

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042423\  
 Data File : BF133006.D  
 Acq On : 24 Apr 2023 20:52  
 Operator : CG\JU  
 Sample : 02471-02RE  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WWRE

Quant Time: Apr 25 02:11:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 22 03:30:56 2023  
 Response via : Initial Calibration

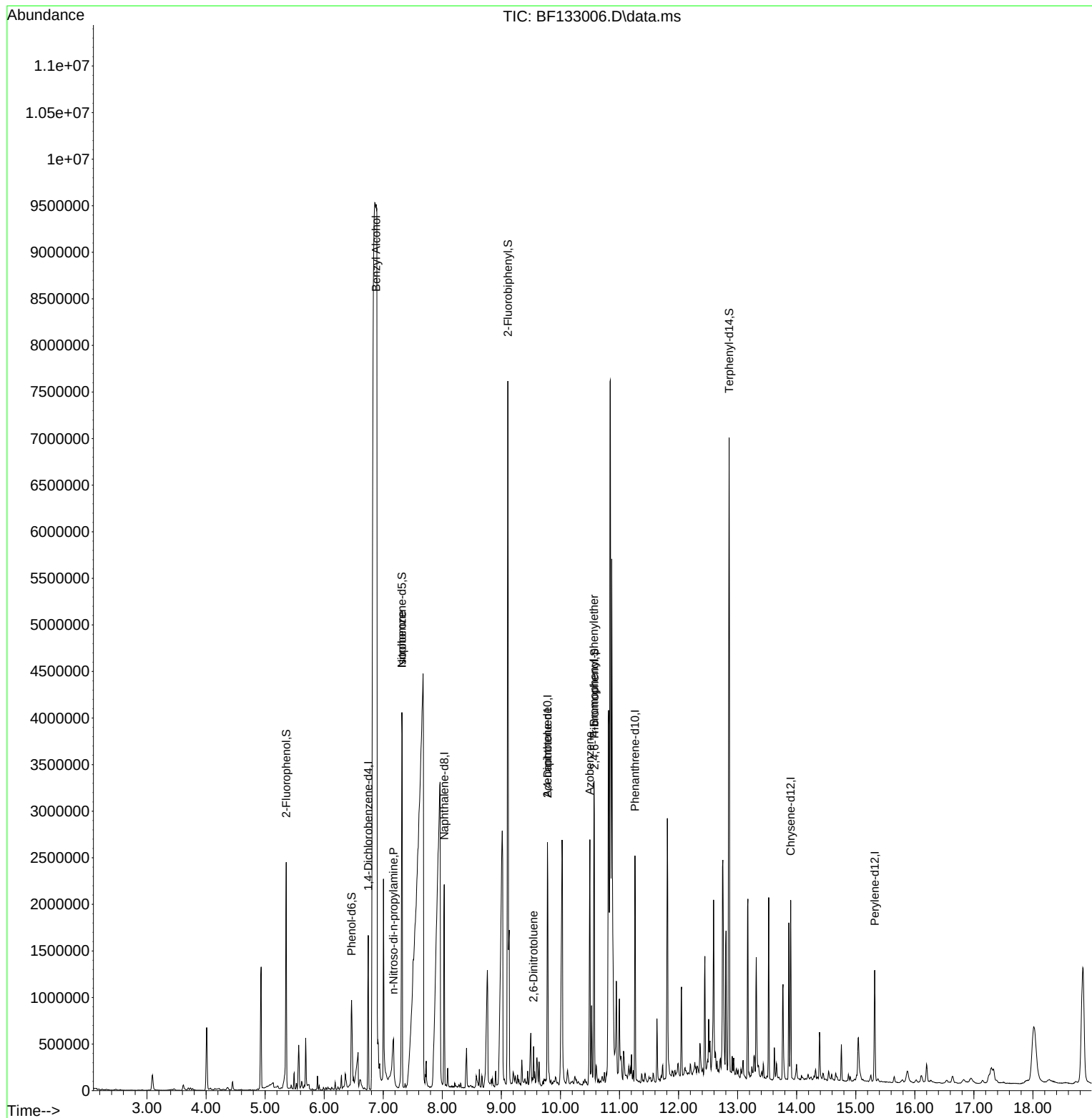
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 213604   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.033  | 136  | 869742   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.780  | 164  | 446706   | 20.000    | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.263 | 188  | 823386   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.898 | 240  | 579827   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.321 | 264  | 479200   | 20.000    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.357  | 112  | 632040   | 44.698    | ng    | 0.00     |
| 7) Phenol-d6                  | 6.463  | 99   | 464030   | 26.439    | ng    | 0.08     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 1426929  | 88.556    | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 432351   | 96.239    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 2279915  | 85.387    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.857 | 244  | 2776151  | 82.575    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.286  | 77   | 1083     | Below Cal |       | 86       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 39331    | 3.244 ng  | #     | 29       |
| 19) n-Nitroso-di-n-propyla... | 7.175  | 70   | 48953    | 4.480 ng  | #     | 39       |
| 25) Isophorone                | 7.316  | 82   | 1426388  | 46.624 ng | #     | 63       |
| 51) 2,6-Dinitrotoluene        | 9.545  | 165  | 28710    | 4.095 ng  | #     | 26       |
| 57) 2,4-Dinitrotoluene        | 9.780  | 165  | 57844    | 6.470 ng  | #     | 24       |
| 63) Azobenzene                | 10.498 | 77   | 428107   | 13.736 ng | #     | 1        |
| 67) 4-Bromophenyl-phenylether | 10.569 | 248  | 27458    | 3.075 ng  | #     | 1        |
| -----                         |        |      |          |           |       |          |

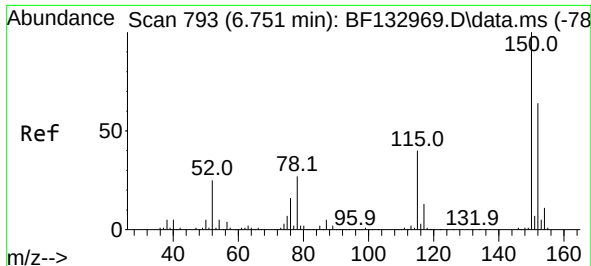
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 22 03:30:56 2023  
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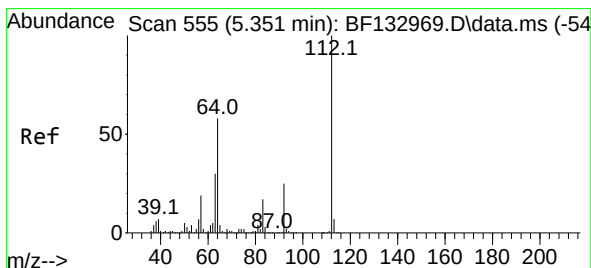
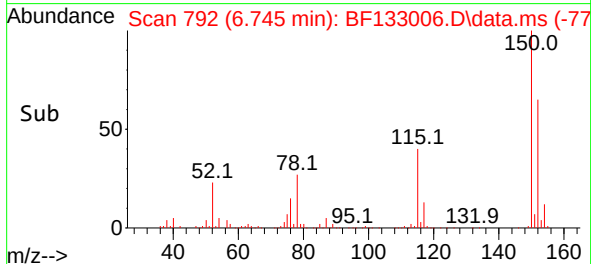
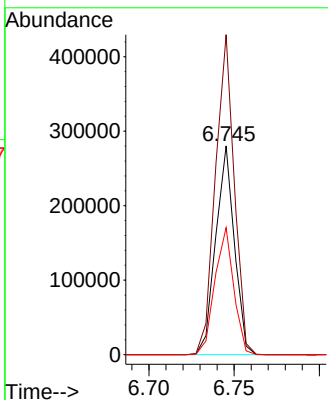
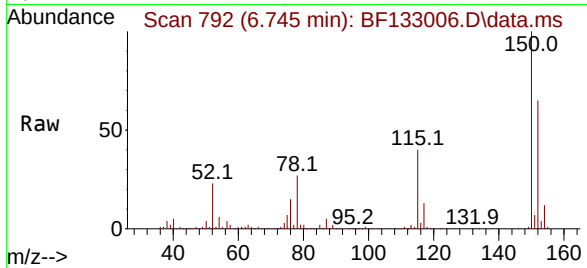




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.745 min Scan# 793  
 Delta R.T. -0.006 min  
 Lab File: BF133006.D  
 Acq: 24 Apr 2023 20:52

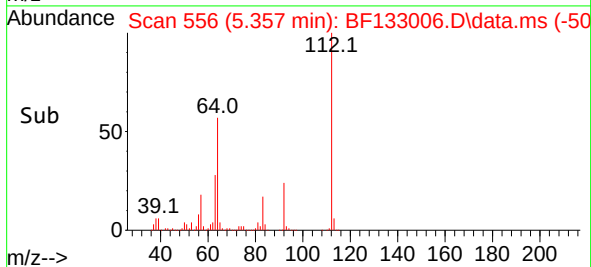
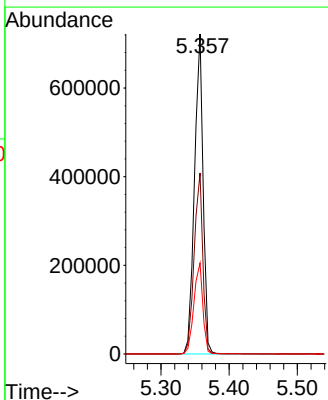
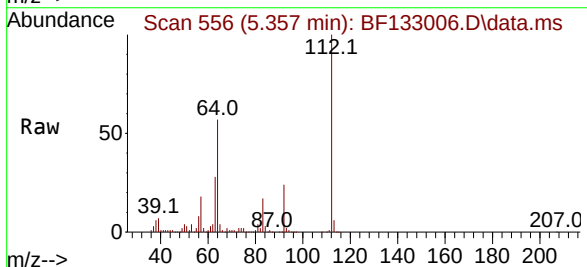
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WWRE

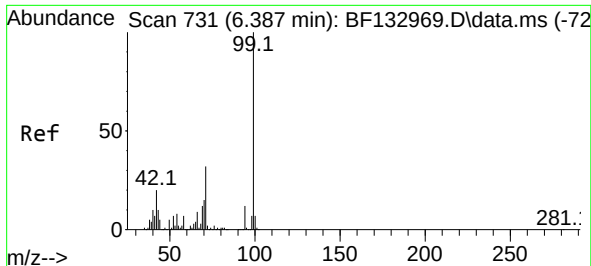
Tgt Ion:152 Resp: 213604  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 124.8 187.2  
 115 60.8 49.9 74.9



#5  
 2-Fluorophenol  
 Concen: 44.698 ng  
 RT: 5.357 min Scan# 556  
 Delta R.T. 0.006 min  
 Lab File: BF133006.D  
 Acq: 24 Apr 2023 20:52

Tgt Ion:112 Resp: 632040  
 Ion Ratio Lower Upper  
 112 100  
 64 56.5 46.8 70.2  
 63 28.4 23.8 35.8

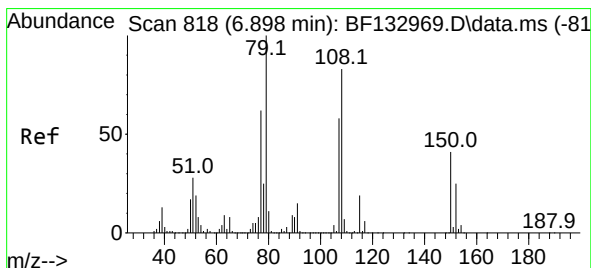
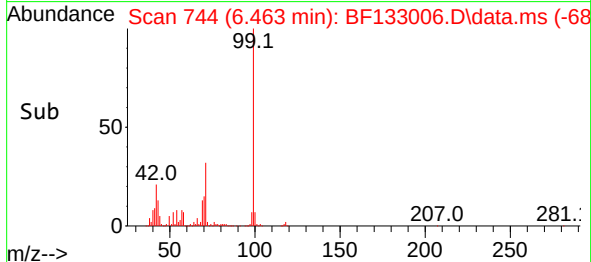
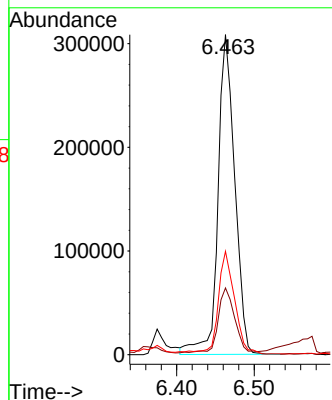
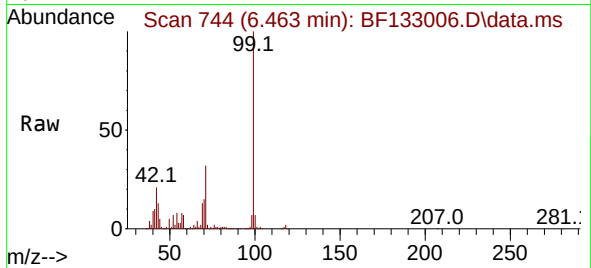




#7  
Phenol-d6  
Concen: 26.439 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.076 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

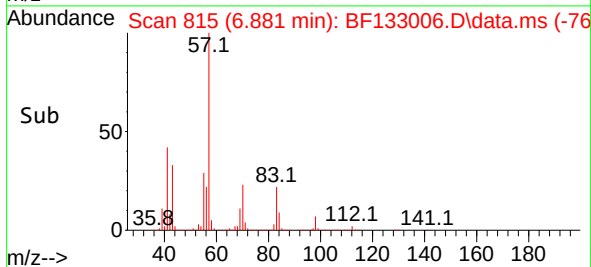
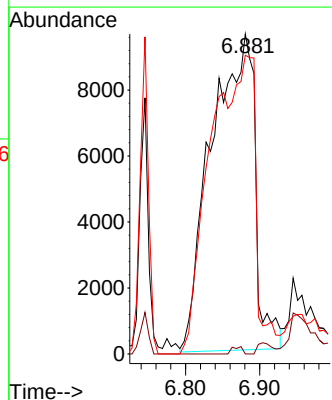
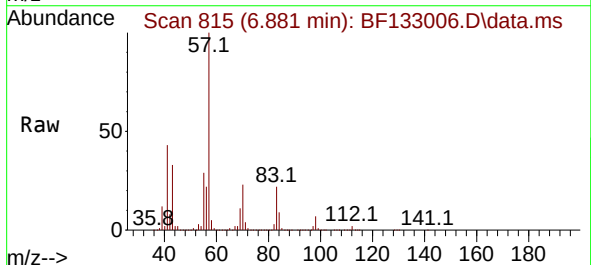
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WWRE

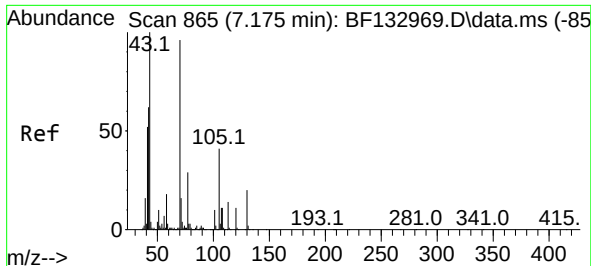
Tgt Ion: 99 Resp: 464030  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.3 24.5  
71 32.3 25.6 38.4



#15  
Benzyl Alcohol  
Concen: 3.244 ng  
RT: 6.881 min Scan# 815  
Delta R.T. -0.018 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

Tgt Ion: 79 Resp: 39331  
Ion Ratio Lower Upper  
79 100  
108 0.0 66.6 99.8#  
77 93.4 49.2 73.8#

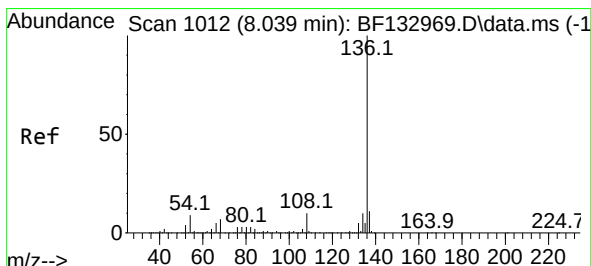
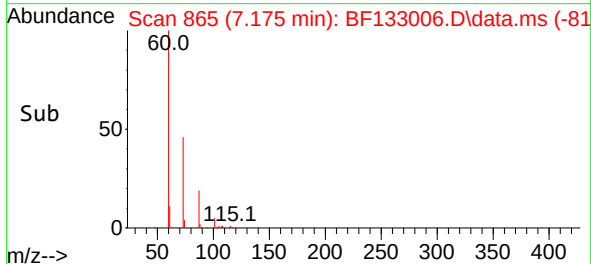
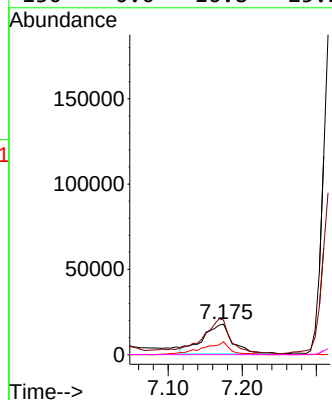
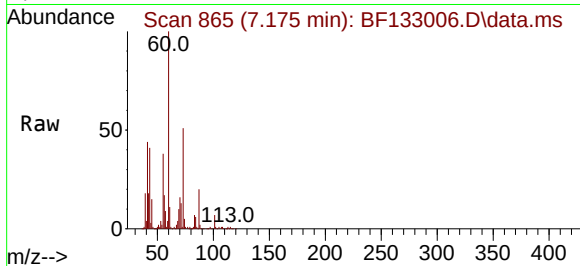




#19  
n-Nitroso-di-n-propylamine  
Concen: 4.480 ng  
RT: 7.175 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

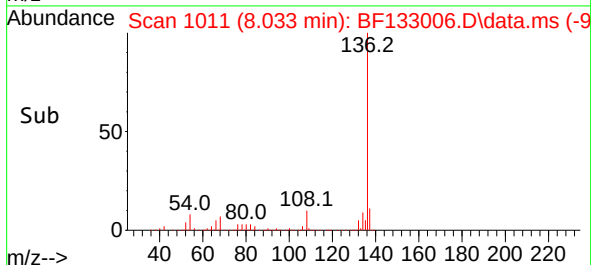
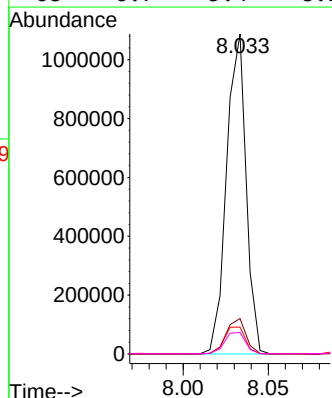
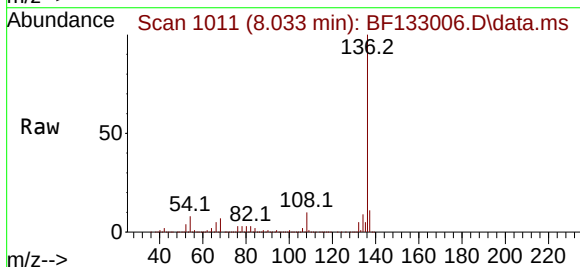
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WWRE

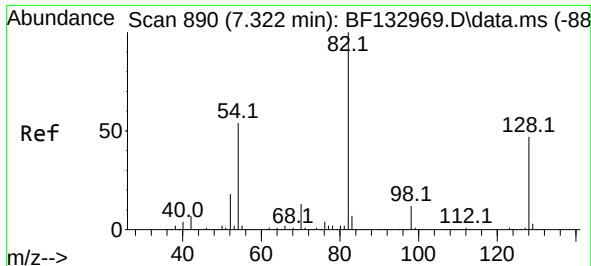
Tgt Ion: 70 Resp: 48953  
Ion Ratio Lower Upper  
70 100  
42 113.2 51.8 77.6#  
101 42.6 8.0 12.0#  
130 0.0 16.8 25.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.033 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

Tgt Ion: 136 Resp: 869742  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.4 7.0 10.4  
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 88.556 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.006 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Instrument :

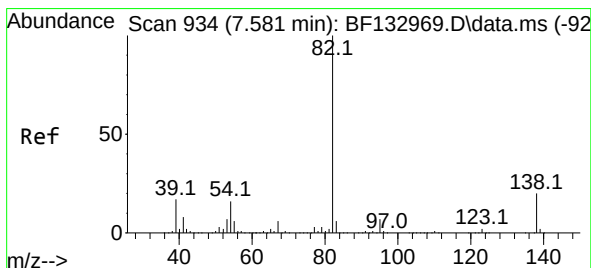
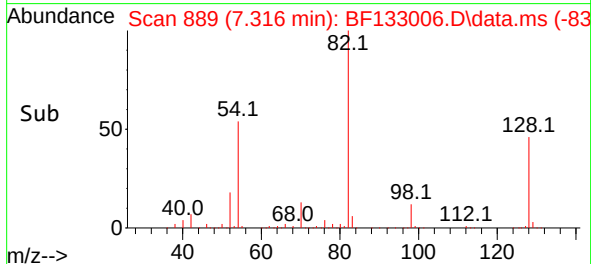
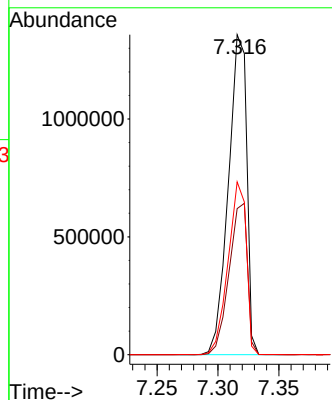
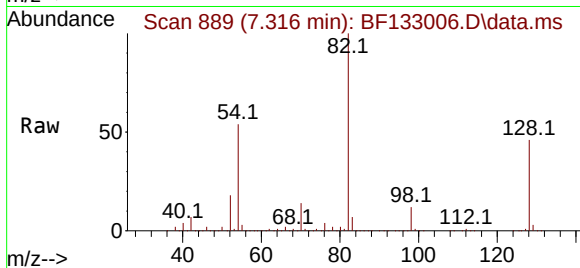
BNA\_F

ClientSampleId :

EFF-WWRE

Tgt Ion: 82 Resp: 1426929

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.7  | 37.7  | 56.5  |
| 54  | 54.0  | 43.0  | 64.4  |



#25

Isophorone

Concen: 46.624 ng

RT: 7.316 min Scan# 889

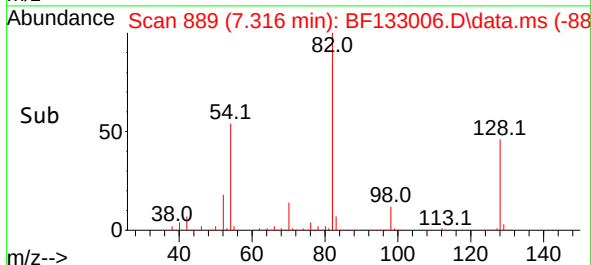
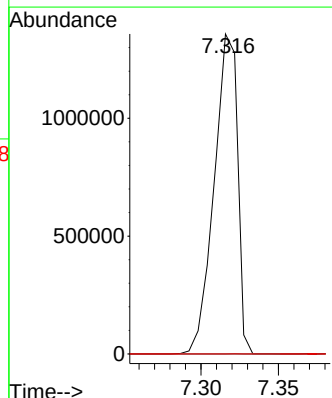
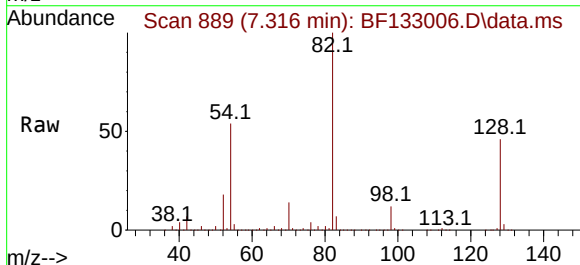
Delta R.T. -0.265 min

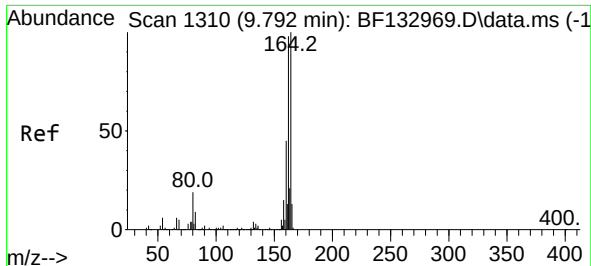
Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Tgt Ion: 82 Resp: 1426388

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.0   | 5.4   | 8.0#  |
| 138 | 0.0   | 16.0  | 24.0# |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Instrument :

BNA\_F

ClientSampleId :

EFF-WWRE

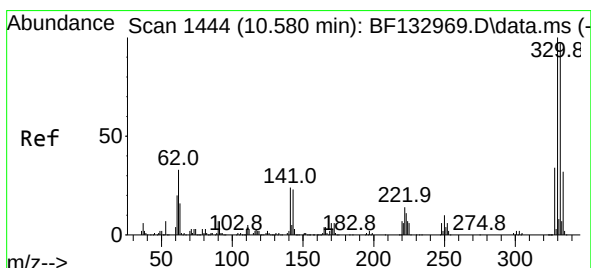
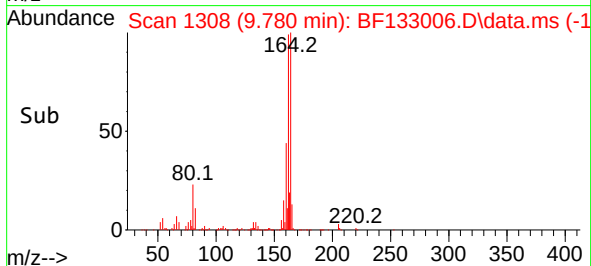
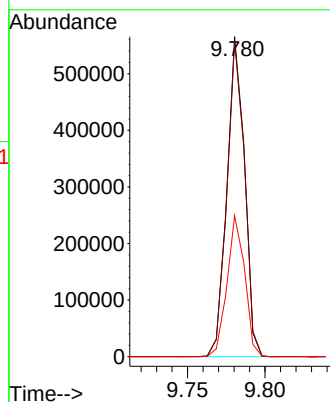
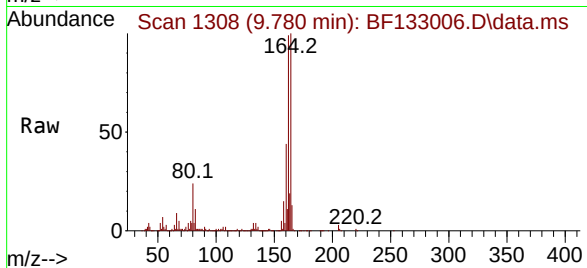
Tgt Ion:164 Resp: 446706

Ion Ratio Lower Upper

164 100

162 98.6 78.7 118.1

160 44.0 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 96.239 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.006 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

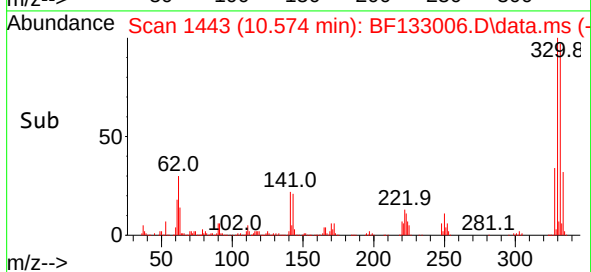
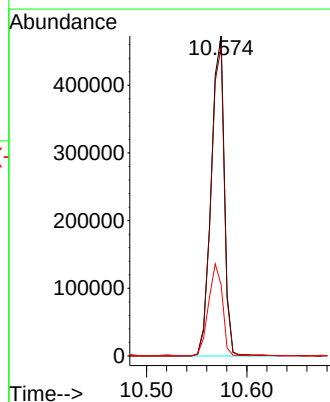
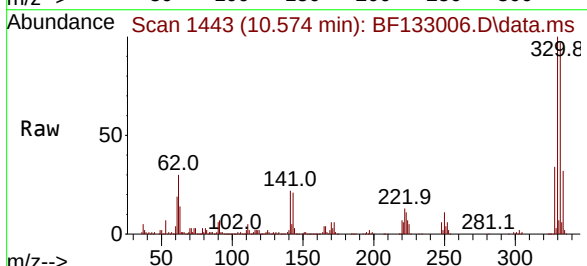
Tgt Ion:330 Resp: 432351

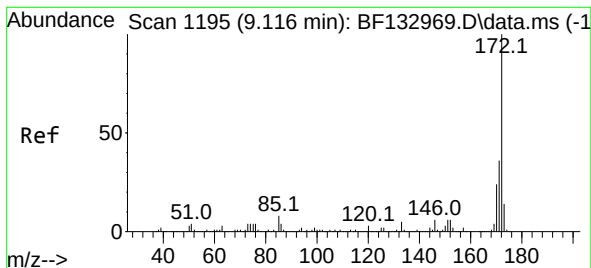
Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 30.1 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 85.387 ng

RT: 9.110 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Instrument :

BNA\_F

ClientSampleId :

EFF-WWRE

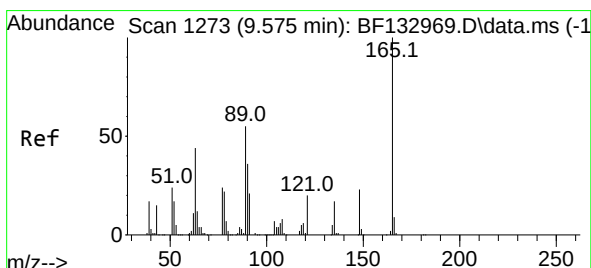
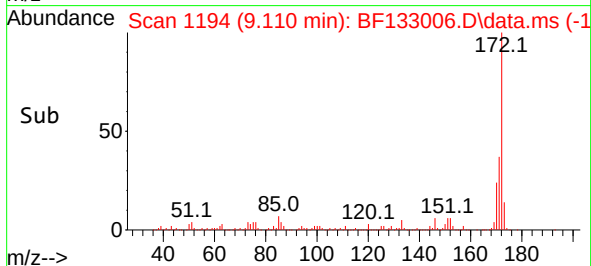
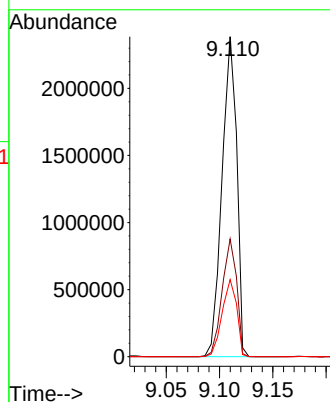
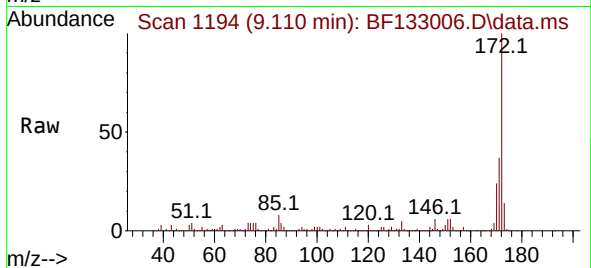
Tgt Ion:172 Resp: 2279915

Ion Ratio Lower Upper

172 100

171 36.8 28.8 43.2

170 24.1 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 4.095 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.030 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

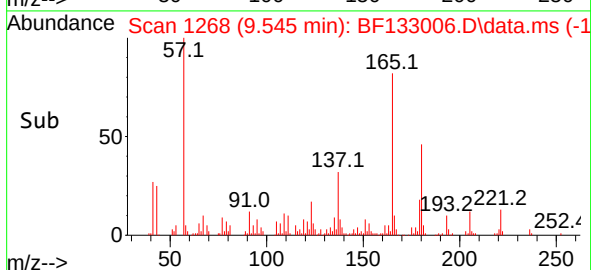
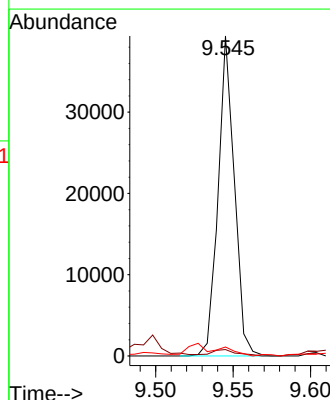
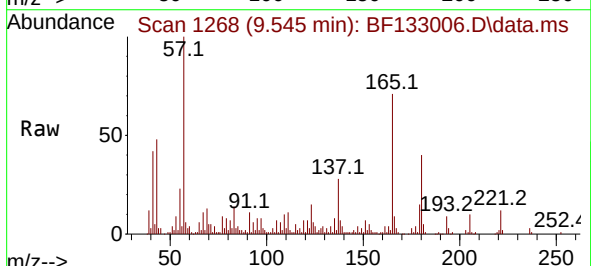
Tgt Ion:165 Resp: 28710

Ion Ratio Lower Upper

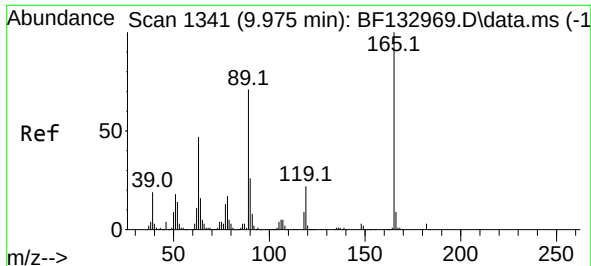
165 100

63 2.0 45.9 68.9#

89 2.8 44.0 66.0#







#57

2,4-Dinitrotoluene

Concen: 6.470 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.194 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Instrument :

BNA\_F

ClientSampleId :

EFF-WWRE

Tgt Ion:165 Resp: 57844

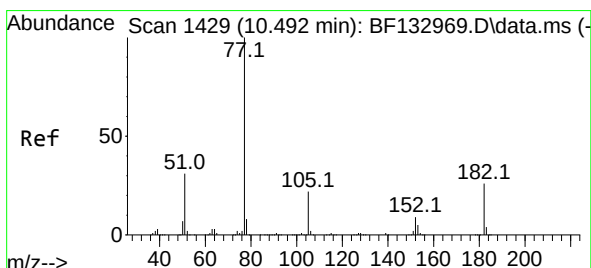
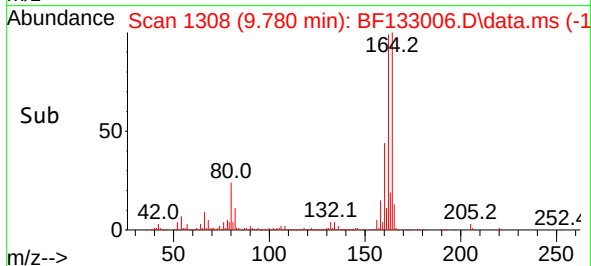
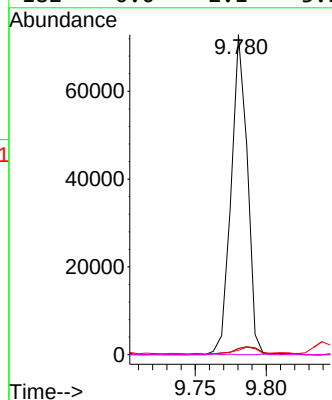
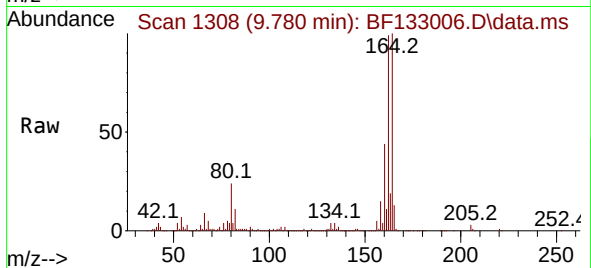
Ion Ratio Lower Upper

165 100

63 1.9 37.7 56.5#

89 1.4 57.0 85.4#

182 0.0 2.1 3.1#



#63

Azobenzene

Concen: 13.736 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.006 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Tgt Ion: 77 Resp: 428107

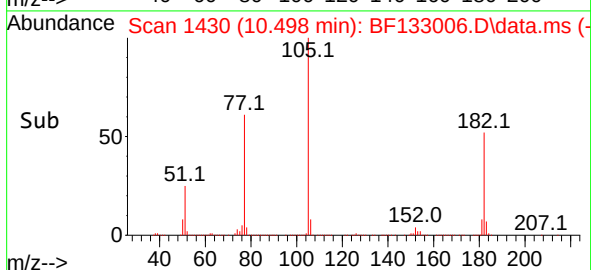
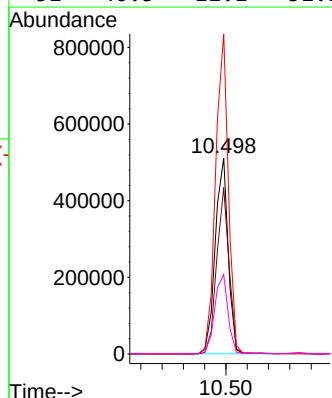
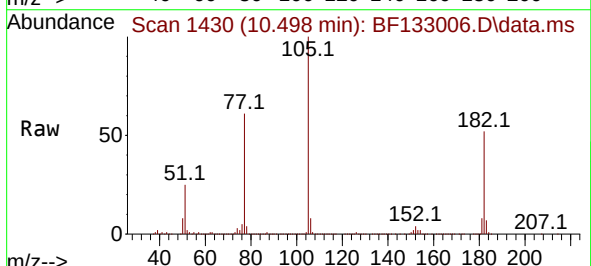
Ion Ratio Lower Upper

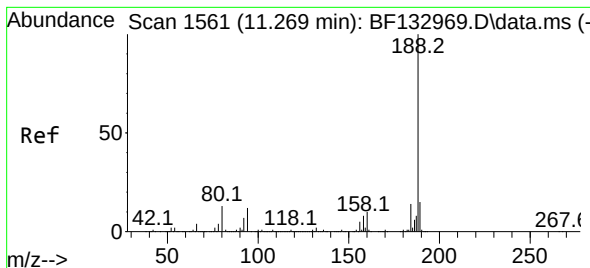
77 100

182 84.9 5.9 45.9#

105 163.3 2.3 42.3#

51 40.5 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

Instrument :

BNA\_F

ClientSampleId :

EFF-WWRE

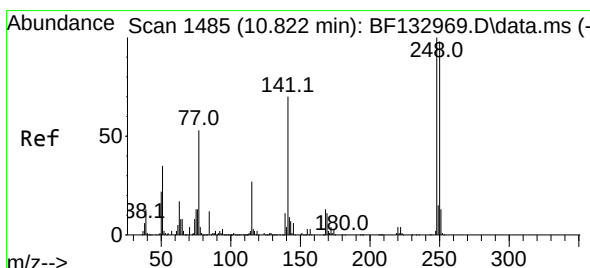
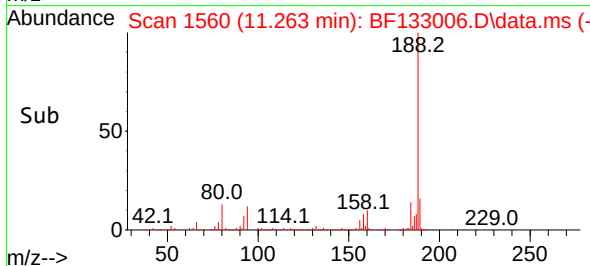
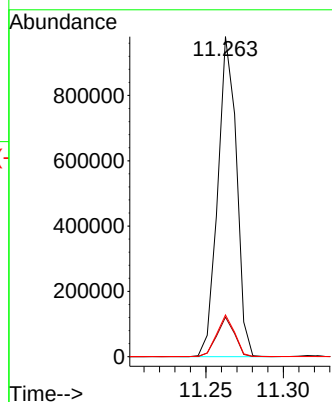
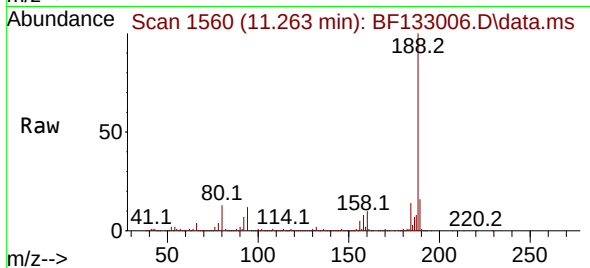
Tgt Ion:188 Resp: 823386

Ion Ratio Lower Upper

188 100

94 12.3 9.7 14.5

80 13.1 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.075 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF133006.D

Acq: 24 Apr 2023 20:52

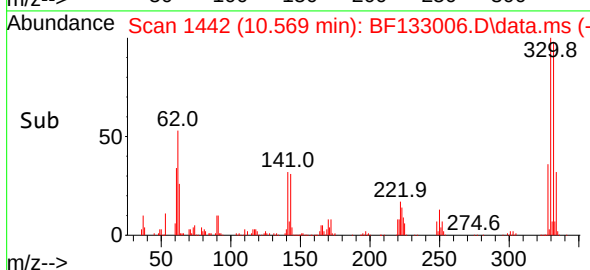
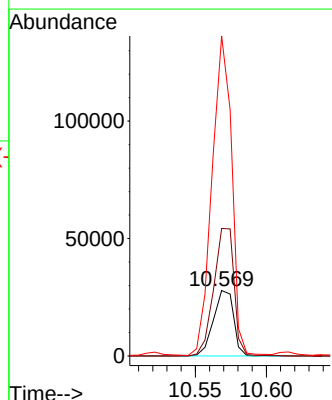
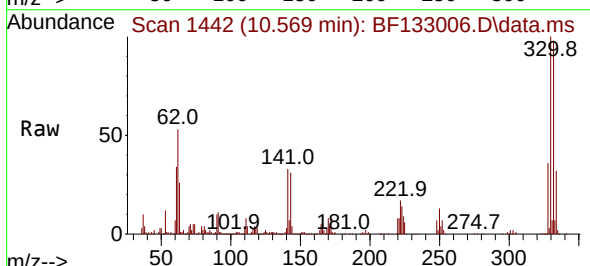
Tgt Ion:248 Resp: 27458

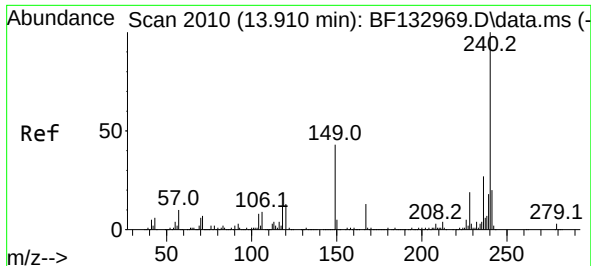
Ion Ratio Lower Upper

248 100

250 195.0 78.7 118.1#

141 489.3 56.3 84.5#

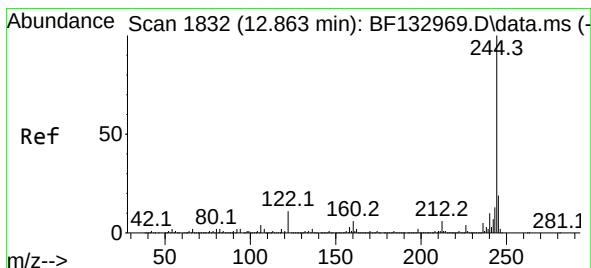
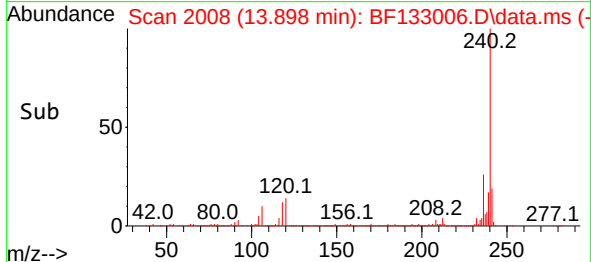
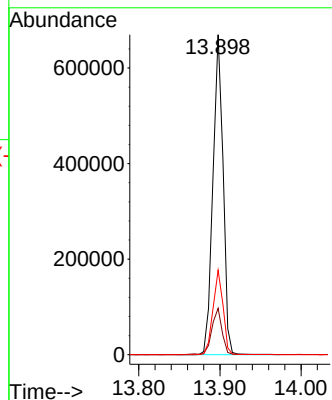
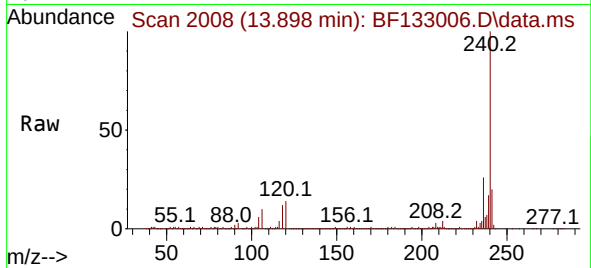




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.898 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

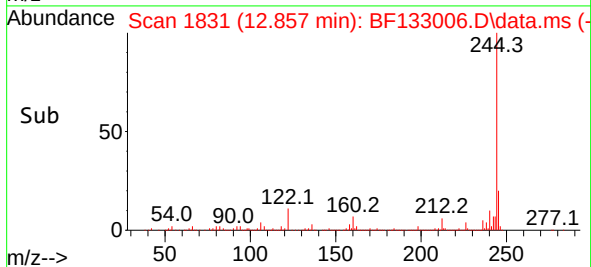
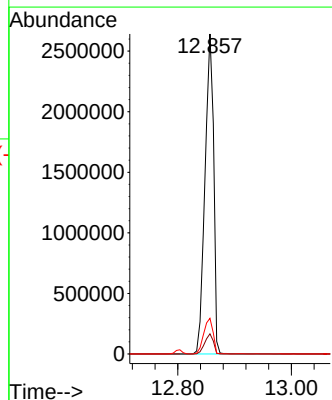
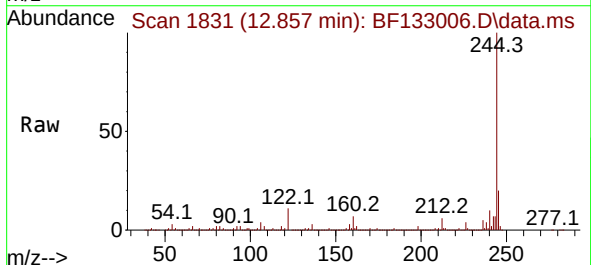
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WWRE

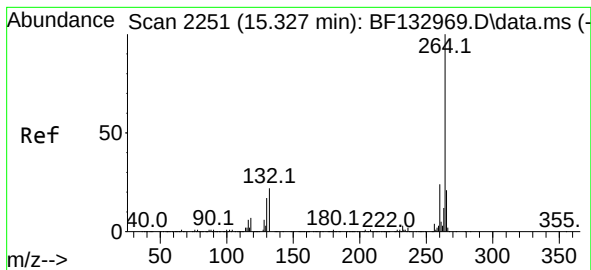
Tgt Ion:240 Resp: 579827  
Ion Ratio Lower Upper  
240 100  
120 14.5 10.5 15.7  
236 26.4 21.5 32.3



#79  
Terphenyl-d14  
Concen: 82.575 ng  
RT: 12.857 min Scan# 1831  
Delta R.T. -0.006 min  
Lab File: BF133006.D  
Acq: 24 Apr 2023 20:52

Tgt Ion:244 Resp: 2776151  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.1 7.7  
122 11.1 8.6 13.0





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.321 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: BF133006.D  
 Acq: 24 Apr 2023 20:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WWRE

Tgt Ion:264 Resp: 479200  
 Ion Ratio Lower Upper  
 264 100  
 260 24.1 18.8 28.2  
 265 21.4 17.0 25.4

