

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122122\  
 Data File : BF131763.D  
 Acq On : 22 Dec 2022 00:36  
 Operator : CG\JU  
 Sample : N6150-02  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 22 05:53:18 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 21 03:12:37 2022  
 Response via : Initial Calibration

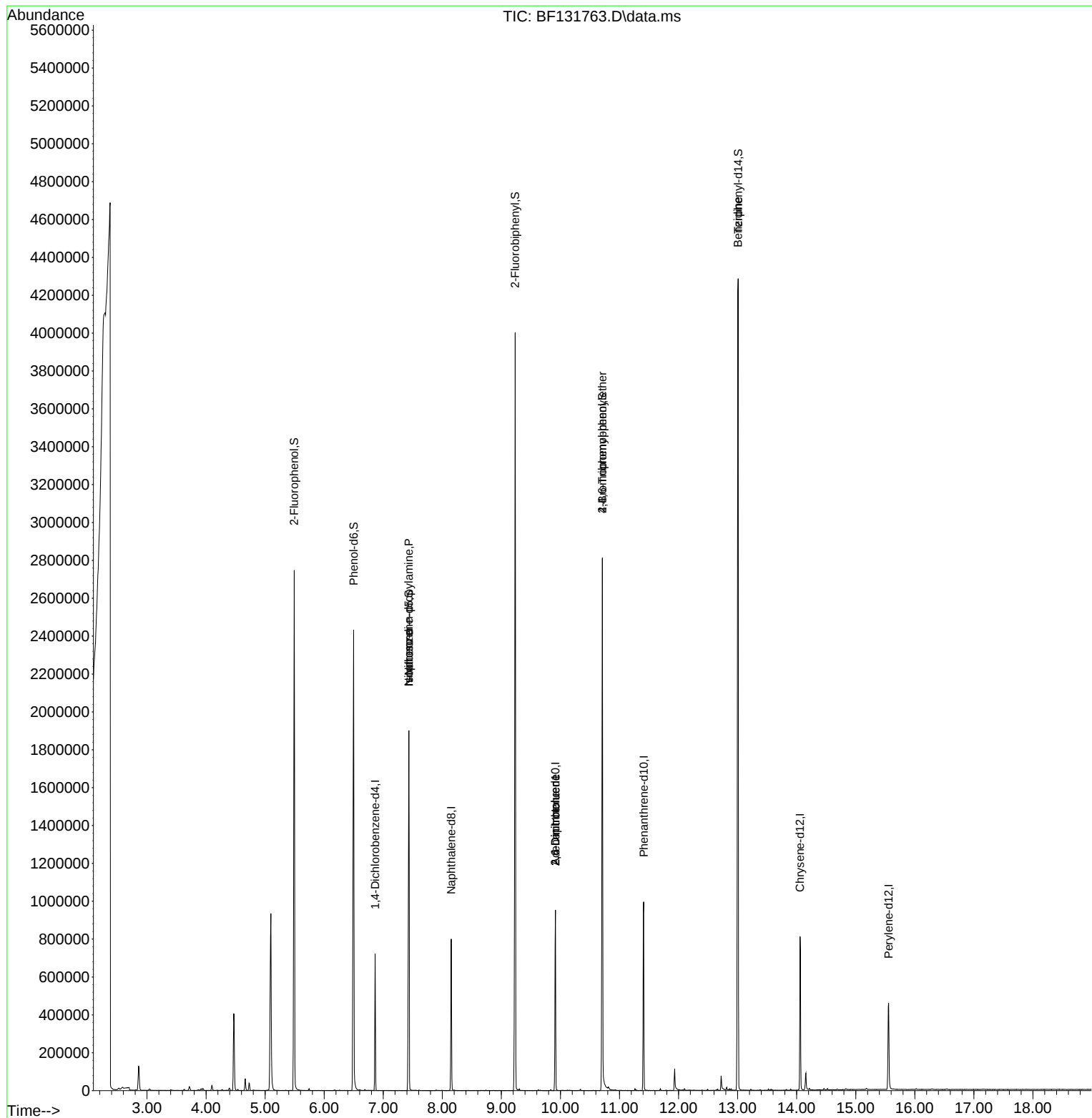
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 87395    | 20.000    | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 310191   | 20.000    | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 186094   | 20.000    | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 370481   | 20.000    | ng     | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 278934   | 20.000    | ng     | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 224324   | 20.000    | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 715529   | 137.865   | ng     | 0.02     |
| 7) Phenol-d6                  | 6.498  | 99   | 864310   | 123.726   | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 709186   | 92.815    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 333117   | 163.544   | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1257163  | 94.633    | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.010 | 244  | 1753541  | 97.978    | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.498  | 77   | 1361     | Below Cal | #      | 5        |
| 19) n-Nitroso-di-n-propyla... | 7.434  | 70   | 98416    | 19.534    | ng     | # 78     |
| 25) Isophorone                | 7.434  | 82   | 706817   | 54.470    | ng     | # 70     |
| 51) 2,6-Dinitrotoluene        | 9.916  | 165  | 23935    | 7.949     | ng     | # 19     |
| 57) 2,4-Dinitrotoluene        | 9.916  | 165  | 23935    | 5.916     | ng     | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.710 | 248  | 22162    | 5.065     | ng     | # 1      |
| 77) Benizidine                | 13.004 | 184  | 26660    | 5.212     | ng     | # 91     |
| -----                         |        |      |          |           |        |          |

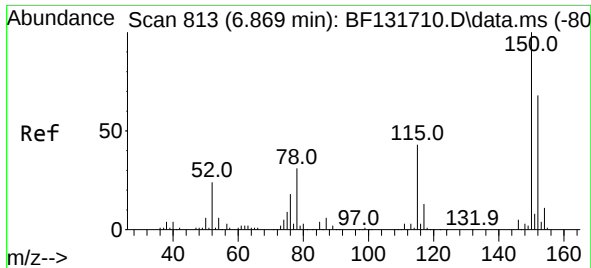
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122122\  
Data File : BF131763.D  
Acq On : 22 Dec 2022 00:36  
Operator : CG\JU  
Sample : N6150-02  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

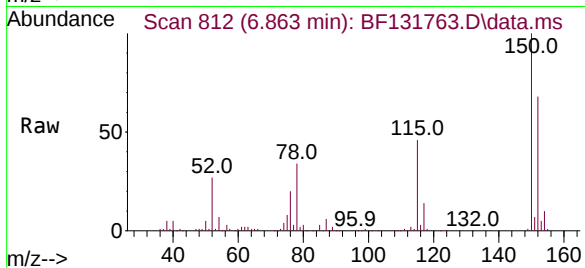
Quant Time: Dec 22 05:53:18 2022  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122022.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Dec 21 03:12:37 2022  
Response via : Initial Calibration



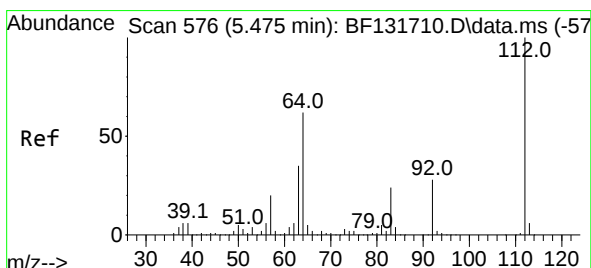
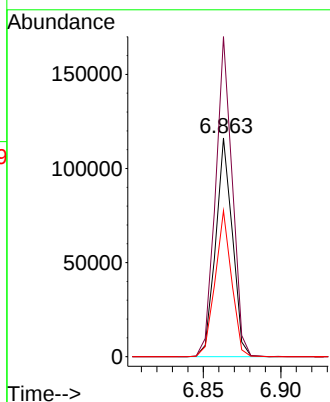
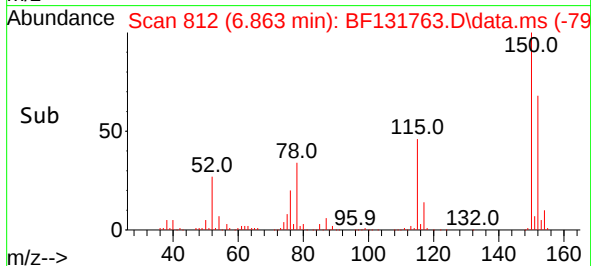


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.863 min Scan# 813  
 Delta R.T. -0.006 min  
 Lab File: BF131763.D  
 Acq: 22 Dec 2022 00:36

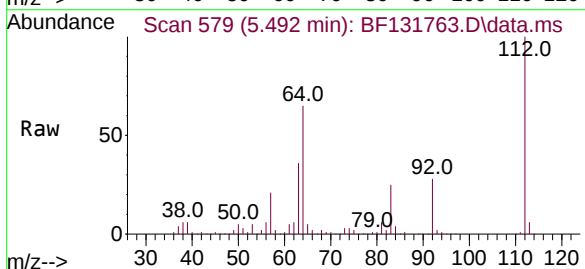
Instrument :  
 BNA\_F  
 ClientSampleId :



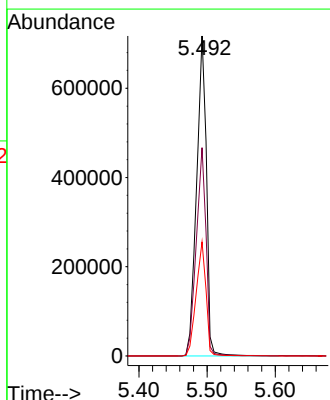
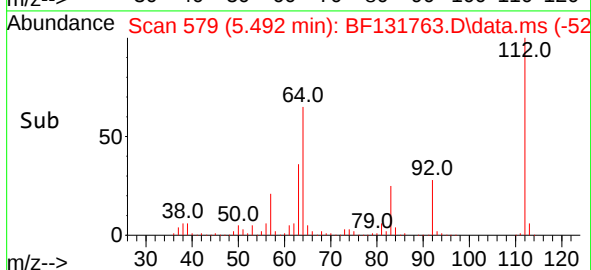
Tgt Ion:152 Resp: 87395  
 Ion Ratio Lower Upper  
 152 100  
 150 146.3 117.4 176.0  
 115 66.7 50.2 75.4

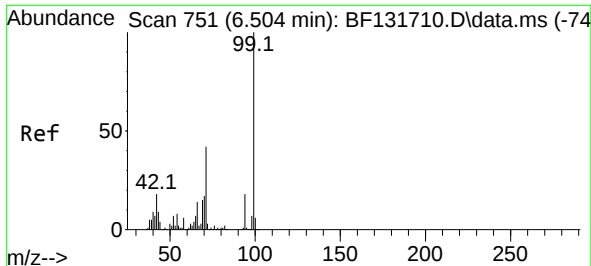


#5  
 2-Fluorophenol  
 Concen: 137.865 ng  
 RT: 5.492 min Scan# 579  
 Delta R.T. 0.018 min  
 Lab File: BF131763.D  
 Acq: 22 Dec 2022 00:36



Tgt Ion:112 Resp: 715529  
 Ion Ratio Lower Upper  
 112 100  
 64 65.1 49.5 74.3  
 63 35.7 28.2 42.2

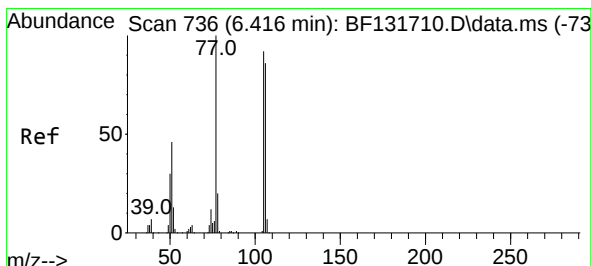
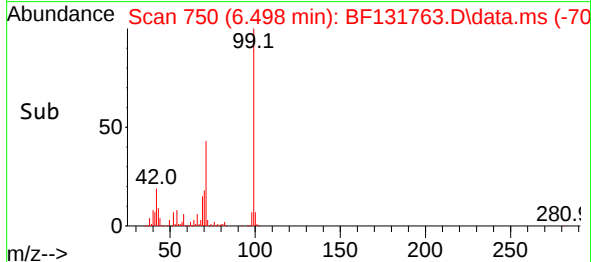
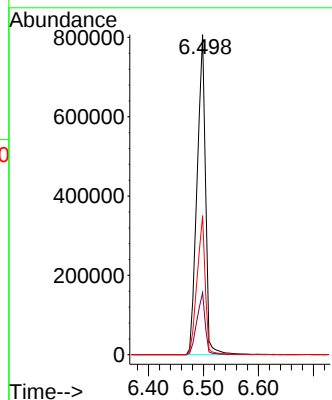
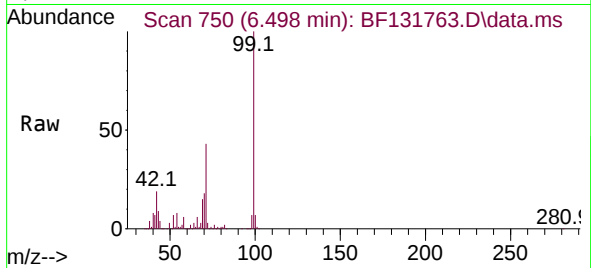




#7  
Phenol-d6  
Concen: 123.726 ng  
RT: 6.498 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

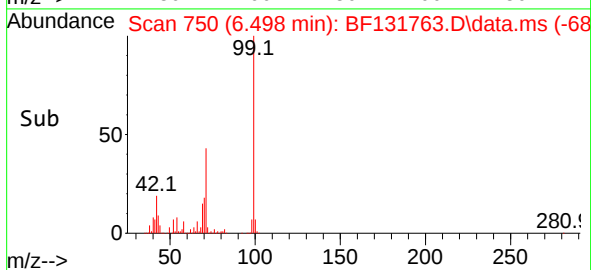
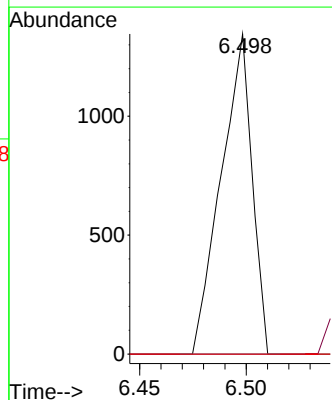
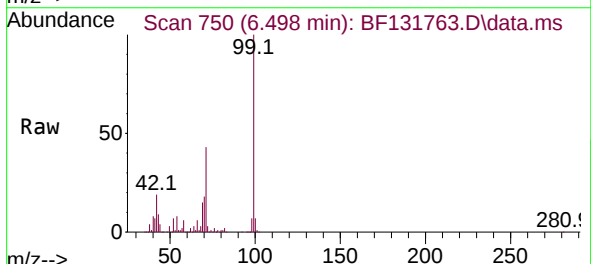
Instrument :  
BNA\_F  
ClientSampleId :

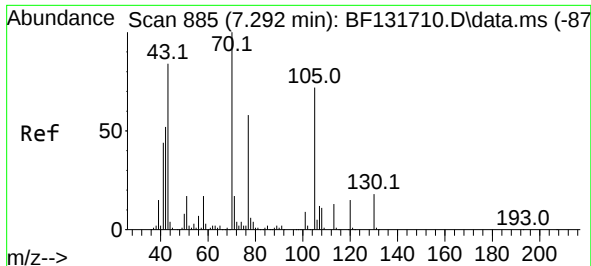
Tgt Ion: 99 Resp: 864310  
Ion Ratio Lower Upper  
99 100  
42 19.4 14.8 22.2  
71 43.5 33.8 50.6



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.498 min Scan# 750  
Delta R.T. 0.082 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

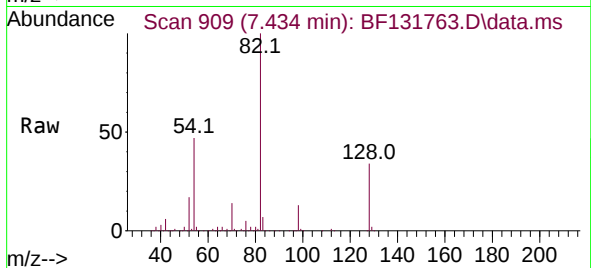
Tgt Ion: 77 Resp: 1361  
Ion Ratio Lower Upper  
77 100  
105 0.0 72.4 112.4#  
106 0.0 66.5 106.5#



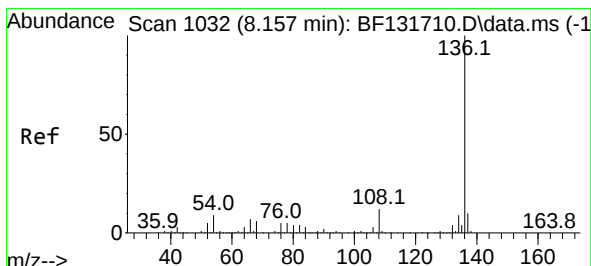
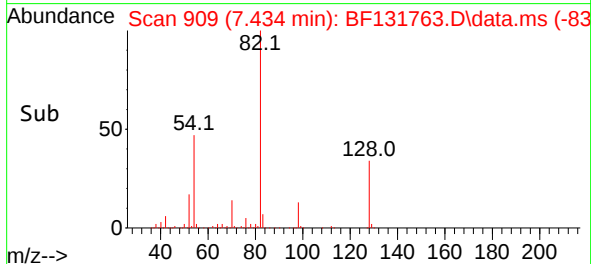
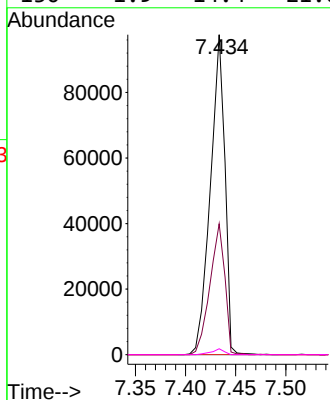


#19  
n-Nitroso-di-n-propylamine  
Concen: 19.534 ng  
RT: 7.434 min Scan# 90  
Delta R.T. 0.141 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

Instrument :  
BNA\_F  
ClientSampleId :

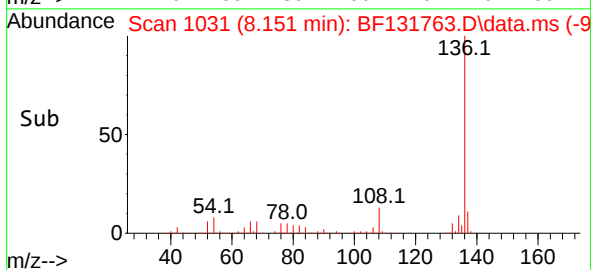
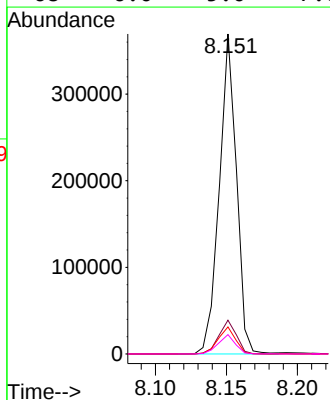
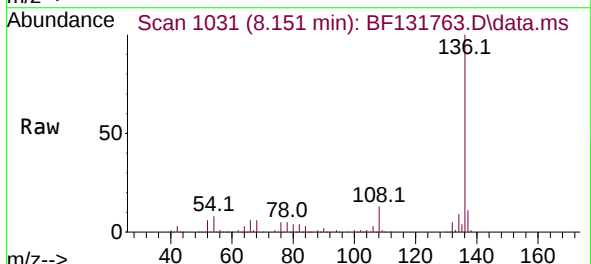


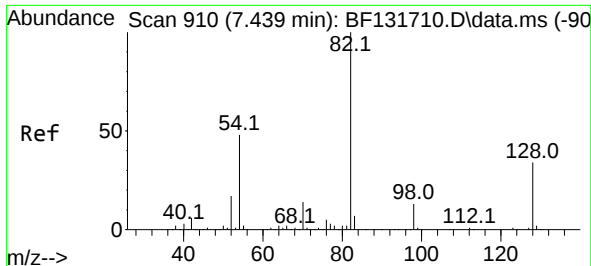
Tgt Ion: 70 Resp: 98416  
Ion Ratio Lower Upper  
70 100  
42 40.9 41.5 62.3#  
101 0.0 7.3 10.9#  
130 1.9 14.4 21.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

Tgt Ion: 136 Resp: 310191  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.4 12.6  
54 8.5 7.2 10.8  
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 92.815 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

Instrument :

BNA\_F

ClientSampleId :

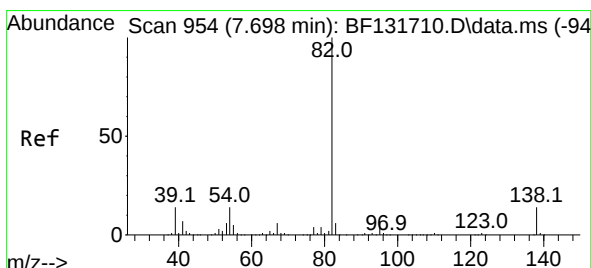
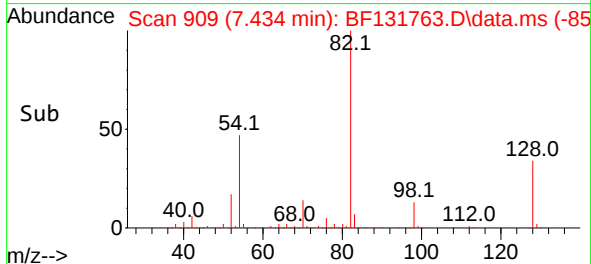
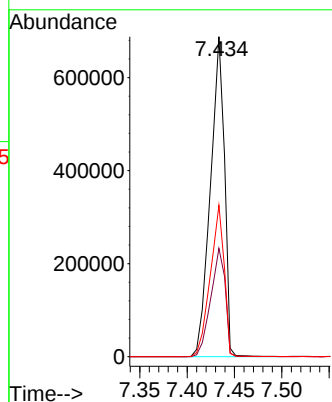
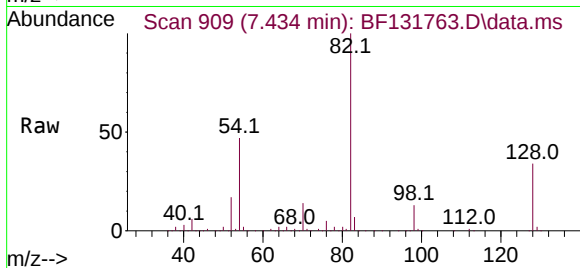
Tgt Ion: 82 Resp: 709186

Ion Ratio Lower Upper

82 100

128 33.8 27.3 40.9

54 47.3 38.2 57.2



#25

Isophorone

Concen: 54.470 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.265 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

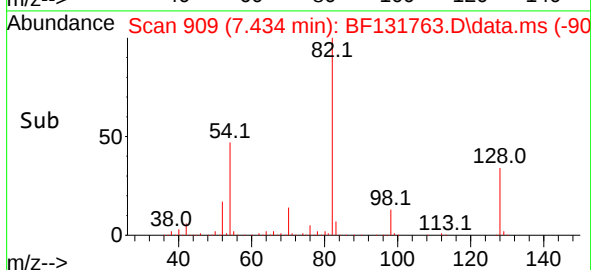
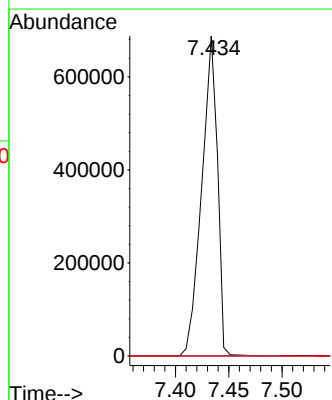
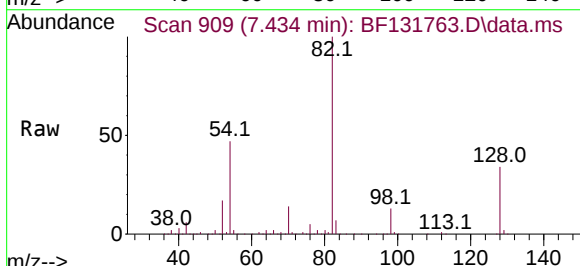
Tgt Ion: 82 Resp: 706817

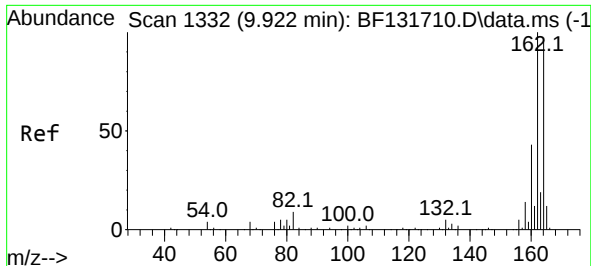
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

Instrument :

BNA\_F

ClientSampleId :

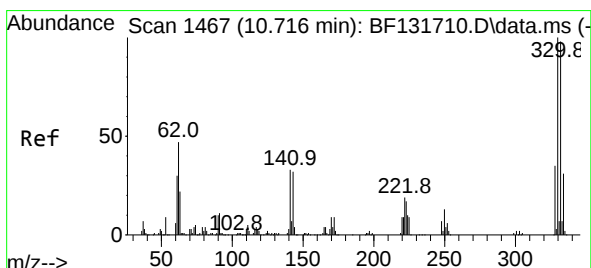
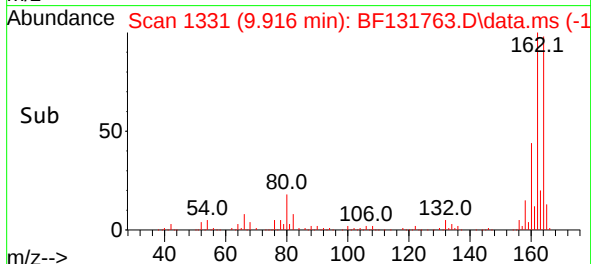
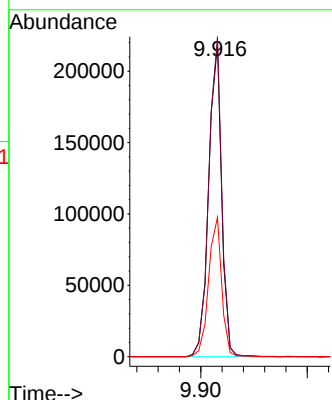
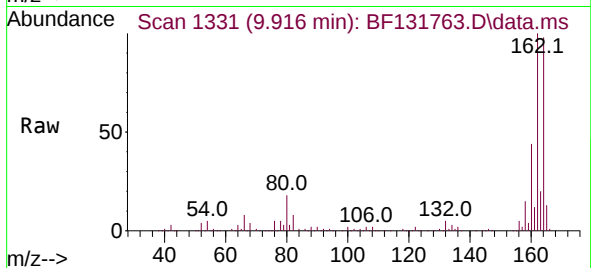
Tgt Ion:164 Resp: 186094

Ion Ratio Lower Upper

164 100

162 102.5 83.7 125.5

160 44.6 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 163.544 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

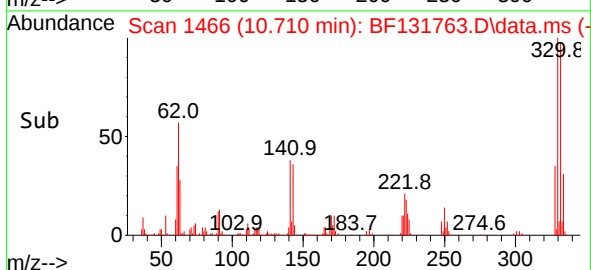
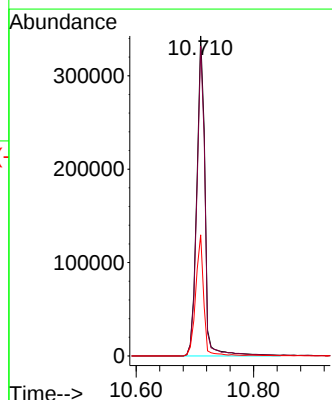
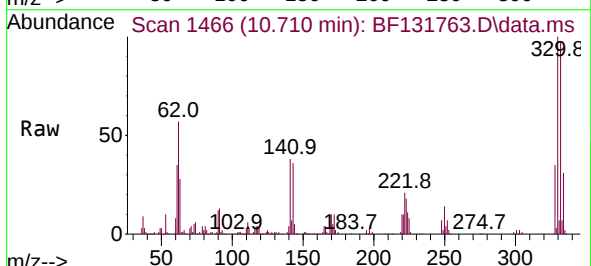
Tgt Ion:330 Resp: 333117

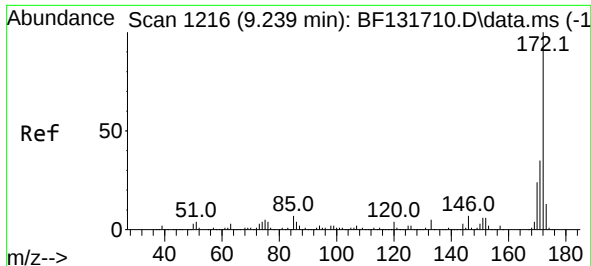
Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

141 36.6 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 94.633 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

Instrument :

BNA\_F

ClientSampleId :

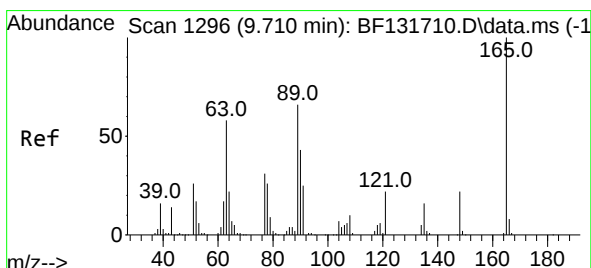
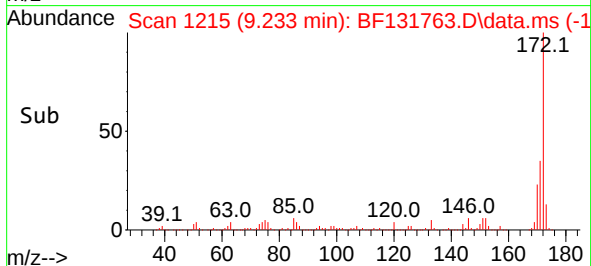
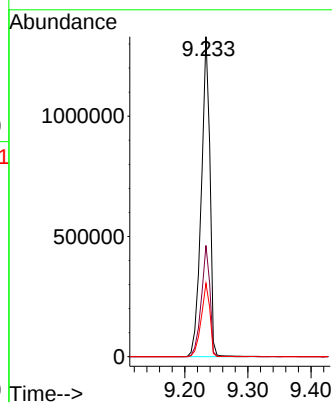
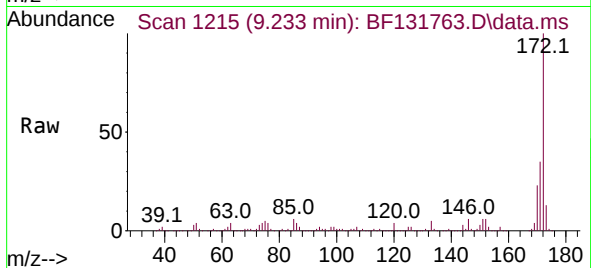
Tgt Ion:172 Resp: 1257163

Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 22.9 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.949 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.206 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

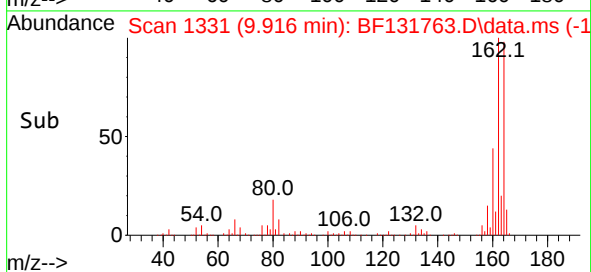
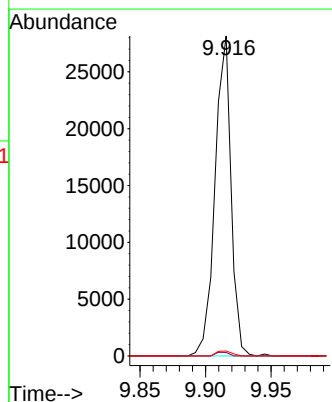
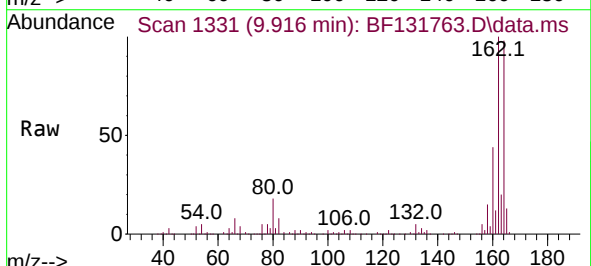
Tgt Ion:165 Resp: 23935

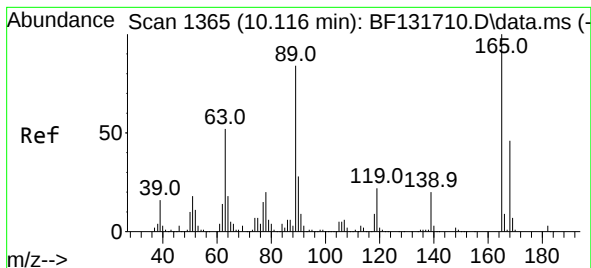
Ion Ratio Lower Upper

165 100

63 1.1 51.8 77.8#

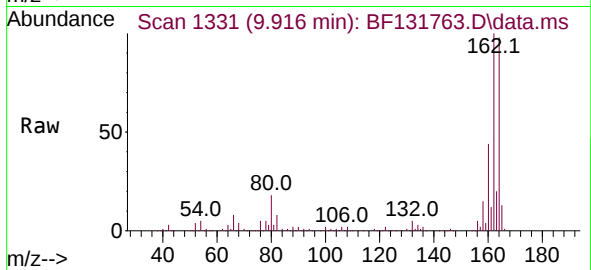
89 1.6 53.2 79.8#



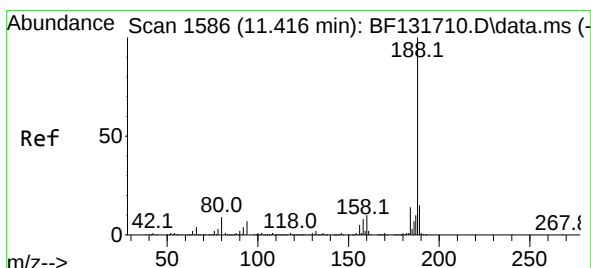
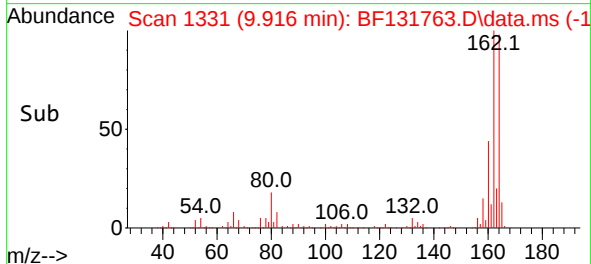
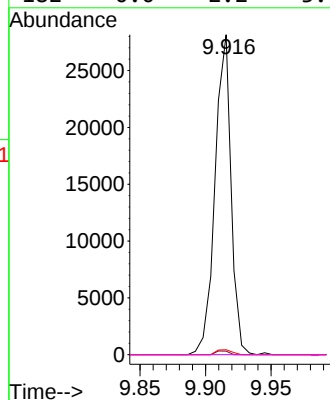


#57  
2,4-Dinitrotoluene  
Concen: 5.916 ng  
RT: 9.916 min Scan# 11  
Delta R.T. -0.200 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

Instrument :  
BNA\_F  
ClientSampleId :

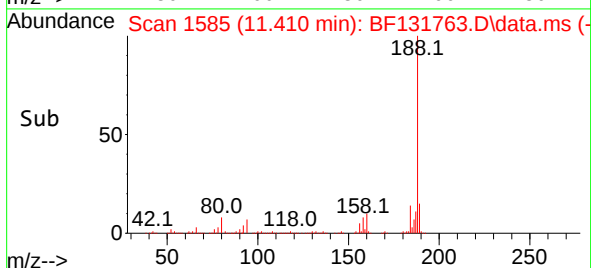
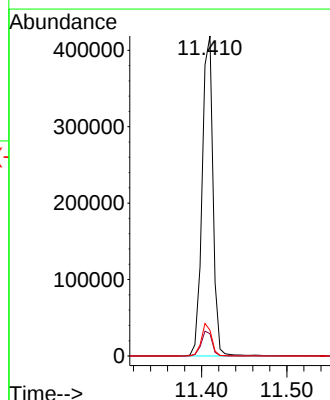
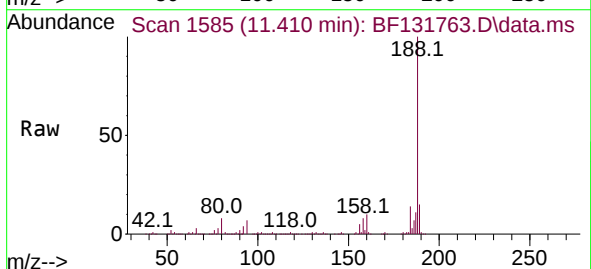


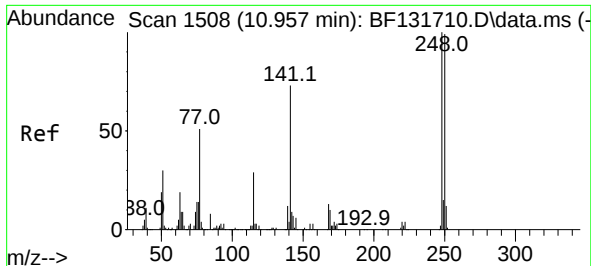
Tgt Ion:165 Resp: 23935  
Ion Ratio Lower Upper  
165 100  
63 1.1 41.5 62.3#  
89 1.6 67.0 100.4#  
182 0.0 2.2 3.4#



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

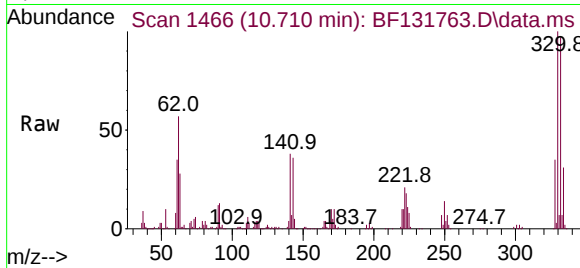
Tgt Ion:188 Resp: 370481  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.9 8.9  
80 8.1 7.0 10.6



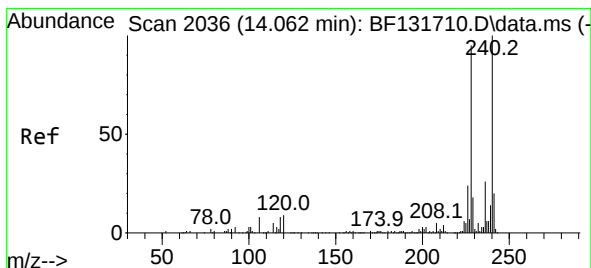
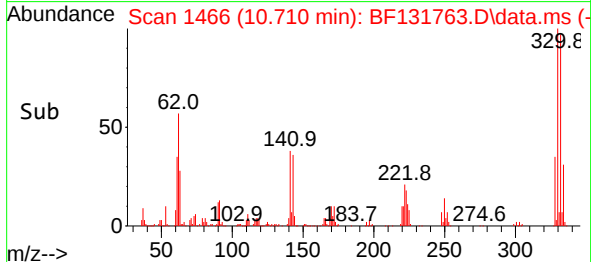
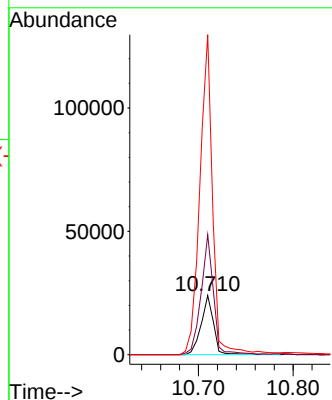


#67  
4-Bromophenyl-phenylether  
Concen: 5.065 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. -0.247 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

Instrument :  
BNA\_F  
ClientSampleId :

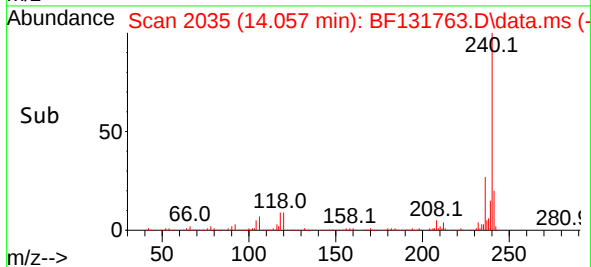
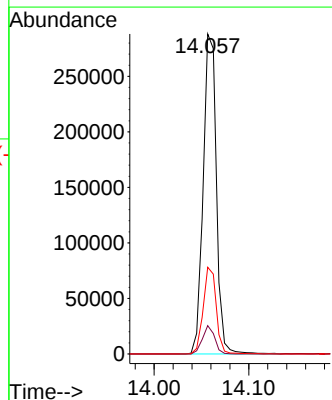
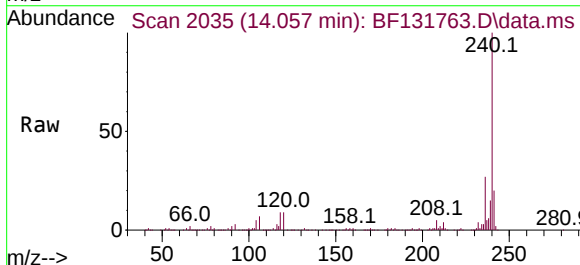


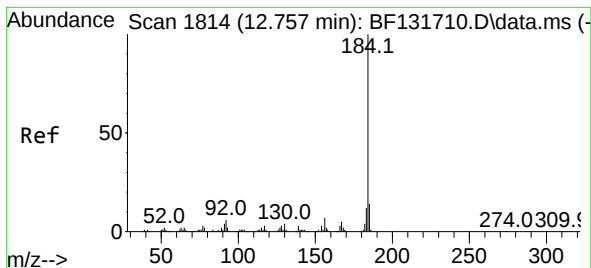
Tgt Ion:248 Resp: 22162  
Ion Ratio Lower Upper  
248 100  
250 202.9 79.4 119.0#  
141 540.9 58.1 87.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. -0.006 min  
Lab File: BF131763.D  
Acq: 22 Dec 2022 00:36

Tgt Ion:240 Resp: 278934  
Ion Ratio Lower Upper  
240 100  
120 8.8 7.6 11.4  
236 27.1 21.2 31.8





#77

Benzidine

Concen: 5.212 ng

RT: 13.004 min Scan# 1856

Delta R.T. 0.247 min

Lab File: BF131763.D

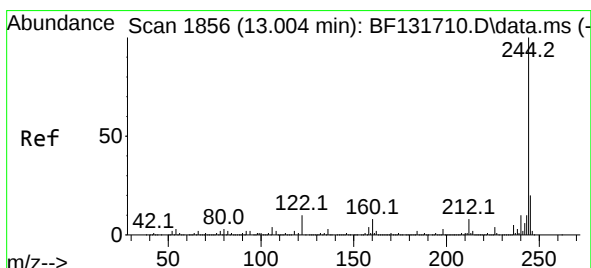
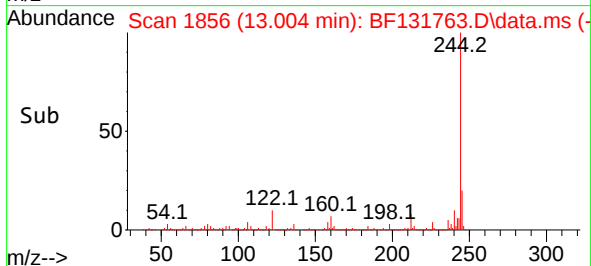
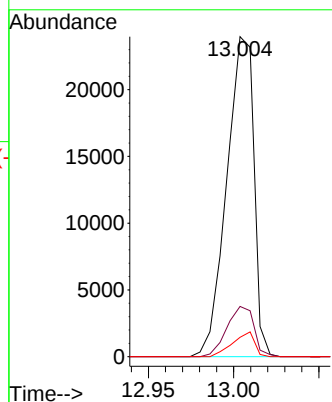
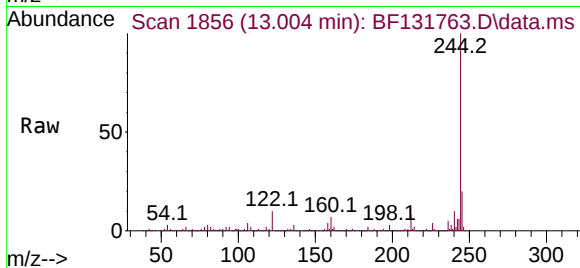
Acq: 22 Dec 2022 00:36

Instrument :

BNA\_F

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 26660     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 15.7  | 11.3 16.9 |
| 183         | 6.0   | 9.3 13.9# |



#79

Terphenyl-d14

Concen: 97.978 ng

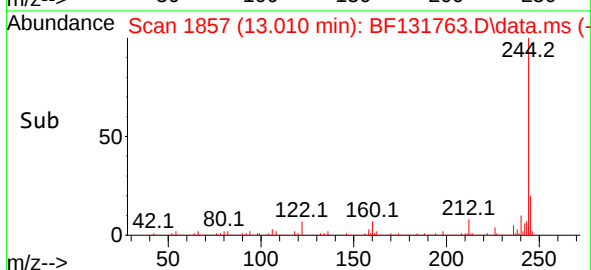
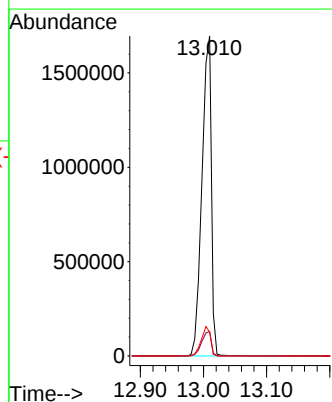
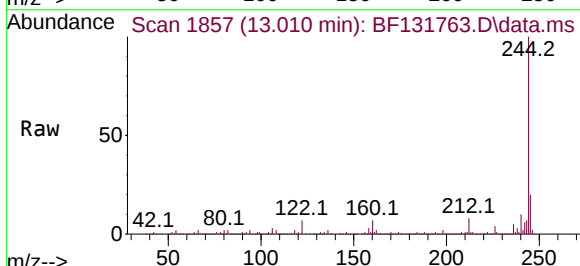
RT: 13.010 min Scan# 1857

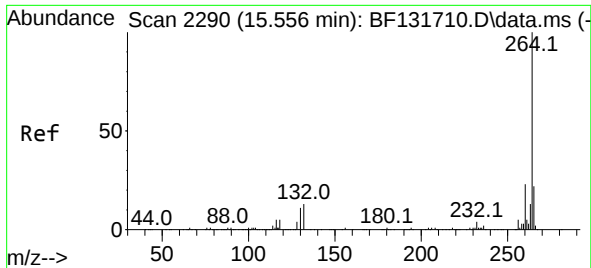
Delta R.T. 0.006 min

Lab File: BF131763.D

Acq: 22 Dec 2022 00:36

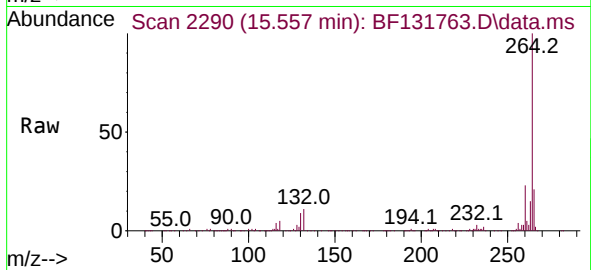
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:244 | Resp: | 1753541   |
| Ion Ratio   | Lower | Upper     |
| 244         | 100   |           |
| 212         | 7.6   | 6.5 9.7   |
| 122         | 7.4   | 7.7 11.5# |





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.557 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF131763.D  
 Acq: 22 Dec 2022 00:36

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:264 Resp: 224324

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.7  | 18.6  | 28.0  |
| 265 | 20.8  | 17.4  | 26.2  |

