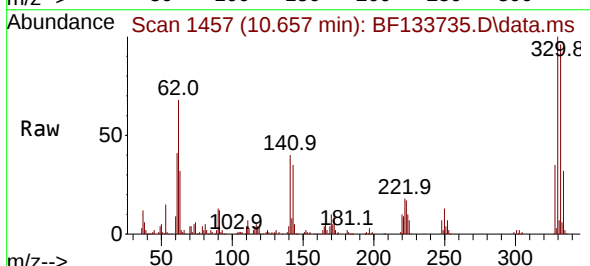
Tgt Ion:248 Resp: 7153

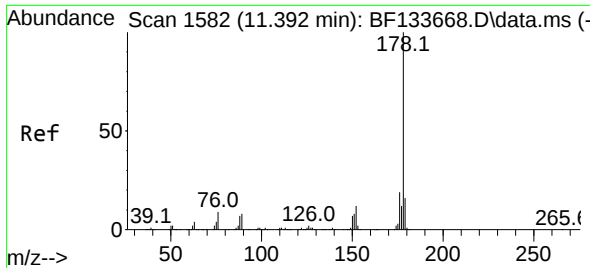
Ion Ratio Lower Upper

248 100

250 179.9 78.3 117.5#

141 549.3 69.0 103.6#

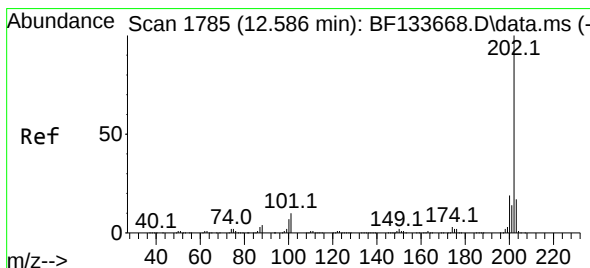
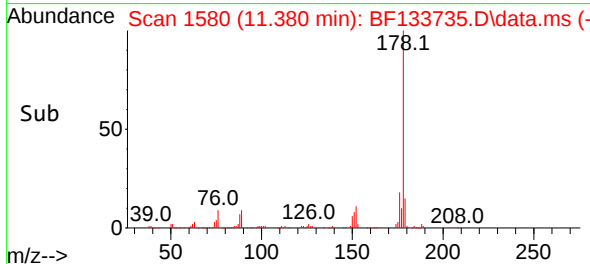
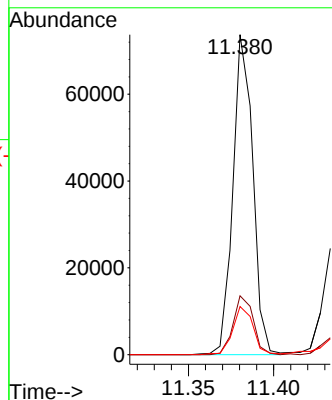
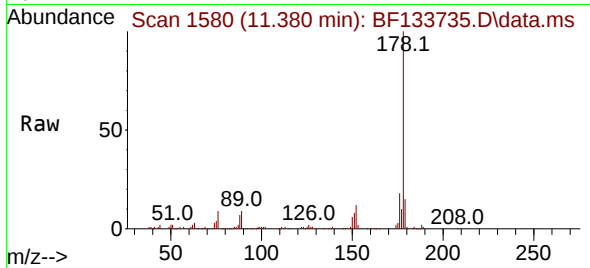




#71  
Phenanthrene  
Concen: 4.833 ng  
RT: 11.380 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

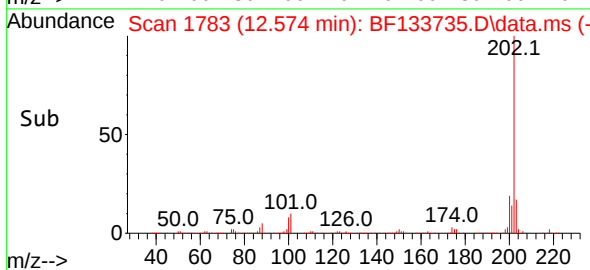
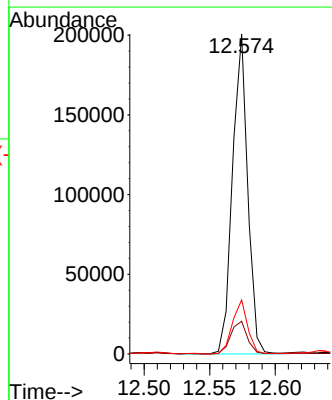
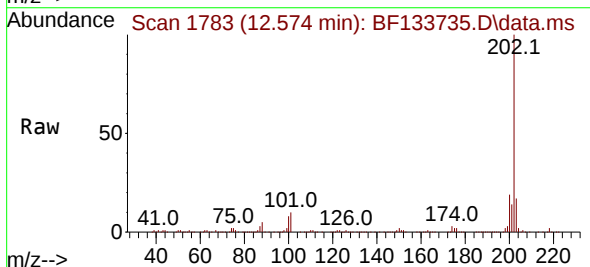
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

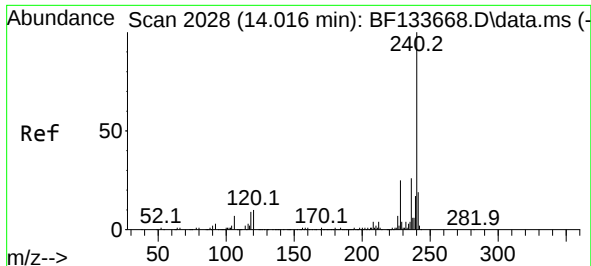
Tgt Ion:178 Resp: 59732  
Ion Ratio Lower Upper  
178 100  
176 18.4 15.6 23.4  
179 15.1 12.4 18.6



#75  
Fluoranthene  
Concen: 12.360 ng  
RT: 12.574 min Scan# 1783  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:202 Resp: 162237  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 29.6  
203 16.9 0.0 37.4

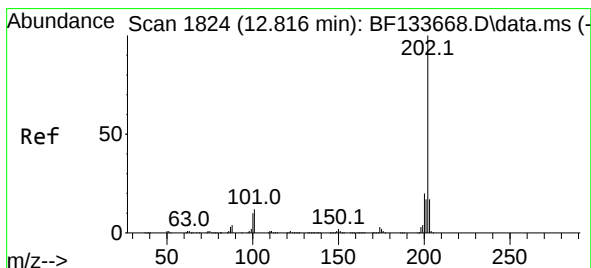
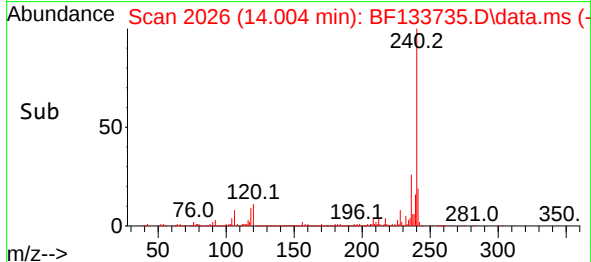
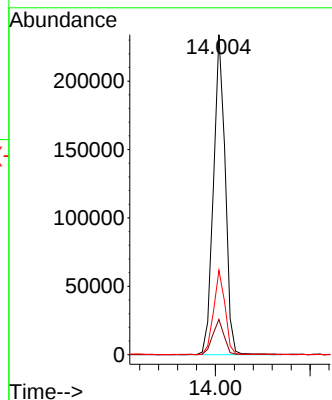
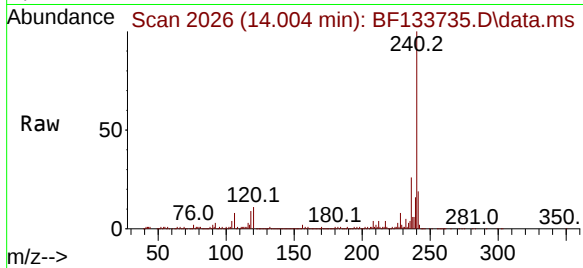




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

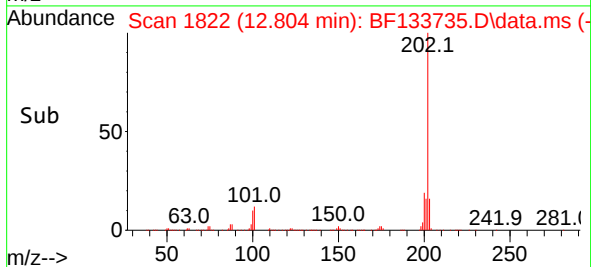
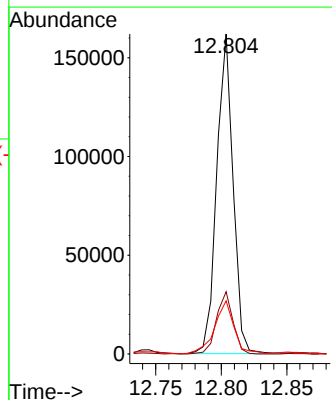
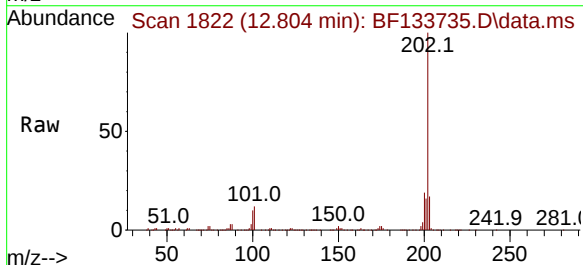
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

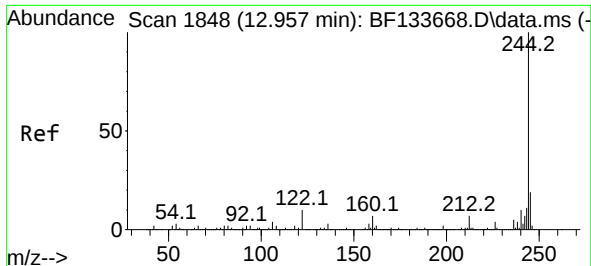
Tgt Ion:240 Resp: 200191  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.1 12.1  
236 26.4 20.5 30.7



#78  
Pyrene  
Concen: 7.518 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

Tgt Ion:202 Resp: 140191  
Ion Ratio Lower Upper  
202 100  
200 19.4 16.2 24.2  
203 16.6 13.9 20.9

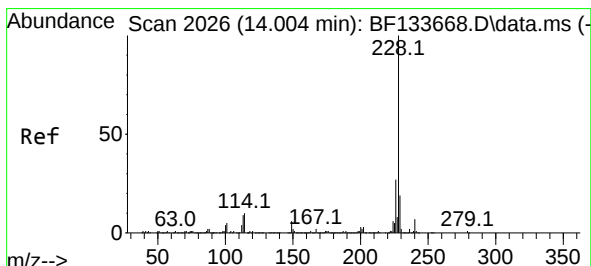
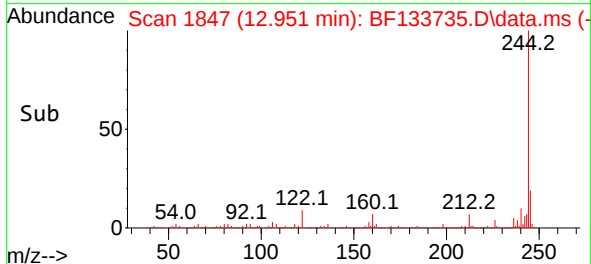
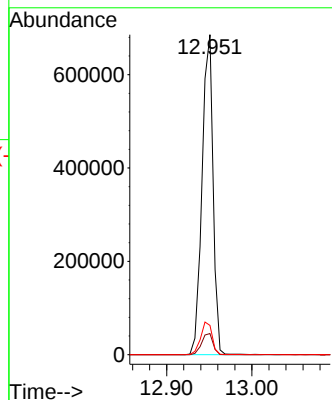
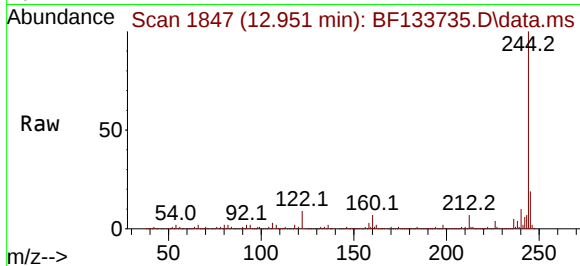




#79  
 Terphenyl-d14  
 Concen: 47.618 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF133735.D  
 Acq: 13 Jun 2023 17:23

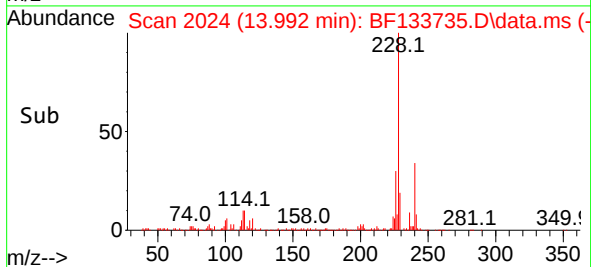
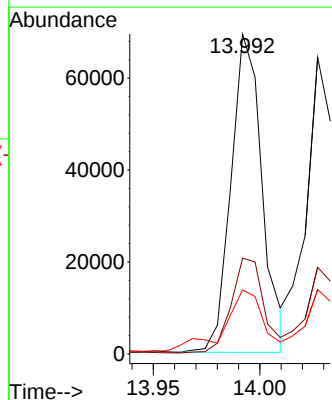
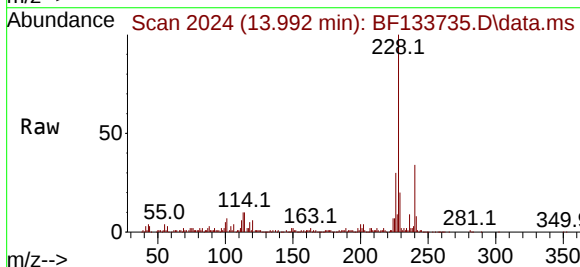
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB34A

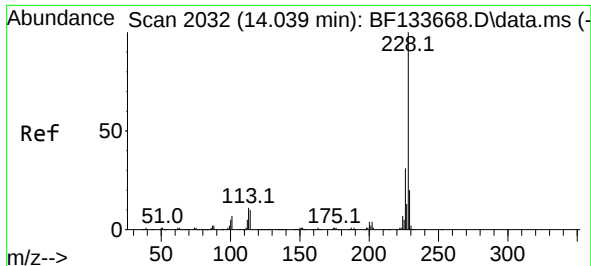
Tgt Ion:244 Resp: 616065  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.2  
 122 9.2 8.1 12.1



#81  
 Benzo(a)anthracene  
 Concen: 5.077 ng  
 RT: 13.992 min Scan# 2024  
 Delta R.T. -0.012 min  
 Lab File: BF133735.D  
 Acq: 13 Jun 2023 17:23

Tgt Ion:228 Resp: 70300  
 Ion Ratio Lower Upper  
 228 100  
 226 30.0 21.7 32.5  
 229 20.0 15.4 23.2

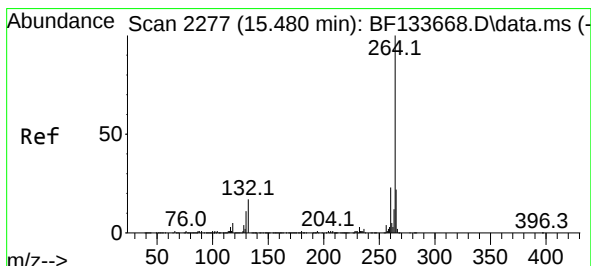
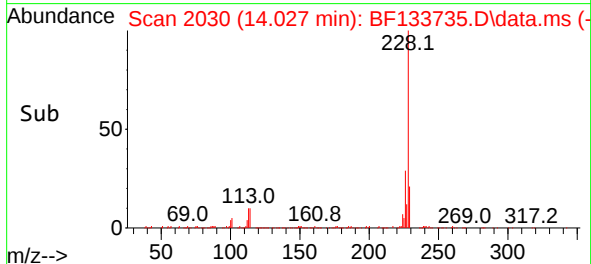
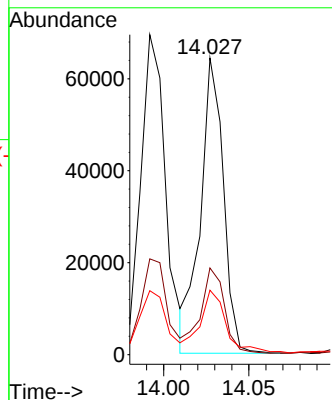
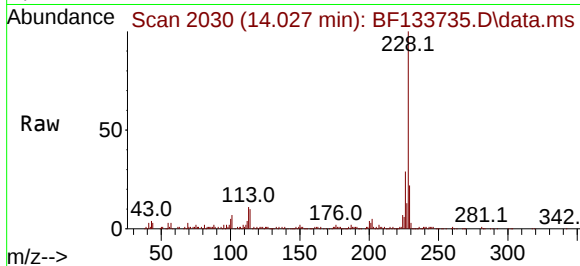




#83  
Chrysene  
Concen: 4.579 ng  
RT: 14.027 min Scan# 2032  
Delta R.T. -0.018 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

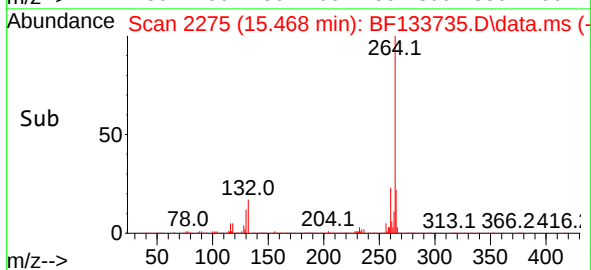
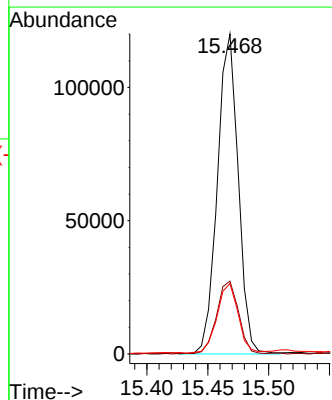
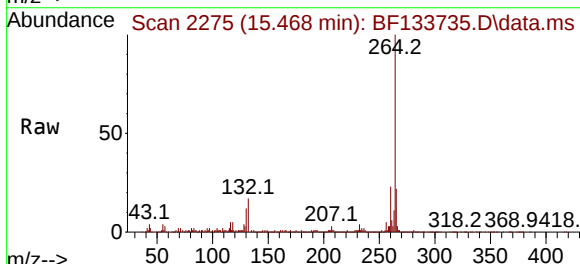
Instrument :  
BNA\_F  
ClientSampleId :  
SB34A

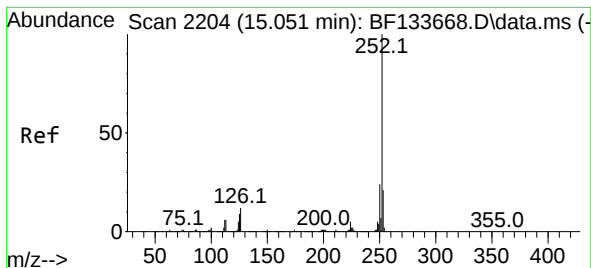
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 59965     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.3  | 25.0 37.6 |
| 229         | 21.8  | 15.8 23.8 |



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 2275  
Delta R.T. -0.012 min  
Lab File: BF133735.D  
Acq: 13 Jun 2023 17:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 143497    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 22.7  | 18.2 27.2 |
| 265         | 22.0  | 17.8 26.6 |





#88

Benzo(b)fluoranthene

Concen: 7.578 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

Instrument :

BNA\_F

ClientSampleId :

SB34A

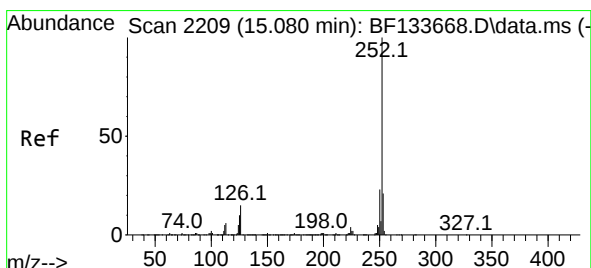
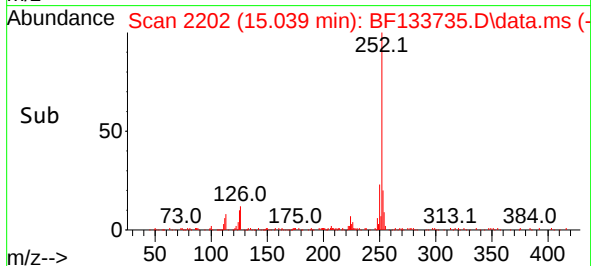
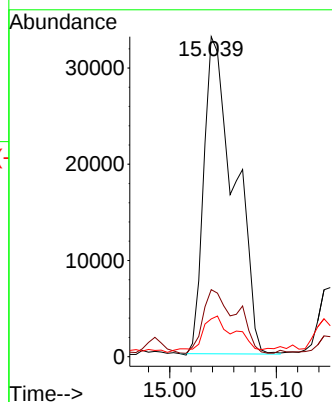
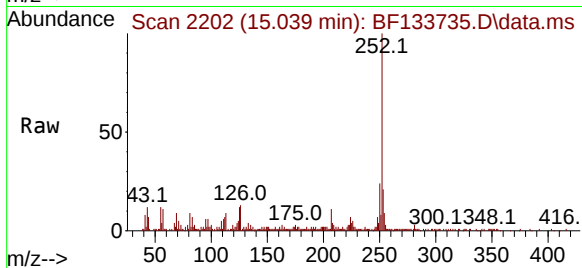
Tgt Ion:252 Resp: 66057

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

125 11.8 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 7.779 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.047 min

Lab File: BF133735.D

Acq: 13 Jun 2023 17:23

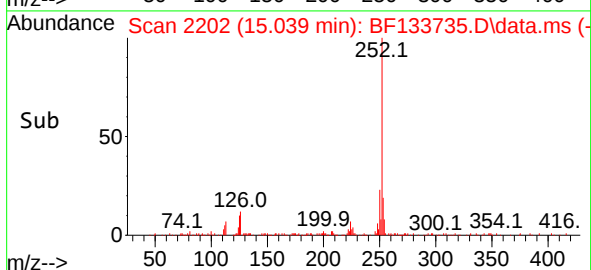
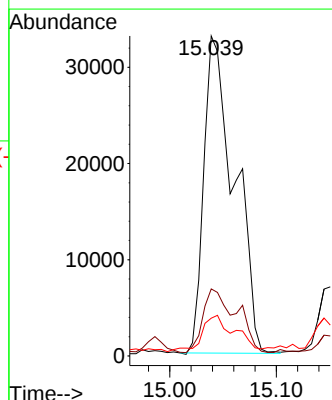
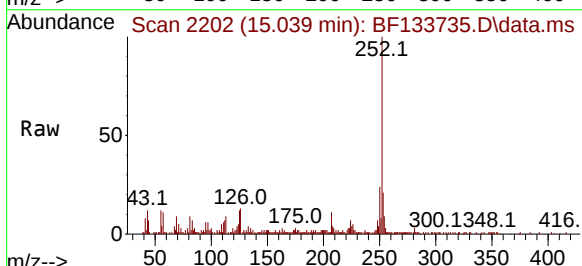
Tgt Ion:252 Resp: 66057

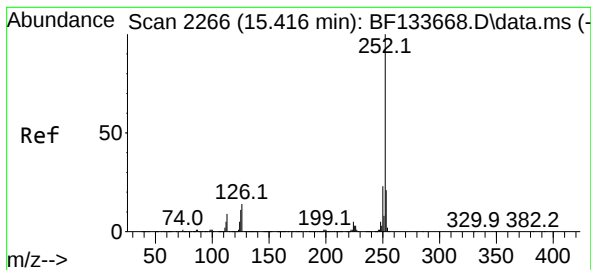
Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.4

125 11.8 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 3.703 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133735.D

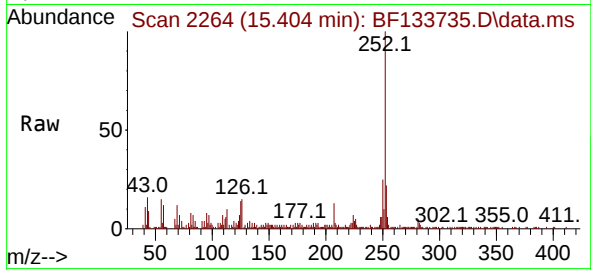
Acq: 13 Jun 2023 17:23

Instrument :

BNA\_F

ClientSampleId :

SB34A



Tgt Ion:252 Resp: 29953

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

125 13.7 8.6 13.0#

