

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092723\  
 Data File : BF135476.D  
 Acq On : 27 Sep 2023 17:03  
 Operator : CG\JU  
 Sample : 04601-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

Quant Time: Sep 28 01:49:39 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 26 01:36:36 2023  
 Response via : Initial Calibration

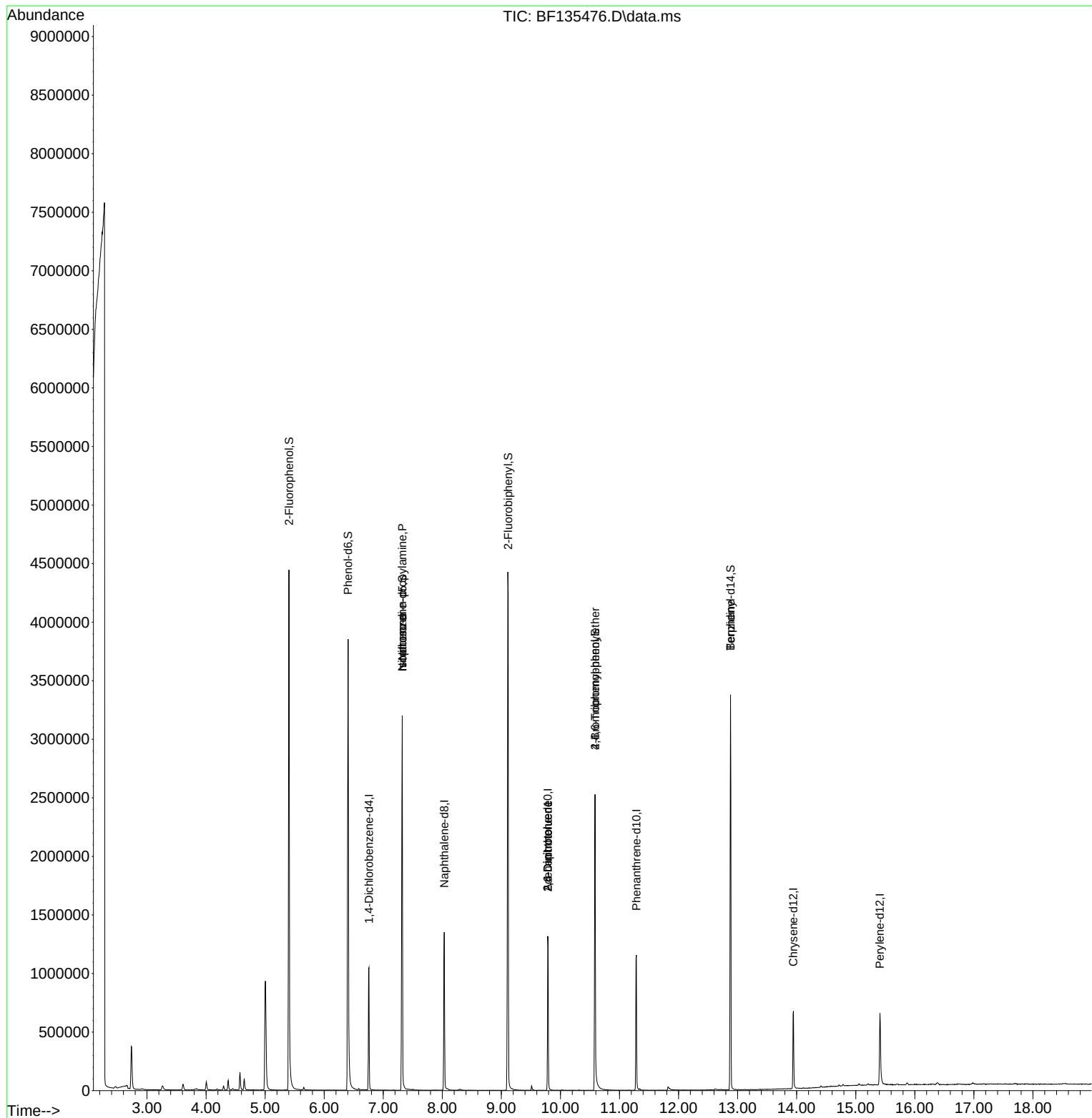
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 158670   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.033  | 136  | 608409   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 280351   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 459552   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 249970   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.409 | 264  | 317102   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.404  | 112  | 1254041  | 128.545 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.404  | 99   | 1475744  | 118.965 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 1064955  | 95.098  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.586 | 330  | 318058   | 114.163 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 1675795  | 90.184  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 1246514  | 77.303  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.322  | 70   | 139753   | 18.189  | ng    | # 82     |
| 25) Isophorone                | 7.322  | 82   | 1064945  | 51.788  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.786  | 165  | 35469    | 8.542   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.786  | 165  | 35470    | 6.823   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.586 | 248  | 20877    | 4.568   | ng    | # 1      |
| 77) Benzydine                 | 12.880 | 184  | 15470    | 3.021   | ng    | # 92     |
| -----                         |        |      |          |         |       |          |

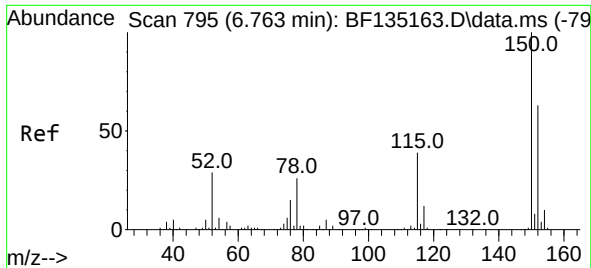
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092723\  
Data File : BF135476.D  
Acq On : 27 Sep 2023 17:03  
Operator : CG\JU  
Sample : 04601-05  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Quant Time: Sep 28 01:49:39 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Sep 26 01:36:36 2023  
Response via : Initial Calibration

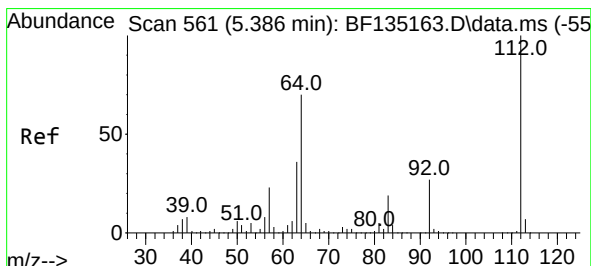
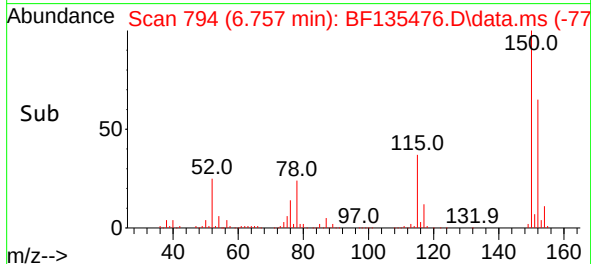
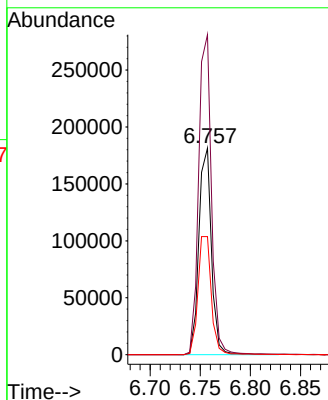
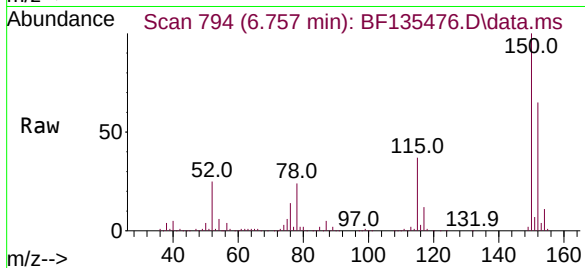




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.757 min Scan# 795  
Delta R.T. 0.006 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

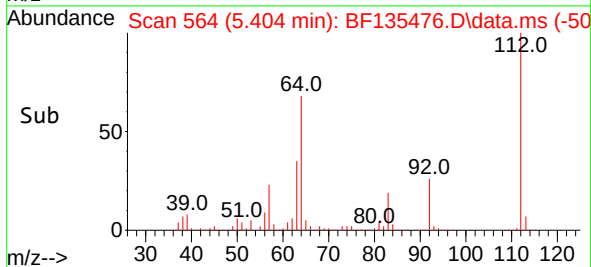
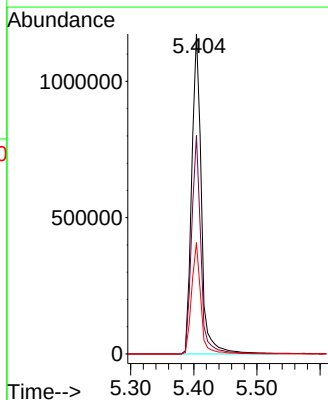
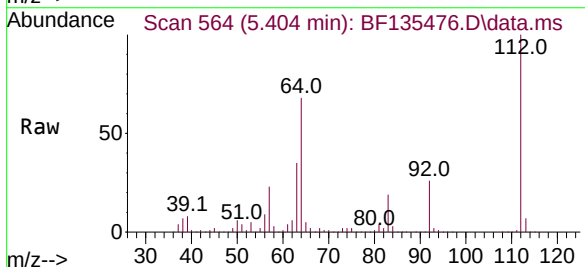
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

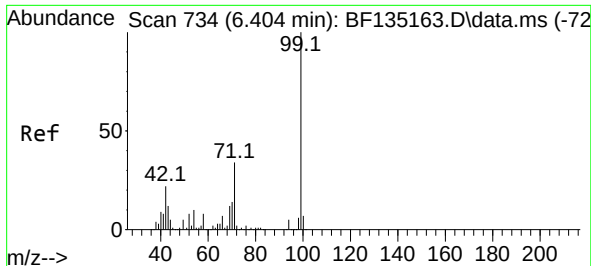
Tgt Ion:152 Resp: 158670  
Ion Ratio Lower Upper  
152 100  
150 154.9 127.8 191.6  
115 57.2 49.8 74.8



#5  
2-Fluorophenol  
Concen: 128.545 ng  
RT: 5.404 min Scan# 564  
Delta R.T. 0.023 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

Tgt Ion:112 Resp: 1254041  
Ion Ratio Lower Upper  
112 100  
64 68.3 55.9 83.9  
63 34.8 29.0 43.6





#7

Phenol-d6

Concen: 118.965 ng

RT: 6.404 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

Instrument :

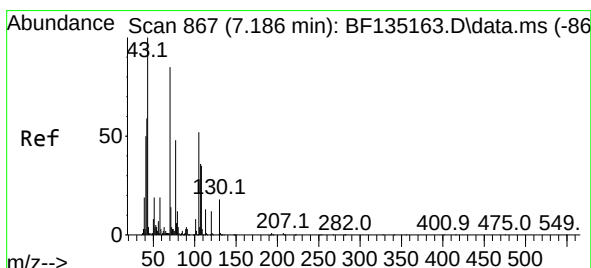
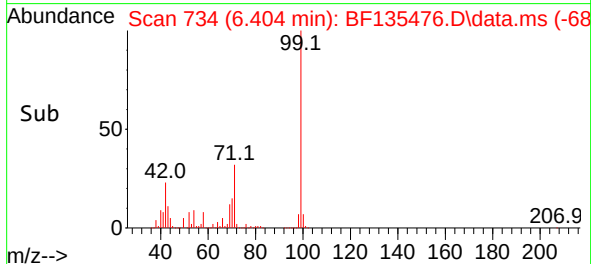
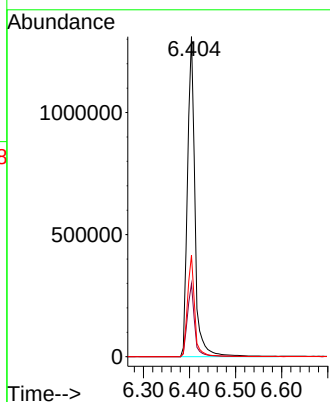
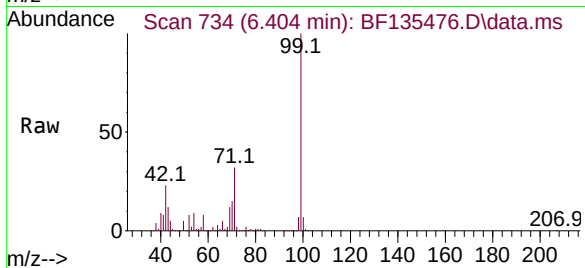
BNA\_F

ClientSampleId :

TP-2

Tgt Ion: 99 Resp: 1475744

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.8  | 17.9  | 26.9  |
| 71  | 31.7  | 27.0  | 40.6  |



#19

n-Nitroso-di-n-propylamine

Concen: 18.189 ng

RT: 7.322 min Scan# 890

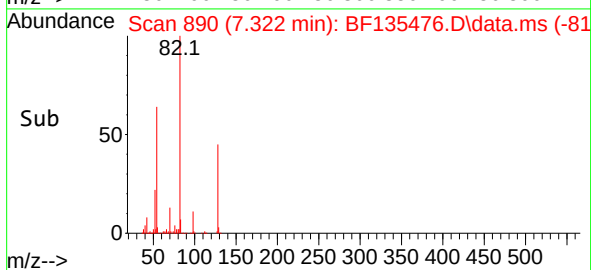
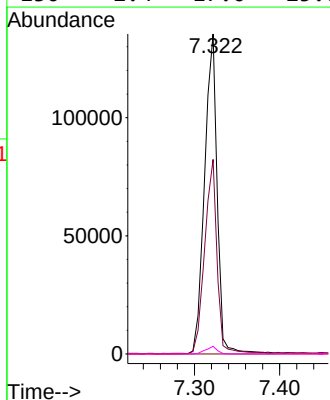
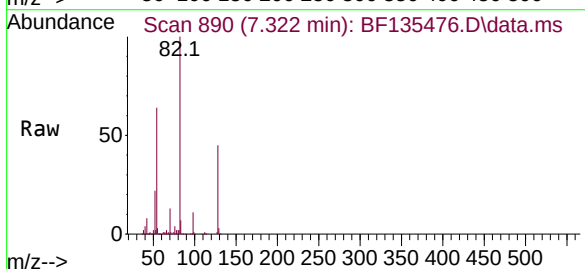
Delta R.T. 0.147 min

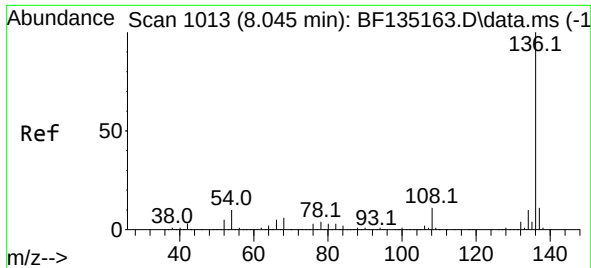
Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

Tgt Ion: 70 Resp: 139753

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 60.8  | 55.4  | 83.0  |
| 101 | 0.0   | 7.7   | 11.5# |
| 130 | 2.4   | 17.0  | 25.6# |

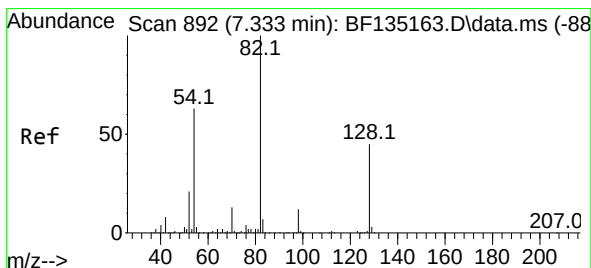
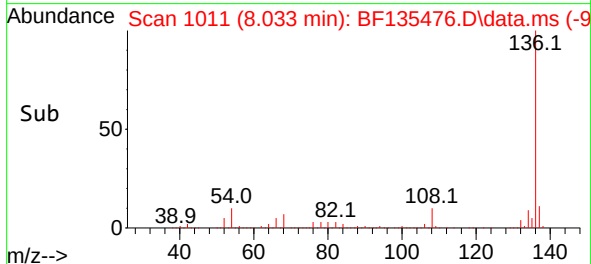
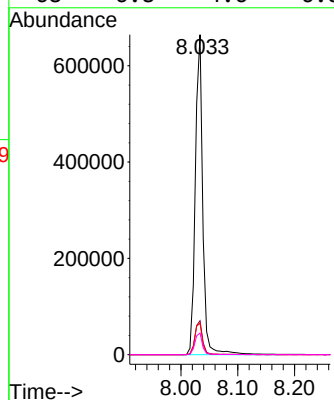
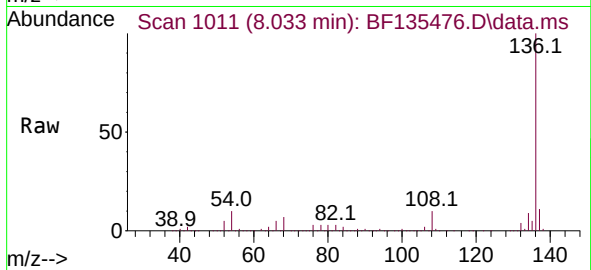




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.033 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

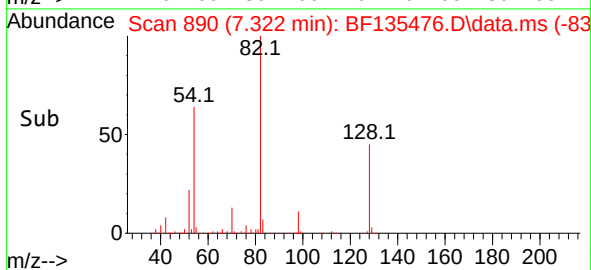
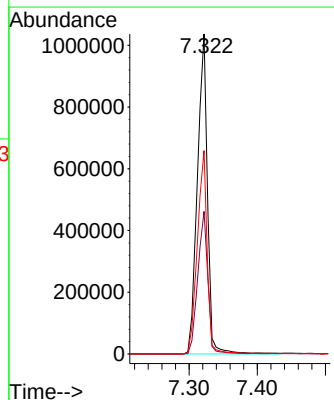
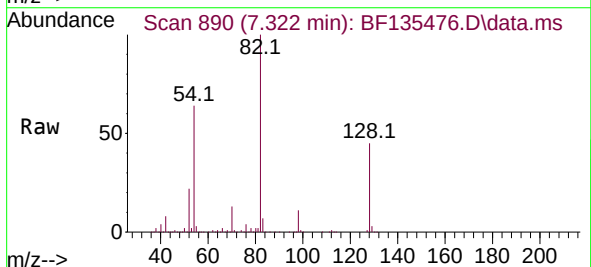
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

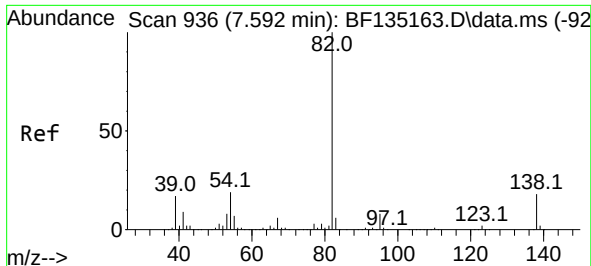
Tgt Ion:136 Resp: 608409  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 9.8 7.7 11.5  
68 6.8 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 95.098 ng  
RT: 7.322 min Scan# 890  
Delta R.T. -0.000 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

Tgt Ion: 82 Resp: 1064955  
Ion Ratio Lower Upper  
82 100  
128 44.6 35.8 53.6  
54 63.6 50.6 76.0

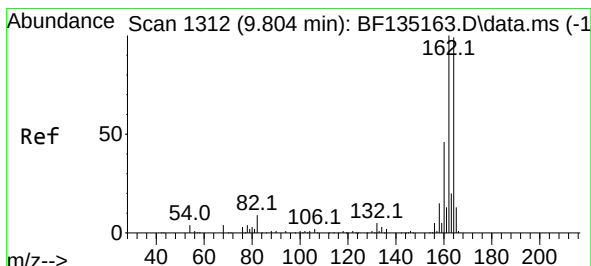
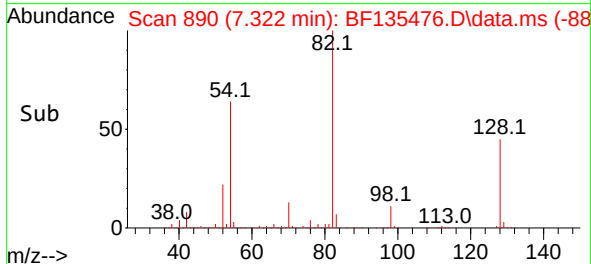
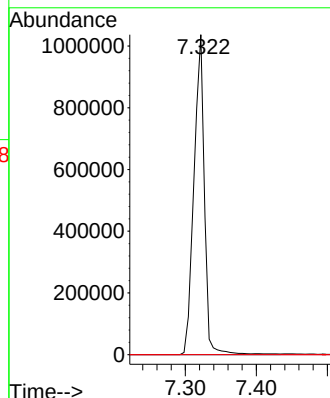
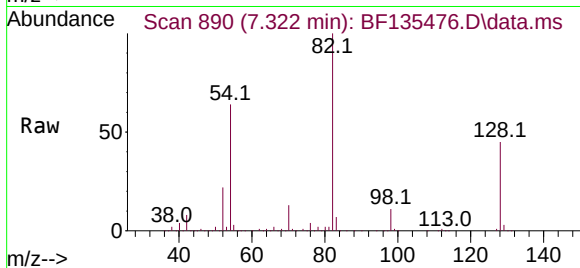




#25  
Isophorone  
Concen: 51.788 ng  
RT: 7.322 min Scan# 89  
Delta R.T. -0.259 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

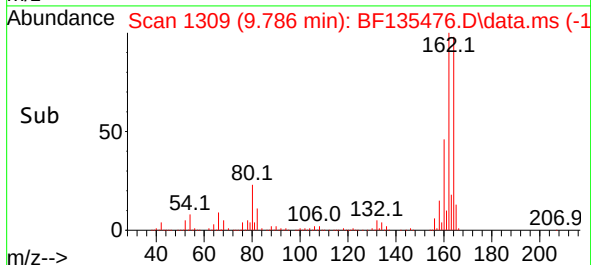
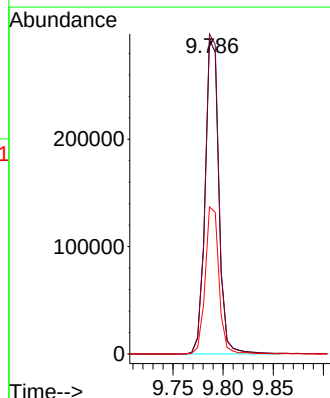
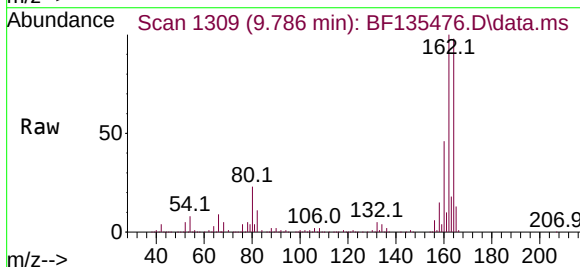
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

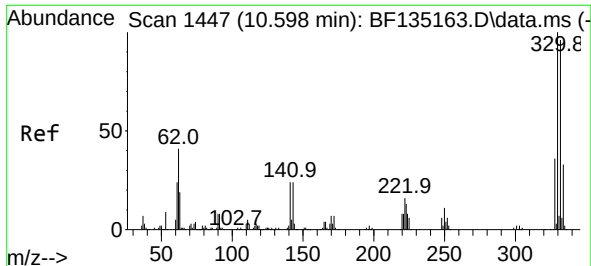
Tgt Ion: 82 Resp: 1064945  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 14.5 21.7#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

Tgt Ion: 164 Resp: 280351  
Ion Ratio Lower Upper  
164 100  
162 101.6 81.0 121.4  
160 46.7 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 114.163 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.000 min

Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

Instrument :

BNA\_F

ClientSampleId :

TP-2

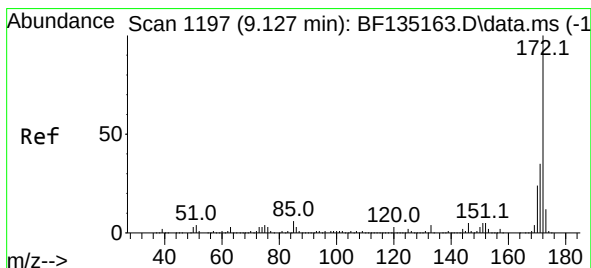
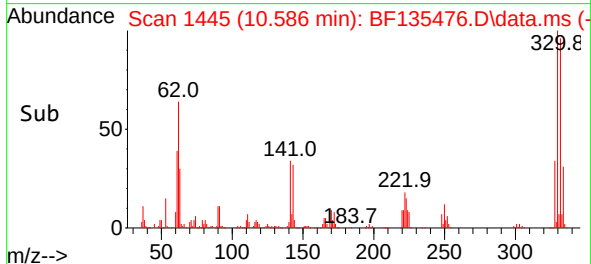
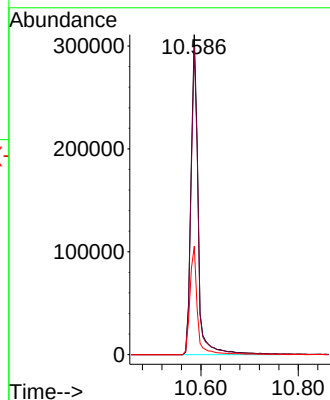
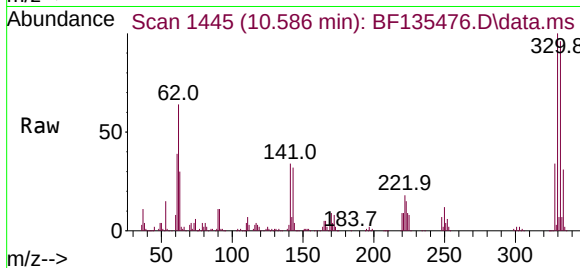
Tgt Ion:330 Resp: 318058

Ion Ratio Lower Upper

330 100

332 95.2 77.3 115.9

141 34.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 90.184 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.000 min

Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

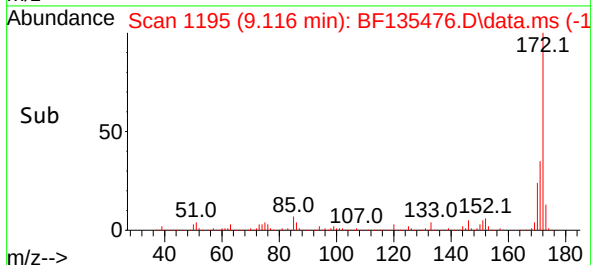
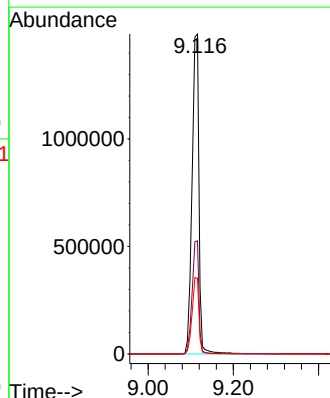
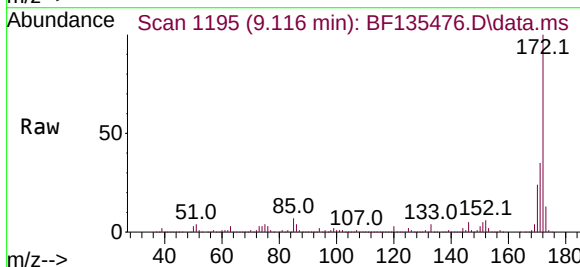
Tgt Ion:172 Resp: 1675795

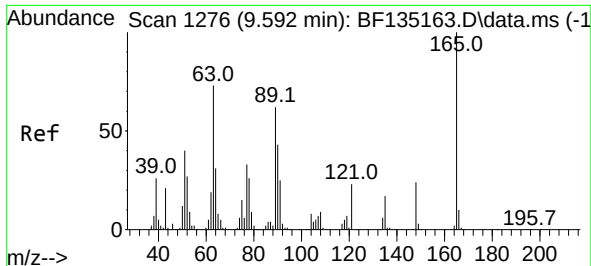
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.7 19.0 28.4

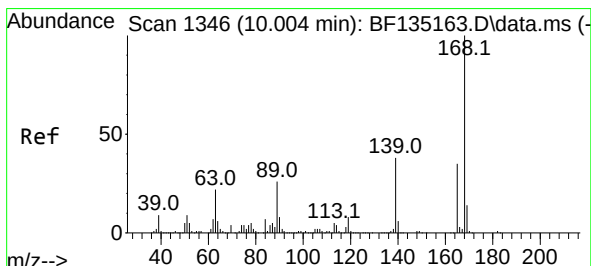
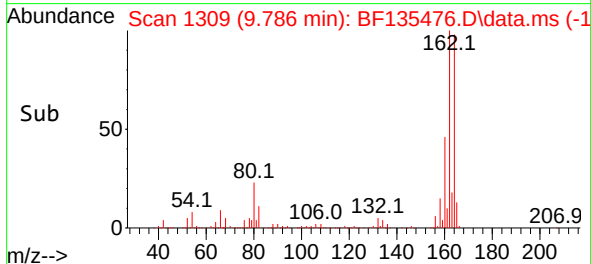
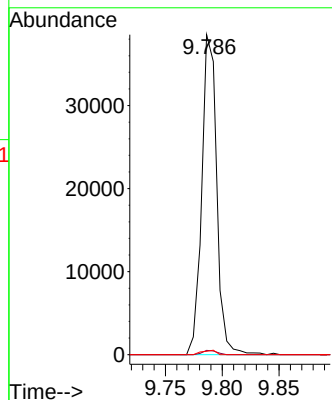
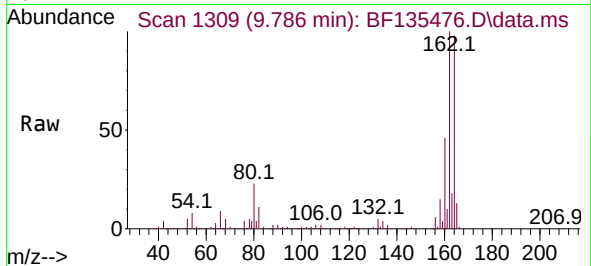




#51  
2,6-Dinitrotoluene  
Concen: 8.542 ng  
RT: 9.786 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

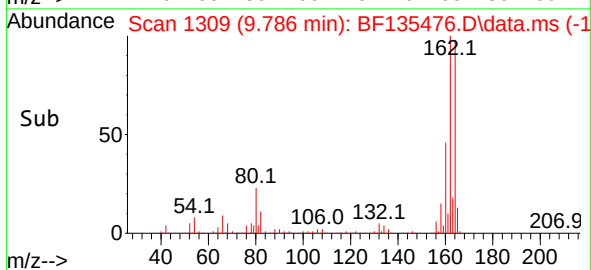
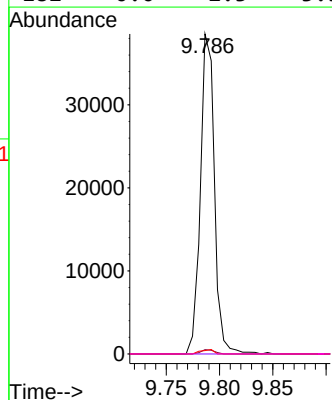
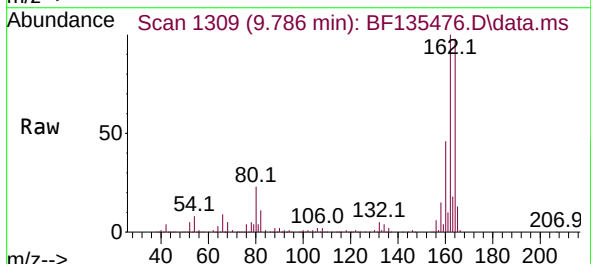
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Tgt Ion:165 Resp: 35469  
Ion Ratio Lower Upper  
165 100  
63 1.4 59.4 89.2#  
89 1.0 49.8 74.8#

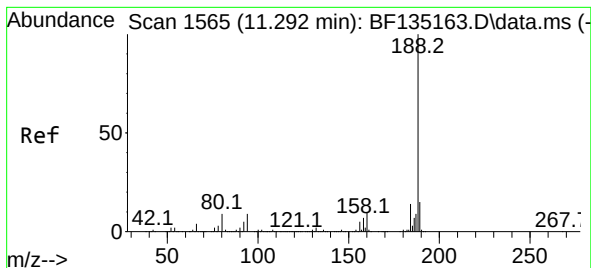


#57  
2,4-Dinitrotoluene  
Concen: 6.823 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.212 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

Tgt Ion:165 Resp: 35470  
Ion Ratio Lower Upper  
165 100  
63 1.4 50.1 75.1#  
89 1.0 59.3 88.9#  
182 0.0 2.3 3.5#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

Instrument :

BNA\_F

ClientSampleId :

TP-2

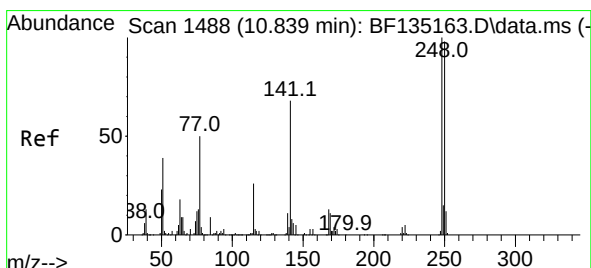
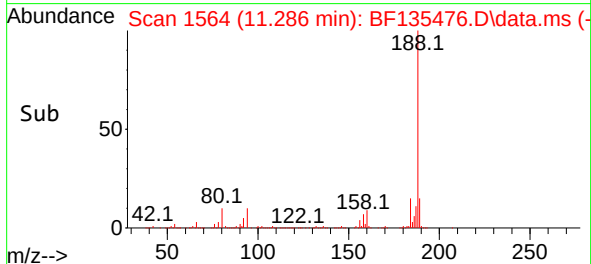
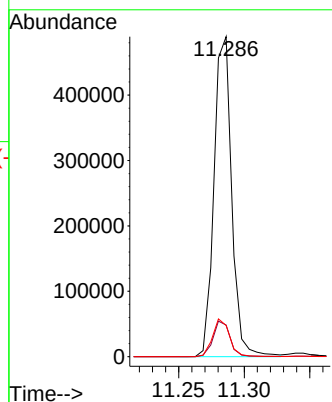
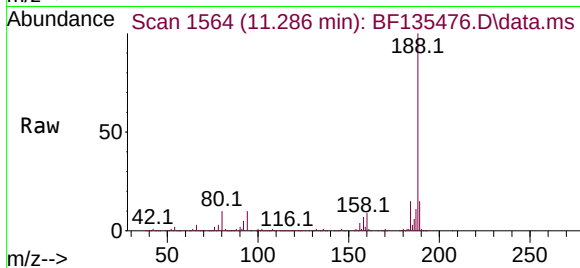
Tgt Ion:188 Resp: 459552

Ion Ratio Lower Upper

188 100

94 9.9 7.0 10.6

80 9.7 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 4.568 ng

RT: 10.586 min Scan# 1445

Delta R.T. -0.241 min

Lab File: BF135476.D

Acq: 27 Sep 2023 17:03

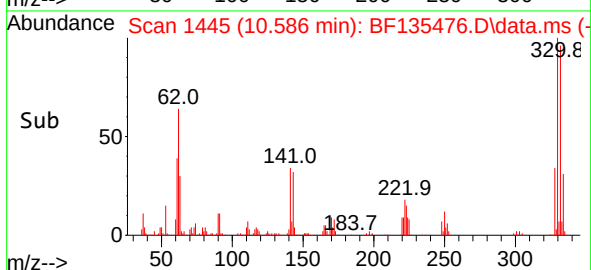
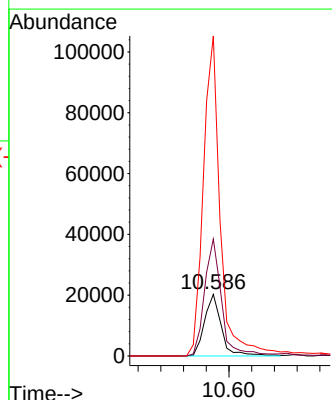
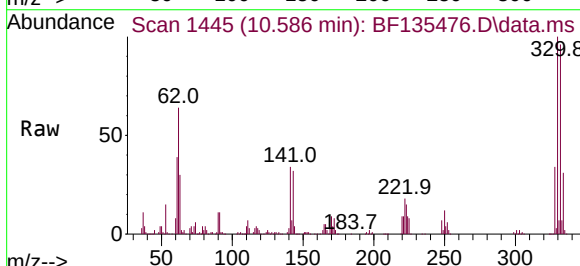
Tgt Ion:248 Resp: 20877

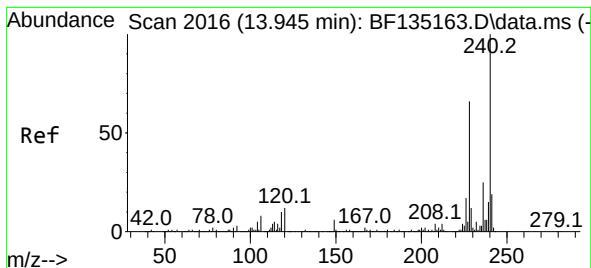
Ion Ratio Lower Upper

248 100

250 189.8 78.6 117.8#

141 519.2 54.2 81.2#

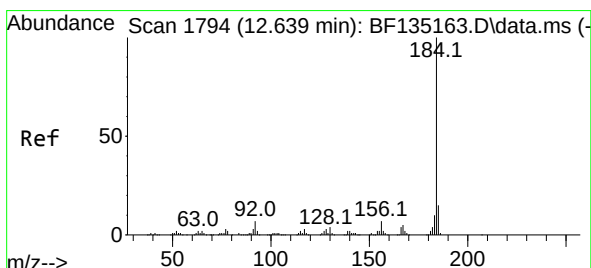
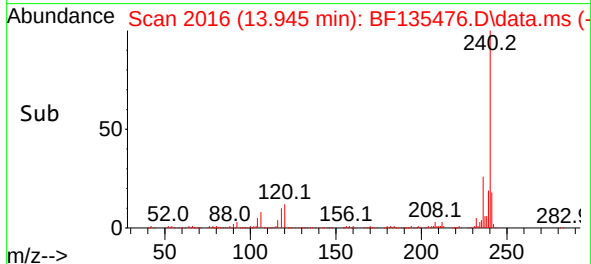
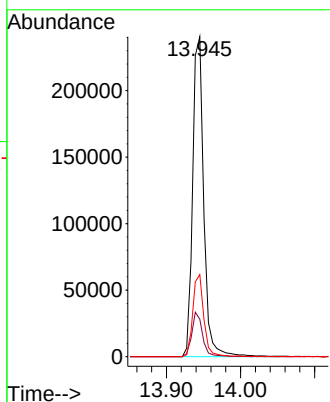
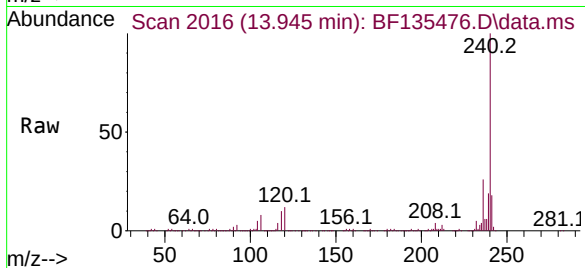




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. -0.000 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

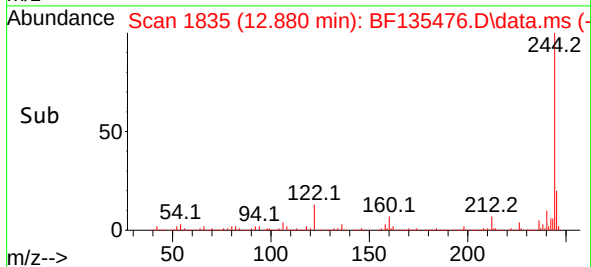
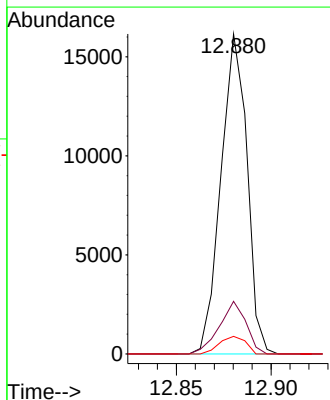
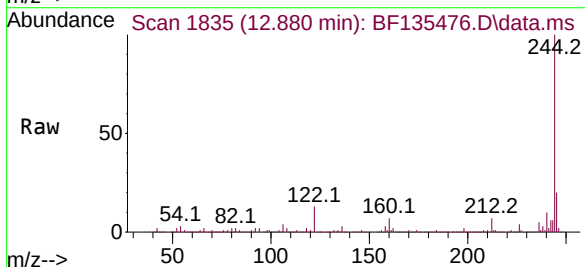
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

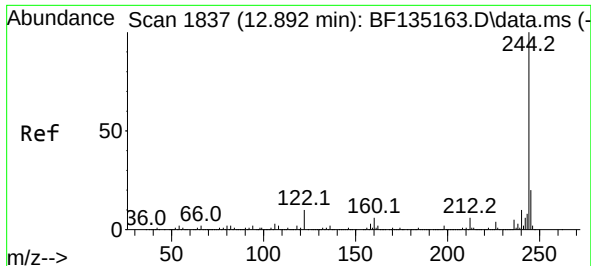
Tgt Ion:240 Resp: 249970  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.4 14.2  
236 25.6 19.8 29.8



#77  
Benzidine  
Concen: 3.021 ng  
RT: 12.880 min Scan# 1835  
Delta R.T. 0.247 min  
Lab File: BF135476.D  
Acq: 27 Sep 2023 17:03

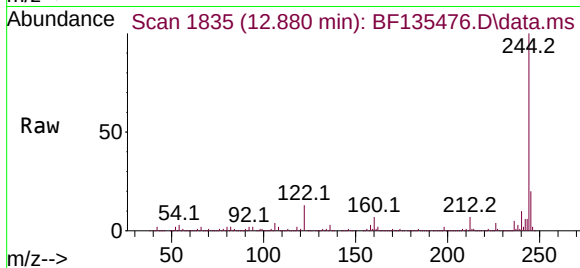
Tgt Ion:184 Resp: 15470  
Ion Ratio Lower Upper  
184 100  
185 16.5 11.7 17.5  
183 5.5 8.2 12.4#



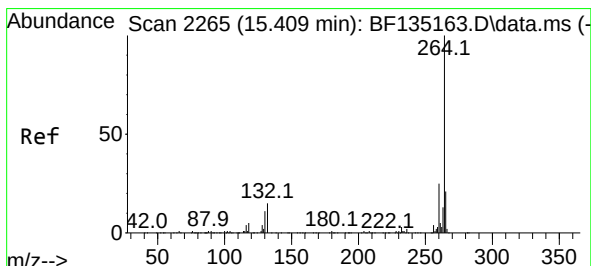
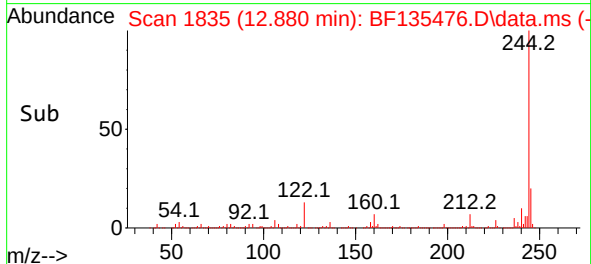
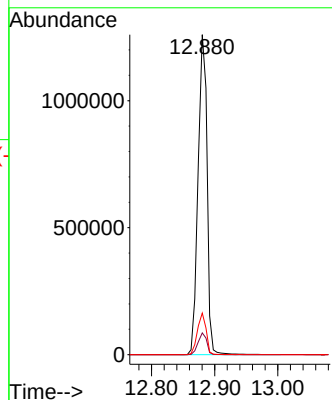


#79  
 Terphenyl-d14  
 Concen: 77.303 ng  
 RT: 12.880 min Scan# 1835  
 Delta R.T. -0.000 min  
 Lab File: BF135476.D  
 Acq: 27 Sep 2023 17:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2



Tgt Ion:244 Resp: 1246514  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.1 7.7  
 122 13.0 7.9 11.9#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.409 min Scan# 2265  
 Delta R.T. 0.006 min  
 Lab File: BF135476.D  
 Acq: 27 Sep 2023 17:03

Tgt Ion:264 Resp: 317102  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.8 29.6  
 265 21.2 17.0 25.4

