

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
 Data File : BF132044.D  
 Acq On : 12 Jan 2023 16:37  
 Operator : CG\JU  
 Sample : 01084-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2

Quant Time: Jan 13 01:34:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 23:59:08 2023  
 Response via : Initial Calibration

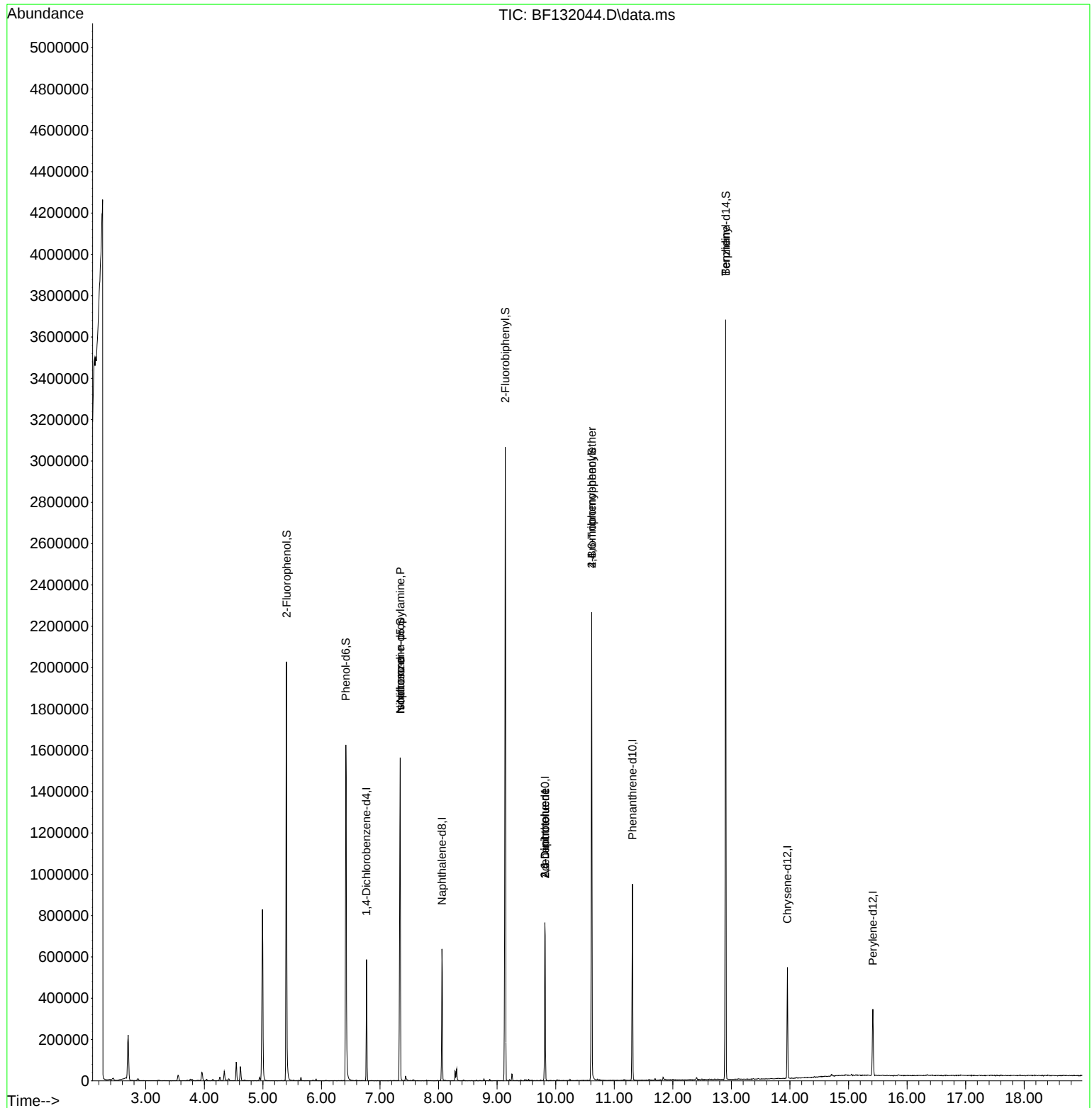
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.769  | 152  | 72407    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 263603   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 155542   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 307875   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.957 | 240  | 164221   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 143200   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 512301   | 116.585 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.416  | 99   | 580363   | 99.613  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 541308   | 85.227  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 238870   | 133.567 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 977279   | 84.819  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 1153526  | 100.676 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.345  | 70   | 76692    | 18.197  | ng    | # 78     |
| 25) Isophorone                | 7.345  | 82   | 539508   | 45.469  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.816  | 165  | 20473    | 8.029   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 20473    | 6.005   | ng    | # 13     |
| 67) 4-Bromophenyl-phenylether | 10.616 | 248  | 16411    | 4.261   | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 18596    | 3.408   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

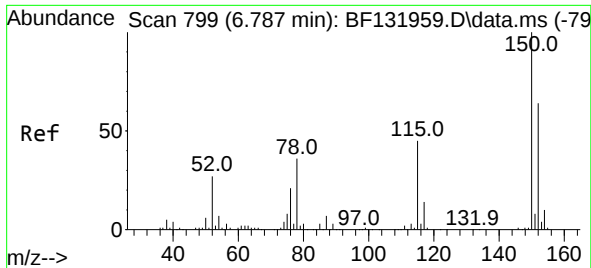
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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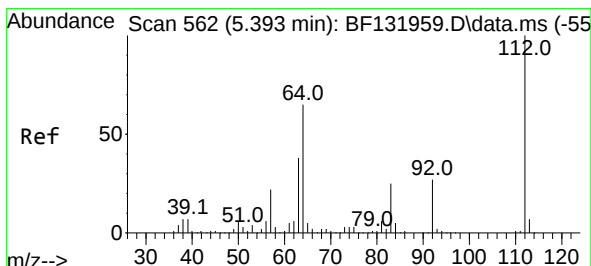
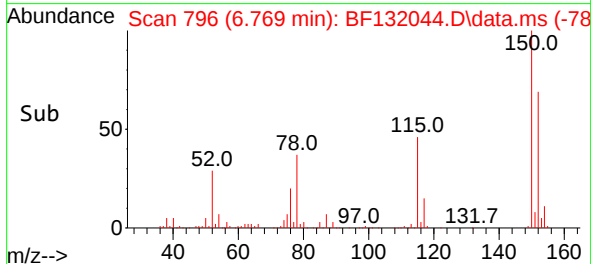
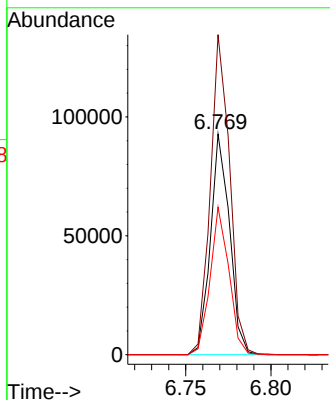
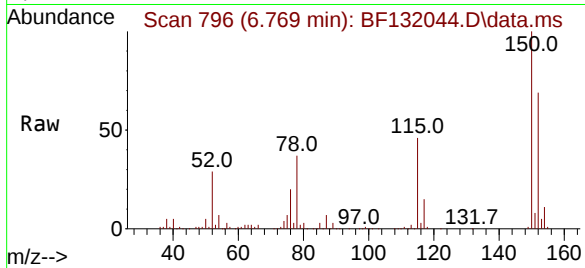




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.769 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

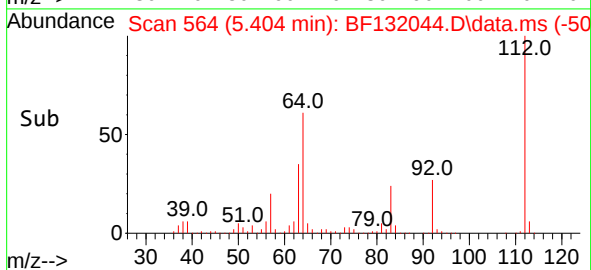
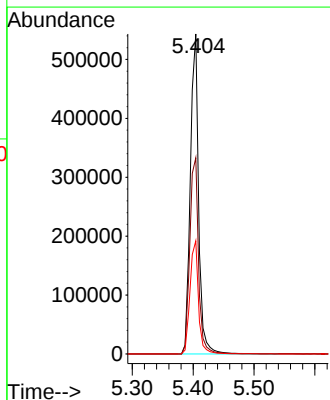
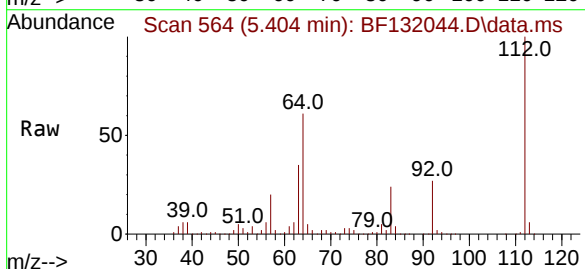
Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

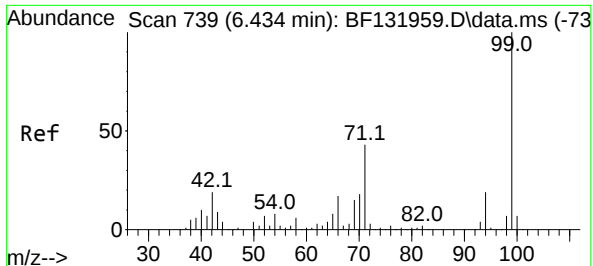
Tgt Ion:152 Resp: 72407  
Ion Ratio Lower Upper  
152 100  
150 145.1 124.6 186.8  
115 66.9 55.6 83.4



#5  
2-Fluorophenol  
Concen: 116.585 ng  
RT: 5.404 min Scan# 564  
Delta R.T. 0.024 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

Tgt Ion:112 Resp: 512301  
Ion Ratio Lower Upper  
112 100  
64 61.3 51.9 77.9  
63 35.3 30.2 45.2

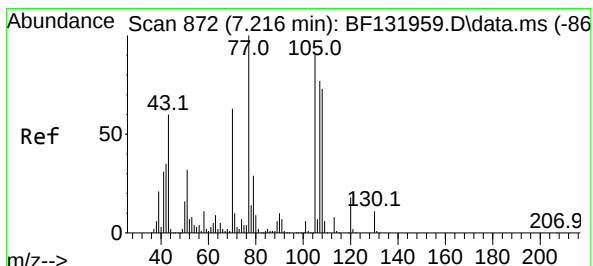
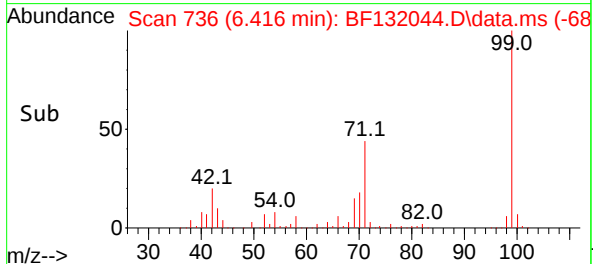
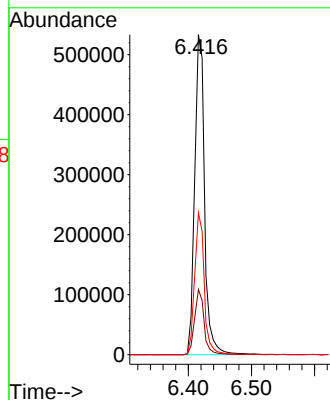
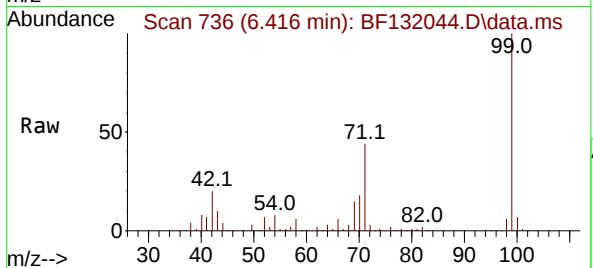




#7  
Phenol-d6  
Concen: 99.613 ng  
RT: 6.416 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

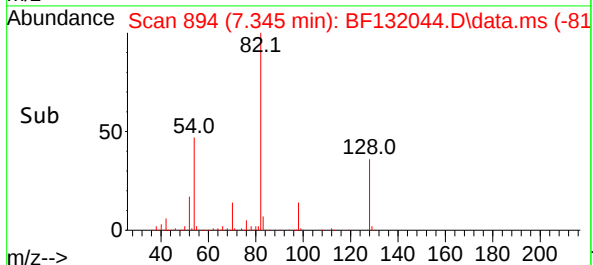
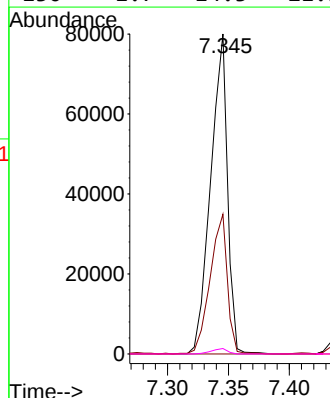
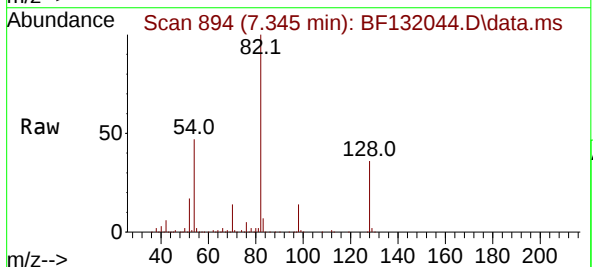
Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

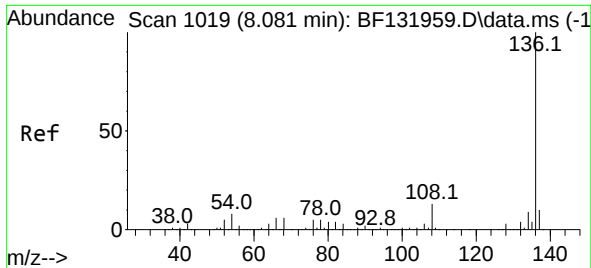
Tgt Ion: 99 Resp: 580363  
Ion Ratio Lower Upper  
99 100  
42 20.4 15.4 23.2  
71 44.3 34.6 51.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.197 ng  
RT: 7.345 min Scan# 894  
Delta R.T. 0.147 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

Tgt Ion: 70 Resp: 76692  
Ion Ratio Lower Upper  
70 100  
42 43.7 44.3 66.5#  
101 0.0 7.5 11.3#  
130 1.7 14.3 21.5#



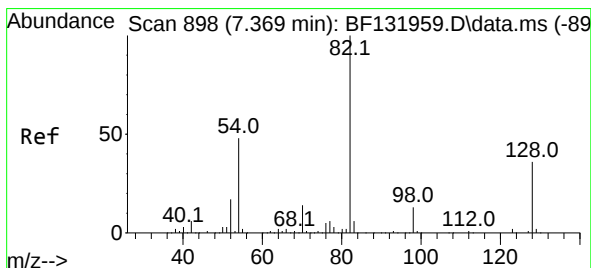
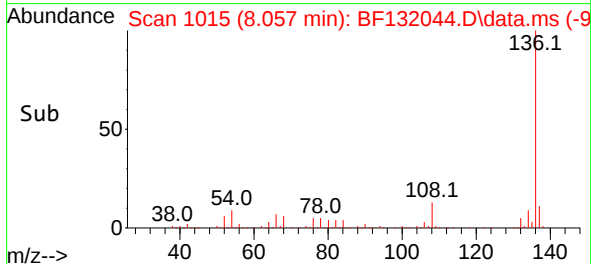
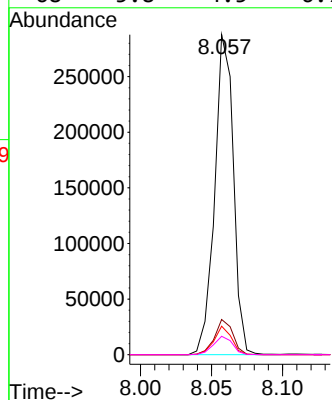
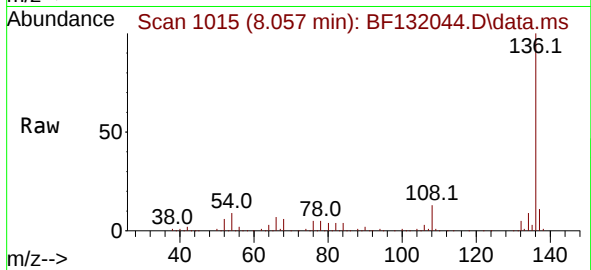


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

Tgt Ion:136 Resp: 263603

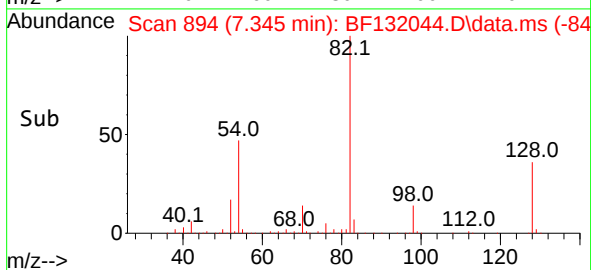
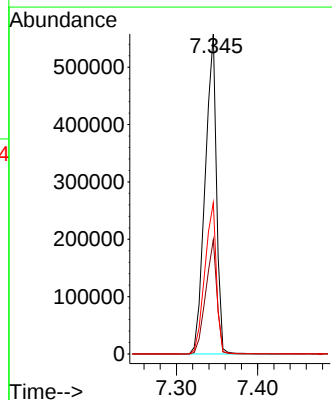
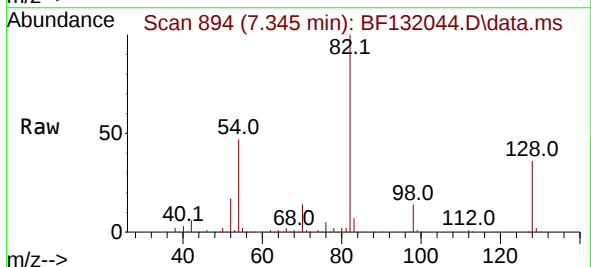
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.2   | 12.2  |
| 54  | 8.9   | 6.6   | 9.8   |
| 68  | 5.8   | 4.5   | 6.7   |

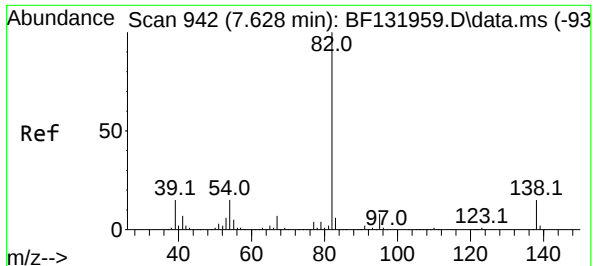


#23  
Nitrobenzene-d5  
Concen: 85.227 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.006 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

Tgt Ion: 82 Resp: 541308

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 35.7  | 28.7  | 43.1  |
| 54  | 47.3  | 38.1  | 57.1  |

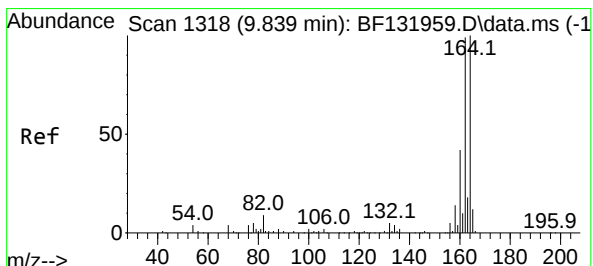
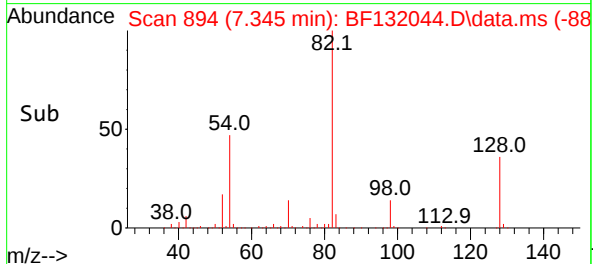
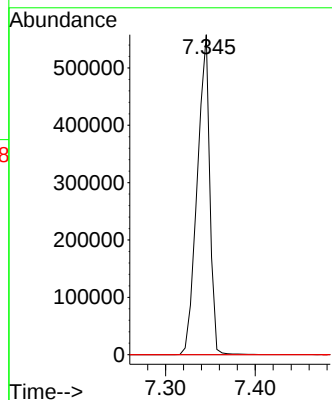
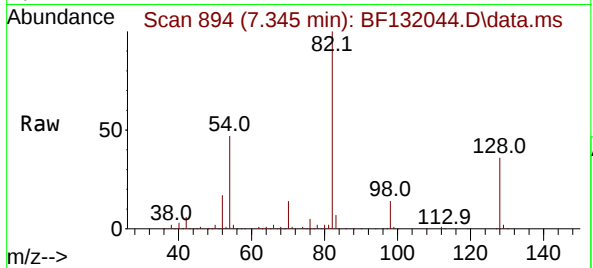




#25  
Isophorone  
Concen: 45.469 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.265 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

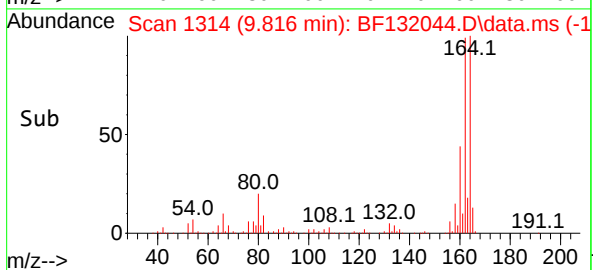
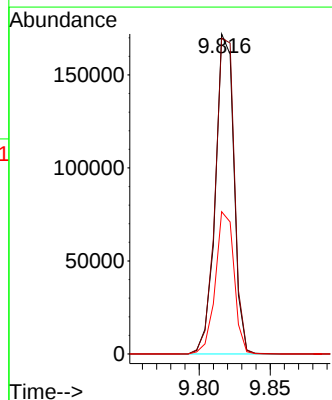
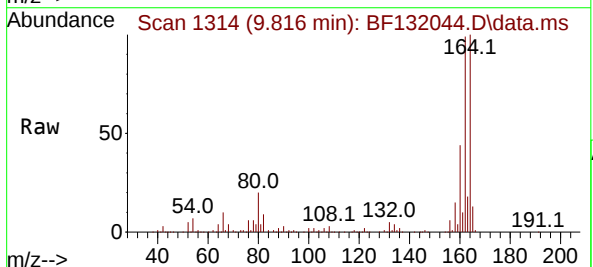
Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

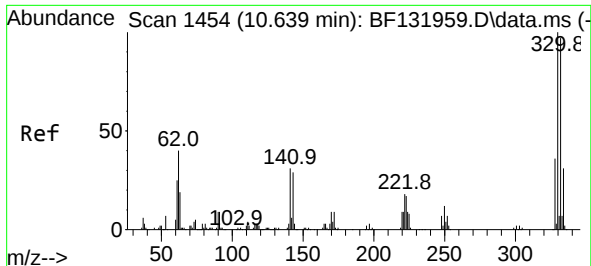
Tgt Ion: 82 Resp: 539508  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 11.9 17.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.012 min  
Lab File: BF132044.D  
Acq: 12 Jan 2023 16:37

Tgt Ion:164 Resp: 155542  
Ion Ratio Lower Upper  
164 100  
162 98.7 79.4 119.0  
160 44.5 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 133.567 ng

RT: 10.616 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Instrument :

BNA\_F

ClientSampleId :

MH-2

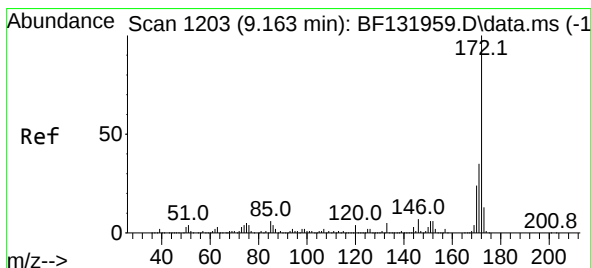
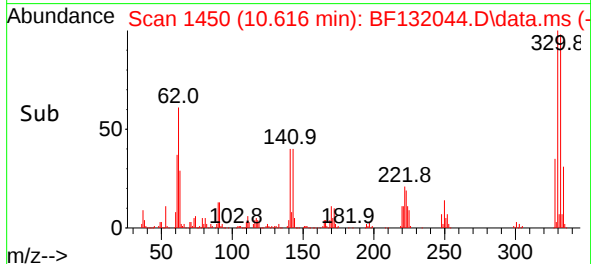
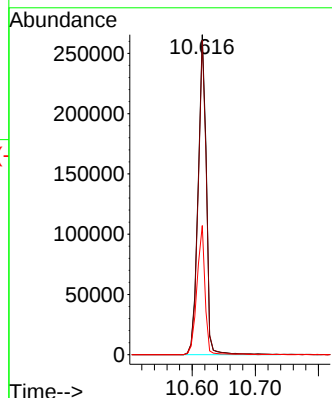
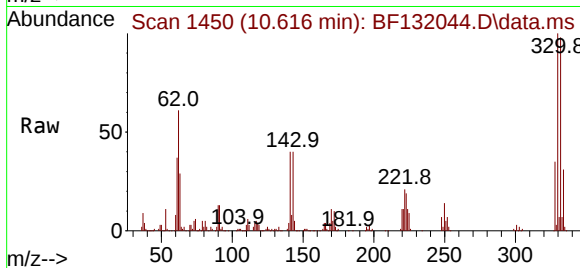
Tgt Ion:330 Resp: 238870

Ion Ratio Lower Upper

330 100

332 97.0 76.9 115.3

141 39.3 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 84.819 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

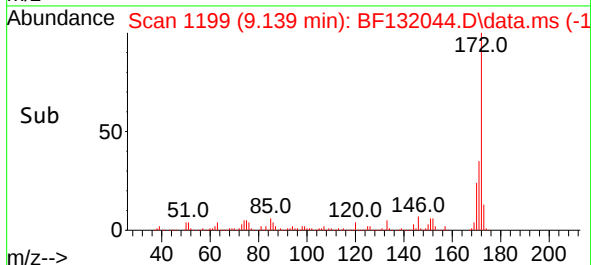
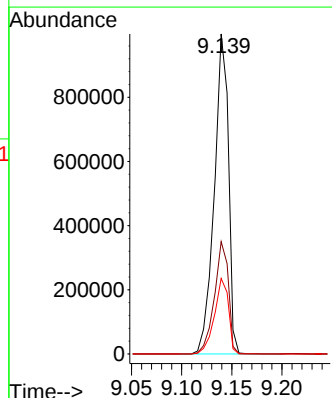
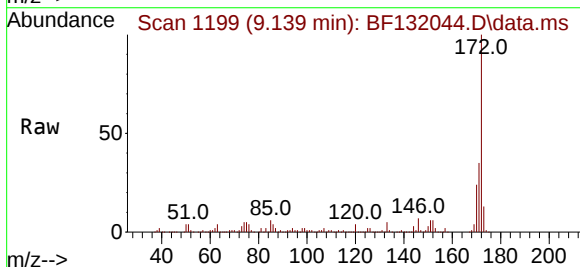
Tgt Ion:172 Resp: 977279

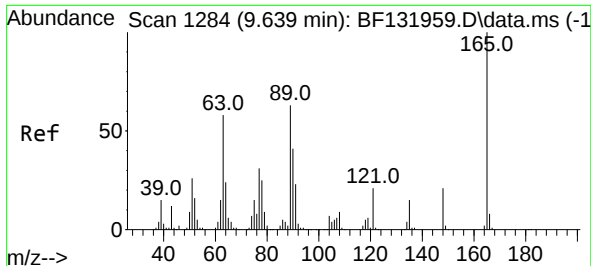
Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.6 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.029 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.194 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Instrument :

BNA\_F

ClientSampleId :

MH-2

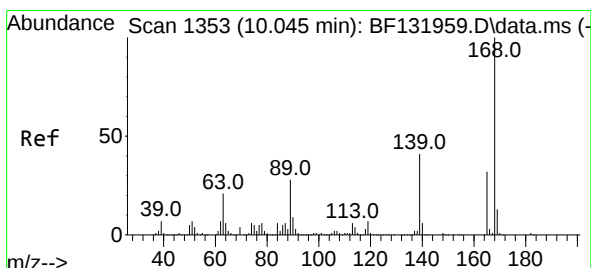
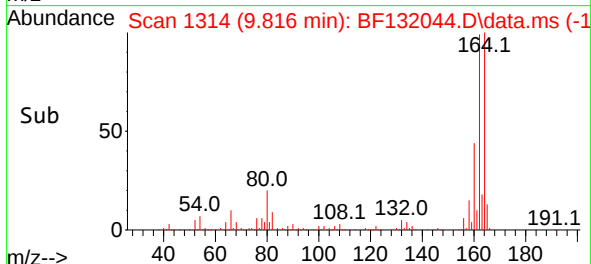
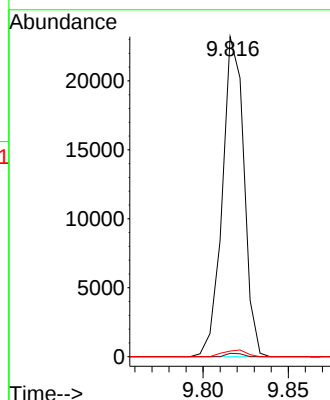
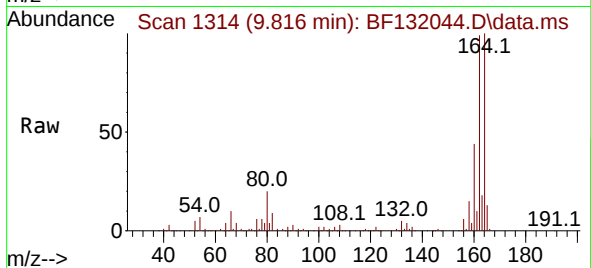
Tgt Ion:165 Resp: 20473

Ion Ratio Lower Upper

165 100

63 1.0 47.4 71.0#

89 1.8 50.2 75.2#



#57

2,4-Dinitrotoluene

Concen: 6.005 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.212 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Tgt Ion:165 Resp: 20473

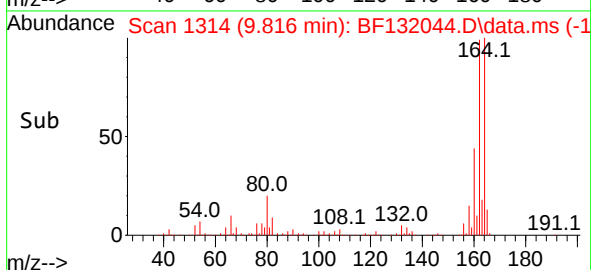
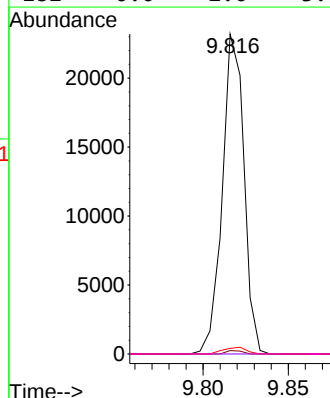
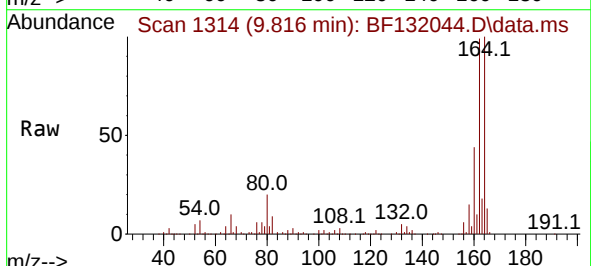
Ion Ratio Lower Upper

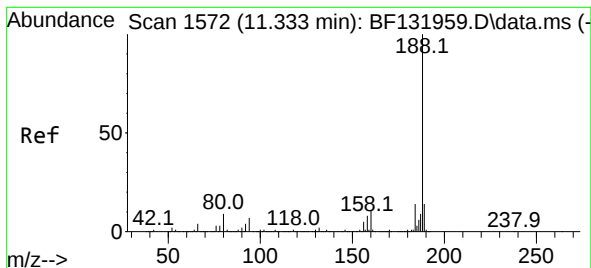
165 100

63 1.0 53.2 79.8#

89 1.8 71.2 106.8#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Instrument :

BNA\_F

ClientSampleId :

MH-2

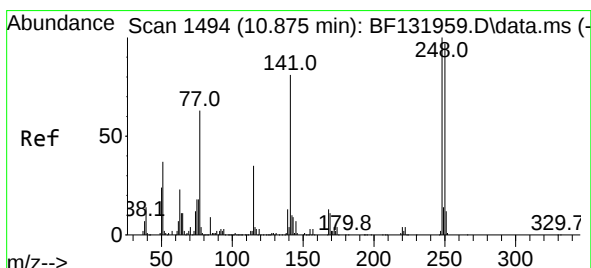
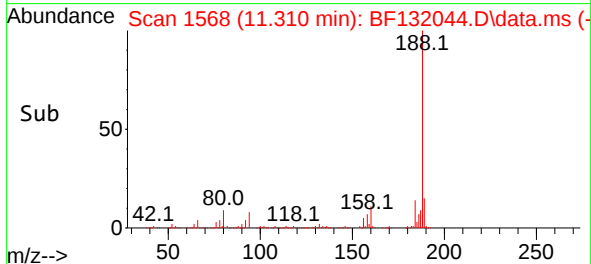
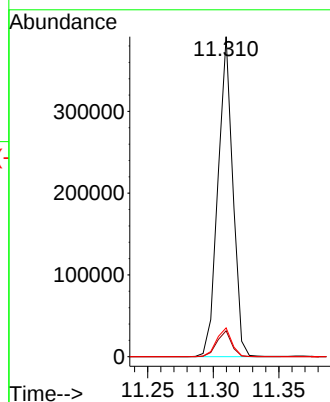
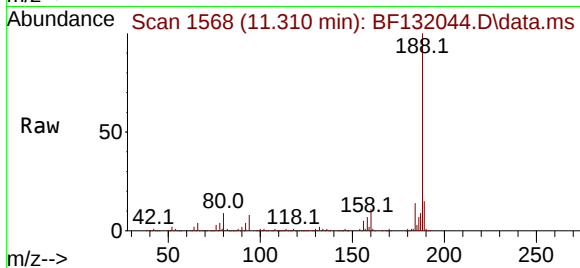
Tgt Ion:188 Resp: 307875

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

80 9.0 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 4.261 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.241 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

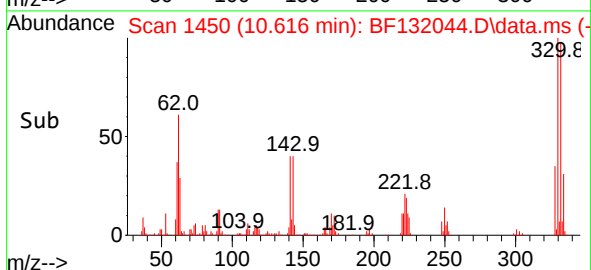
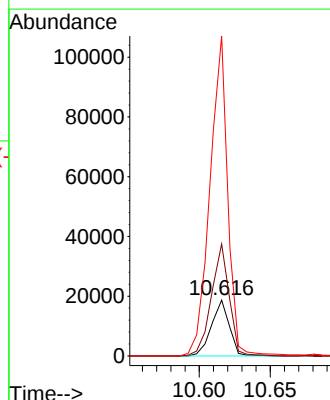
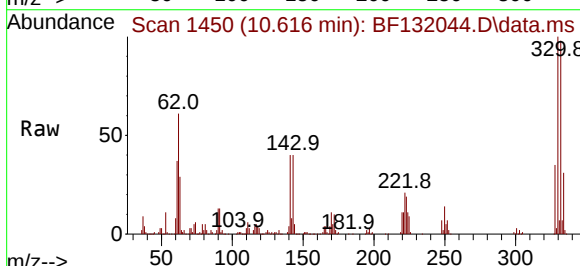
Tgt Ion:248 Resp: 16411

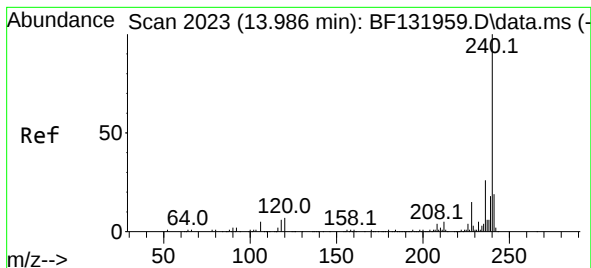
Ion Ratio Lower Upper

248 100

250 200.9 77.4 116.2#

141 573.4 65.0 97.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Instrument :

BNA\_F

ClientSampleId :

MH-2

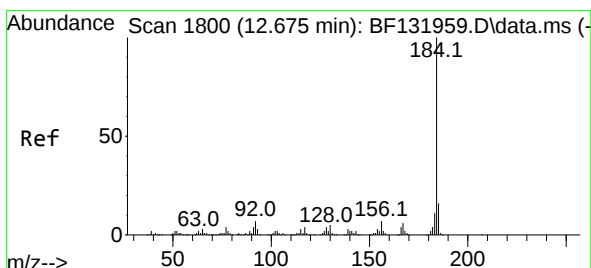
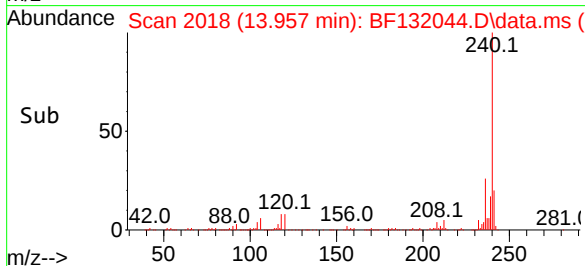
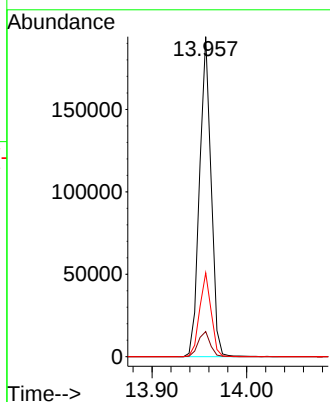
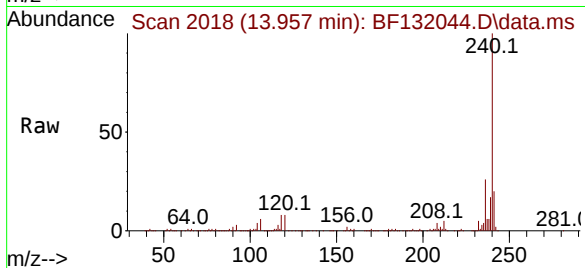
Tgt Ion:240 Resp: 164221

Ion Ratio Lower Upper

240 100

120 7.8 5.4 8.0

236 26.2 21.1 31.7



#77

Benzidine

Concen: 3.408 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.247 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

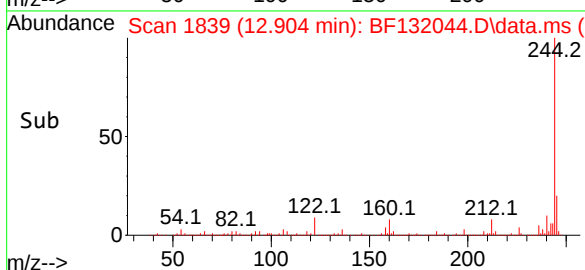
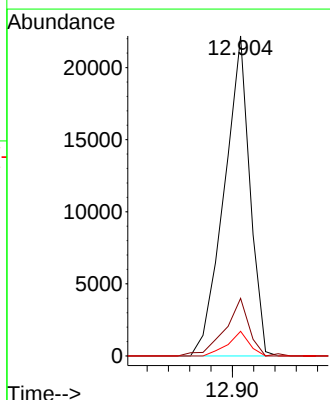
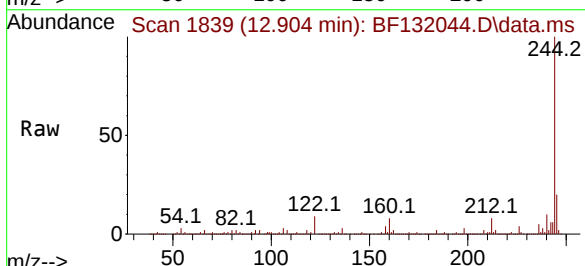
Tgt Ion:184 Resp: 18596

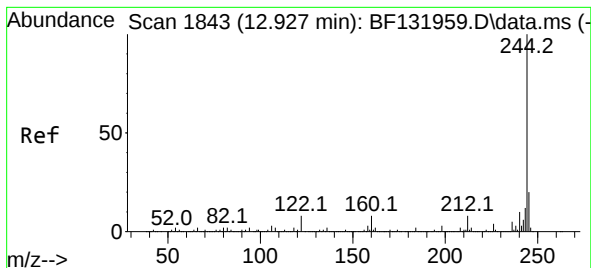
Ion Ratio Lower Upper

184 100

185 18.0 12.8 19.2

183 7.7 9.0 13.4#





#79

Terphenyl-d14

Concen: 100.676 ng

RT: 12.904 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Instrument :

BNA\_F

ClientSampleId :

MH-2

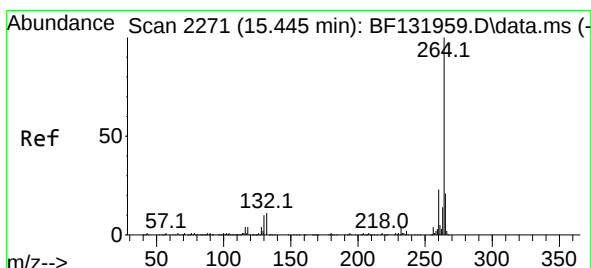
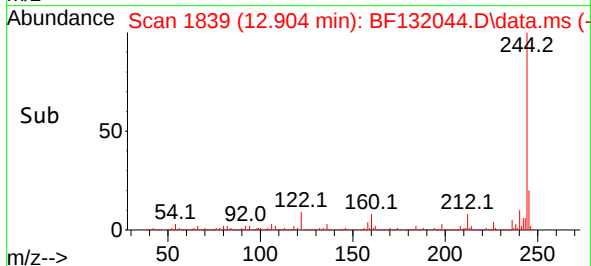
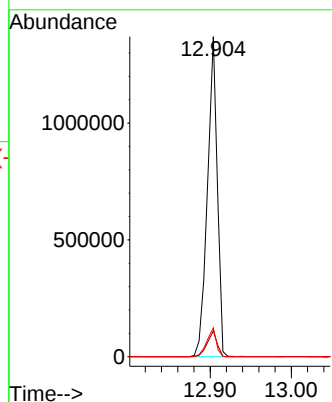
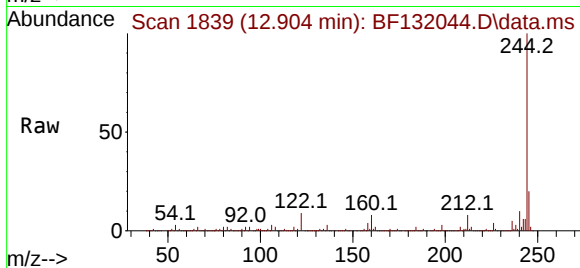
Tgt Ion:244 Resp: 1153526

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

122 9.0 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BF132044.D

Acq: 12 Jan 2023 16:37

Tgt Ion:264 Resp: 143200

Ion Ratio Lower Upper

264 100

260 23.3 18.3 27.5

265 20.9 16.9 25.3

