

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101823\  
 Data File : BF135859.D  
 Acq On : 18 Oct 2023 21:25  
 Operator : CG\JU  
 Sample : 04740-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 19 02:09:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 17 01:22:00 2023  
 Response via : Initial Calibration

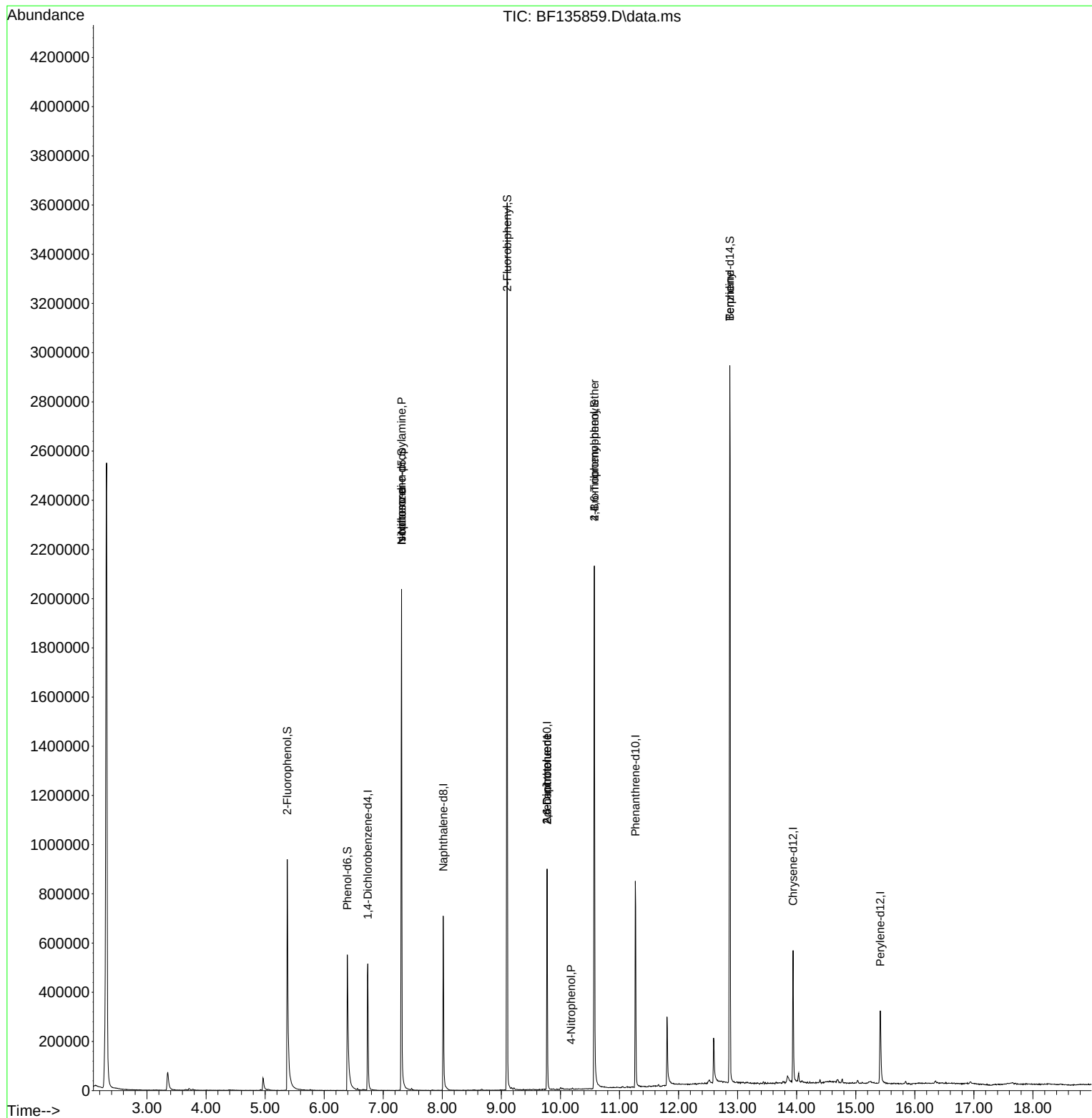
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 83396    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 317922   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 168414   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.269 | 188  | 332939   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.939 | 240  | 193105   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.415 | 264  | 162120   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 342573   | 66.043  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.392  | 99   | 261047   | 40.334  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 603828   | 104.460 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 263581   | 163.100 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1090448  | 101.234 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 1165886  | 111.811 | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 79969    | 19.983  | ng    | # 76     |
| 25) Isophorone                | 7.310  | 82   | 603828   | 55.370  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 21174    | 8.661   | ng    | # 16     |
| 56) 4-Nitrophenol             | 10.180 | 139  | 68       | 5.538   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 21174    | 6.808   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.575 | 248  | 15829    | 4.736   | ng    | # 1      |
| 77) Benzidine                 | 12.868 | 184  | 14979    | 3.555   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

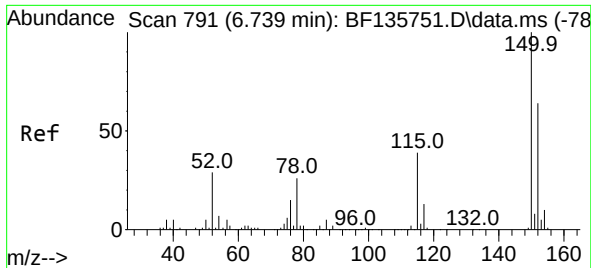
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 04740-04  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

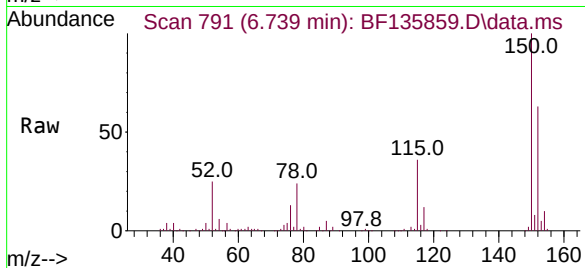
Quant Time: Oct 19 02:09:01 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101323.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 17 01:22:00 2023  
Response via : Initial Calibration



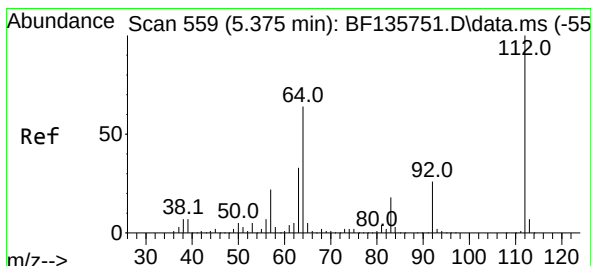
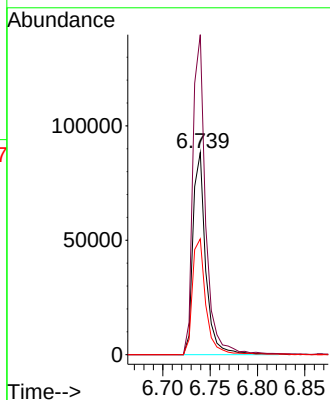
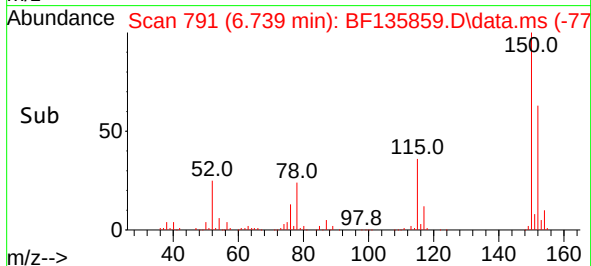


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 791  
Delta R.T. -0.007 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

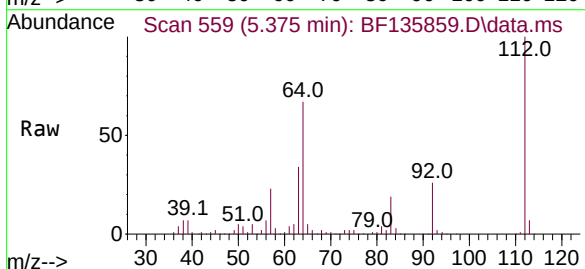
Instrument :  
BNA\_F  
ClientSampleId :



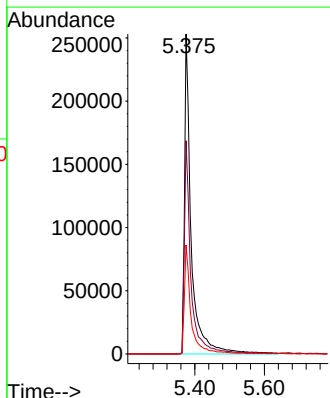
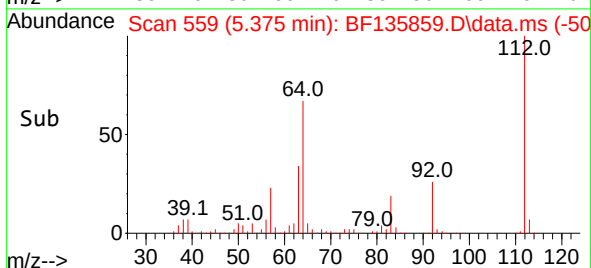
Tgt Ion:152 Resp: 83396  
Ion Ratio Lower Upper  
152 100  
150 158.3 124.5 186.7  
115 57.3 49.0 73.4

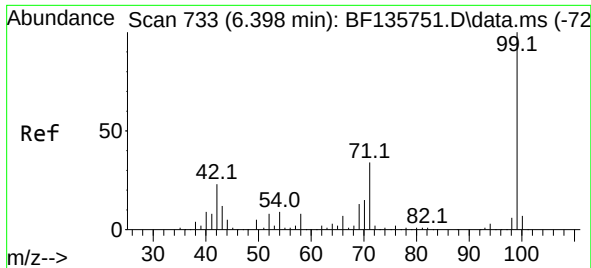


#5  
2-Fluorophenol  
Concen: 66.043 ng  
RT: 5.375 min Scan# 559  
Delta R.T. -0.000 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25



Tgt Ion:112 Resp: 342573  
Ion Ratio Lower Upper  
112 100  
64 66.6 51.2 76.8  
63 34.1 26.1 39.1





#7

Phenol-d6

Concen: 40.334 ng

RT: 6.392 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

Instrument :

BNA\_F

ClientSampleId :

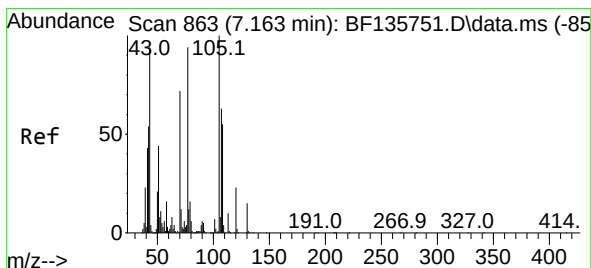
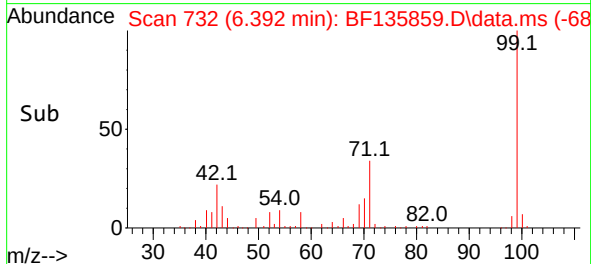
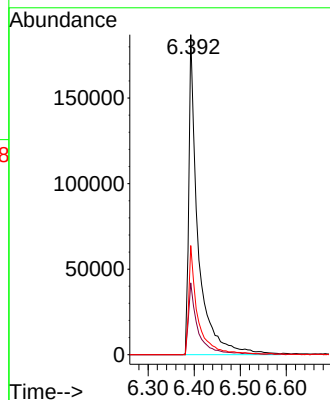
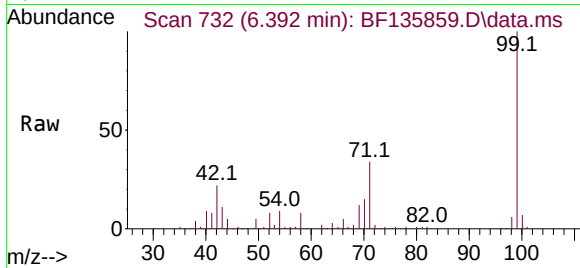
Tgt Ion: 99 Resp: 261047

Ion Ratio Lower Upper

99 100

42 22.5 18.4 27.6

71 34.1 27.2 40.8



#19

n-Nitroso-di-n-propylamine

Concen: 19.983 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.147 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

Tgt Ion: 70 Resp: 79969

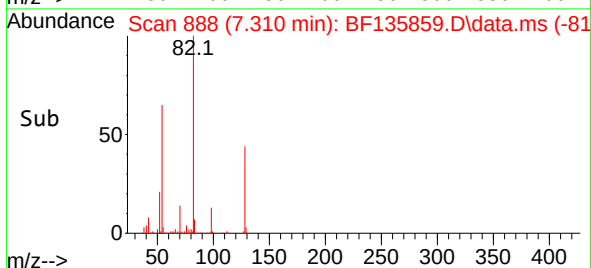
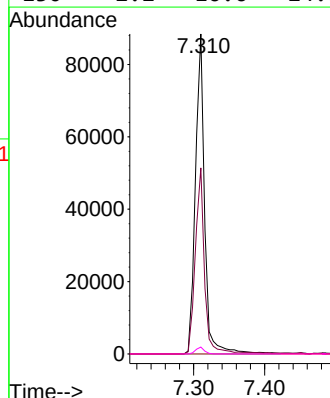
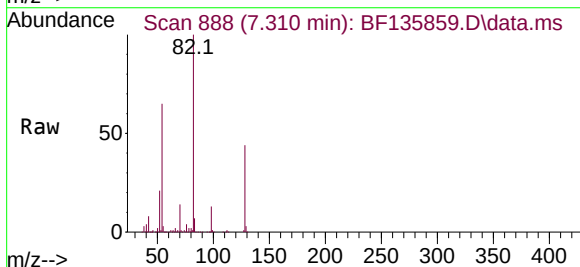
Ion Ratio Lower Upper

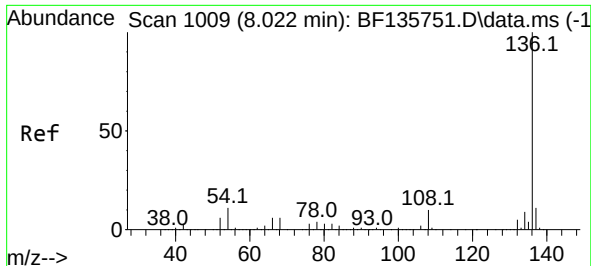
70 100

42 58.1 59.8 89.6#

101 0.0 7.4 11.2#

130 2.2 16.6 24.8#



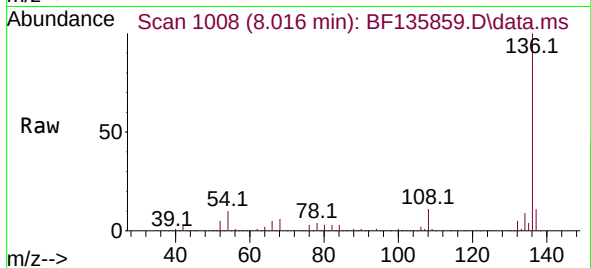


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

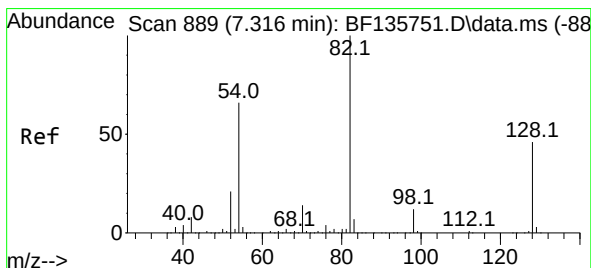
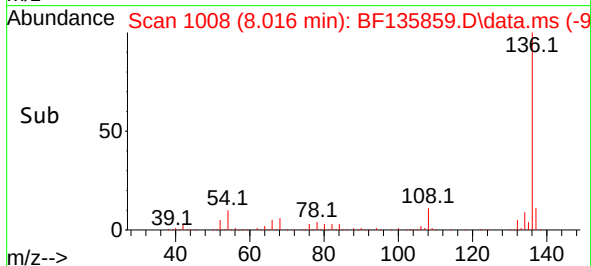
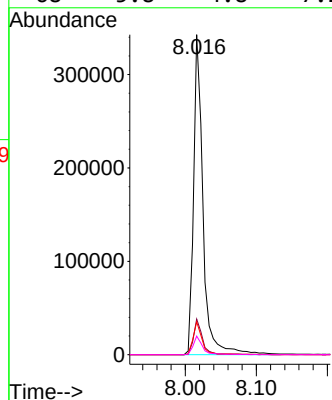
Instrument :

BNA\_F

ClientSampleId :

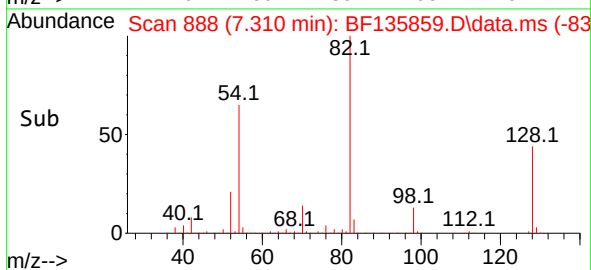
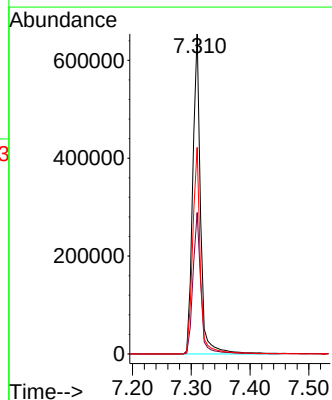
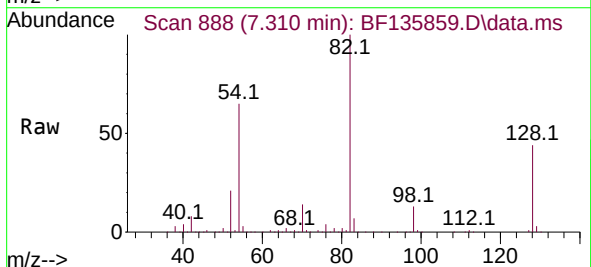


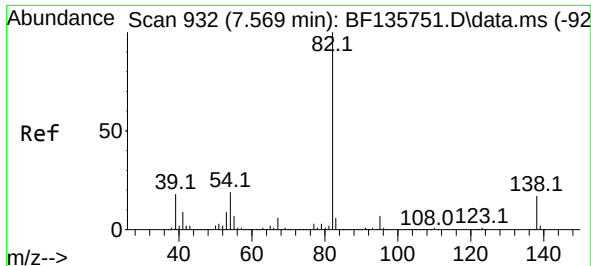
Tgt Ion:136 Resp: 317922  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 10.2 8.5 12.7  
68 5.8 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 104.460 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

Tgt Ion: 82 Resp: 603828  
Ion Ratio Lower Upper  
82 100  
128 44.2 37.0 55.6  
54 64.5 52.8 79.2

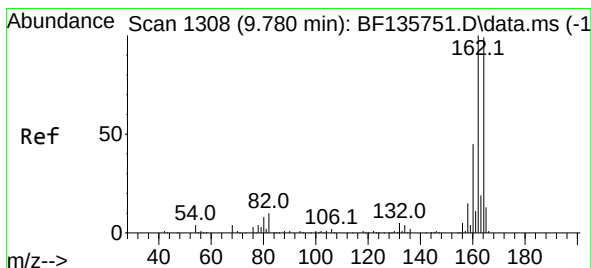
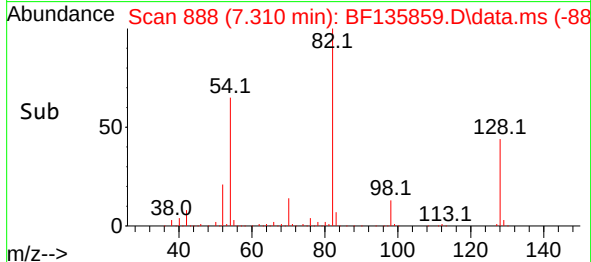
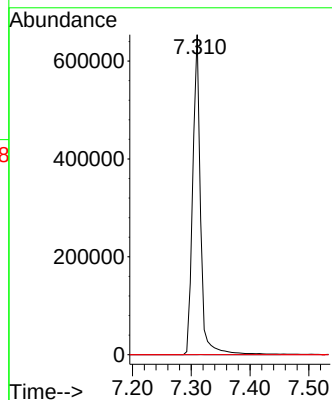
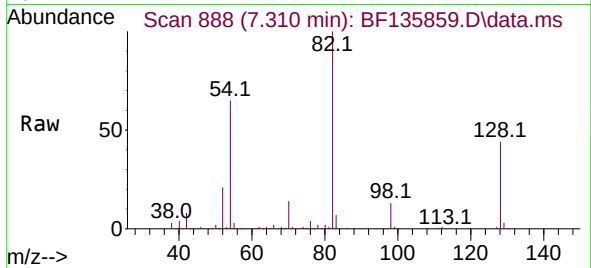




#25  
Isophorone  
Concen: 55.370 ng  
RT: 7.310 min Scan# 81  
Delta R.T. -0.259 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

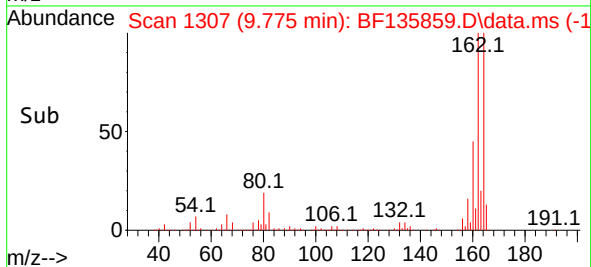
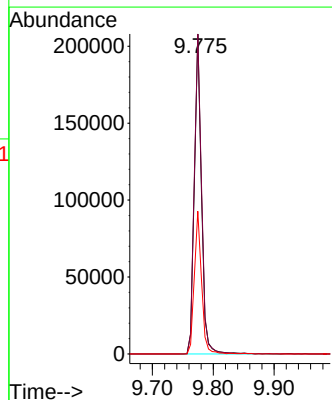
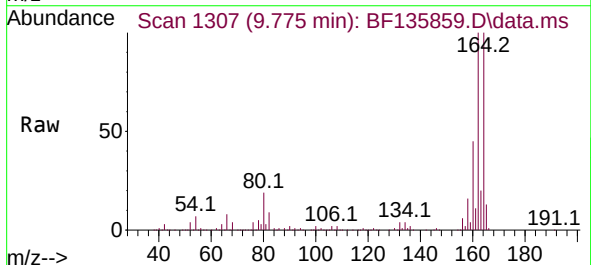
Instrument :  
BNA\_F  
ClientSampleId :

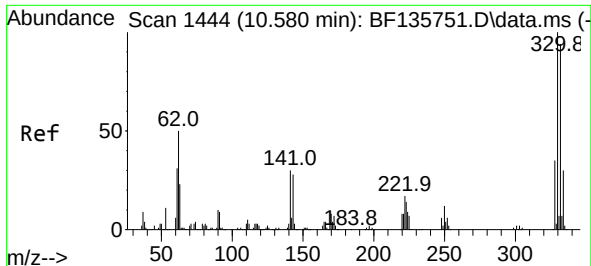
Tgt Ion: 82 Resp: 603828  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

Tgt Ion:164 Resp: 168414  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.8 121.2  
160 44.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 163.100 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

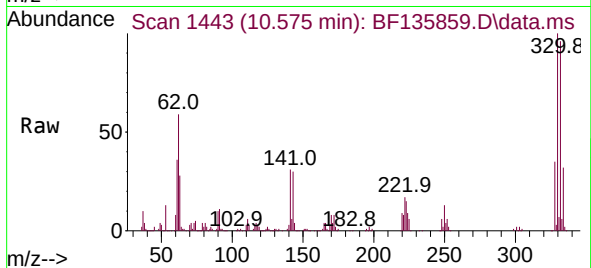
Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

Instrument :

BNA\_F

ClientSampleId :



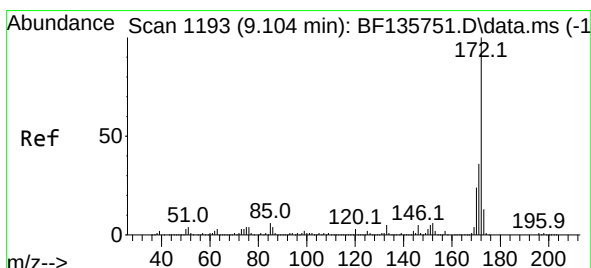
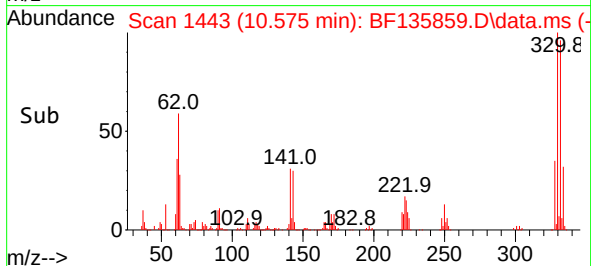
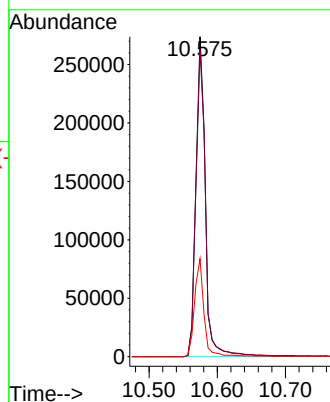
Tgt Ion:330 Resp: 263581

Ion Ratio Lower Upper

330 100

332 97.3 75.0 112.4

141 30.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 101.234 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135859.D

Acq: 18 Oct 2023 21:25

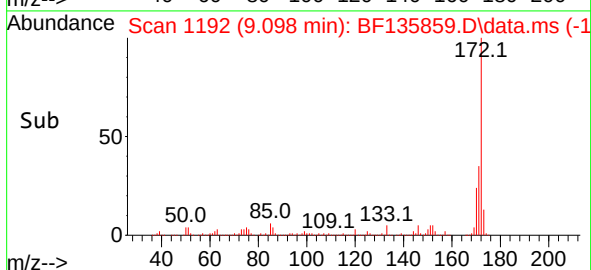
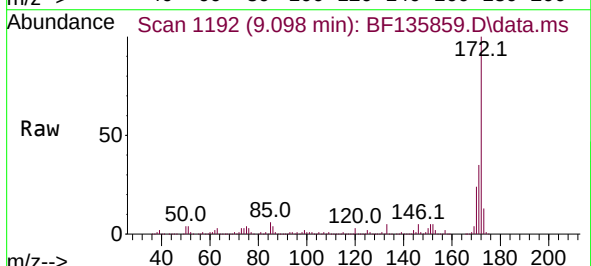
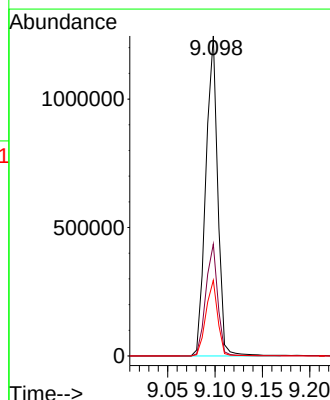
Tgt Ion:172 Resp: 1090448

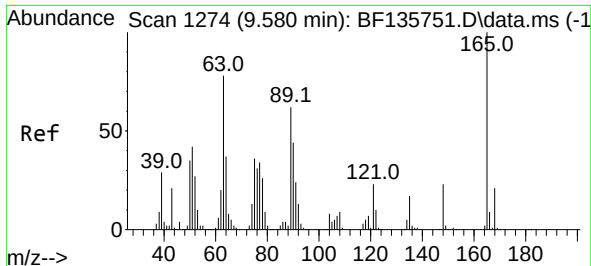
Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.7 18.8 28.2

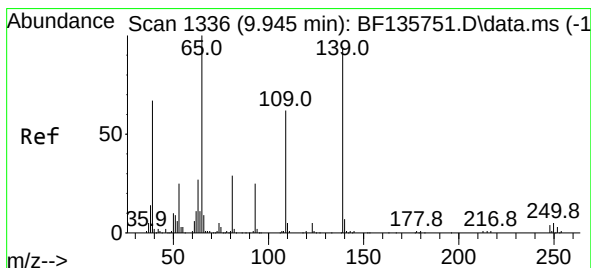
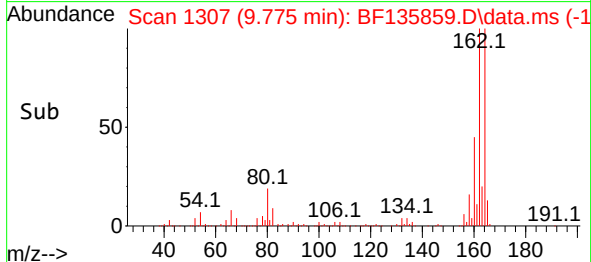
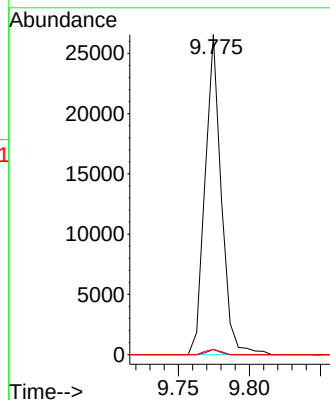
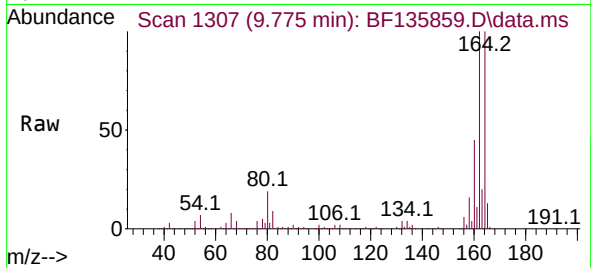




#51  
2,6-Dinitrotoluene  
Concen: 8.661 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

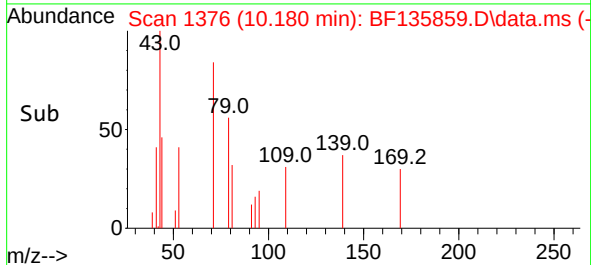
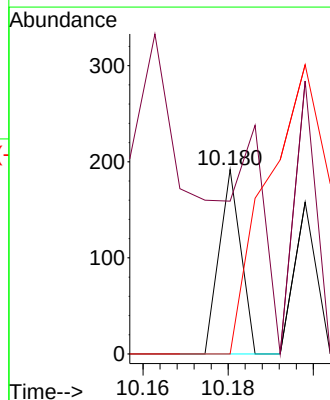
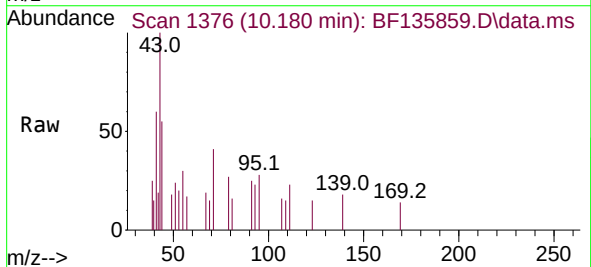
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:165 Resp: 21174  
Ion Ratio Lower Upper  
165 100  
63 1.6 62.2 93.4#  
89 1.7 49.6 74.4#

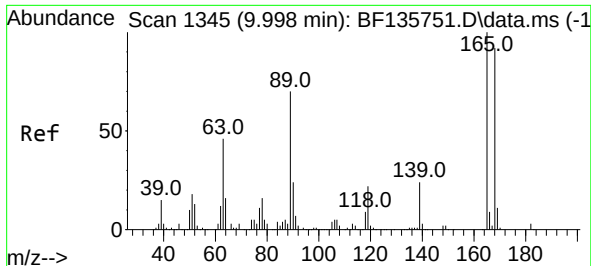


#56  
4-Nitrophenol  
Concen: 5.538 ng  
RT: 10.180 min Scan# 1376  
Delta R.T. 0.235 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

Tgt Ion:139 Resp: 68  
Ion Ratio Lower Upper  
139 100  
109 82.8 45.6 85.6  
65 0.0 87.5 127.5#

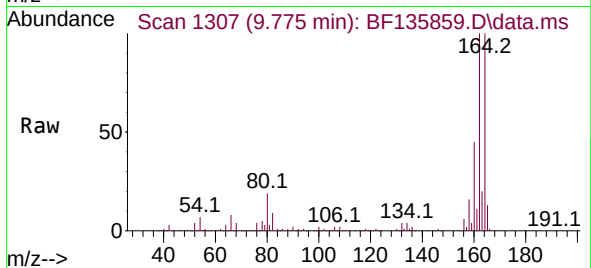




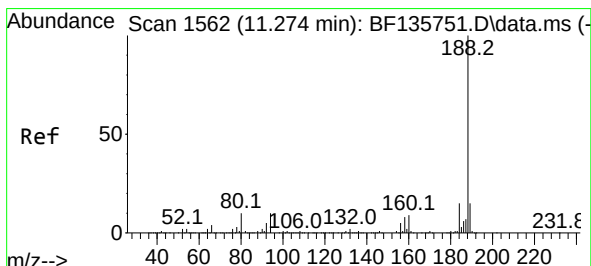
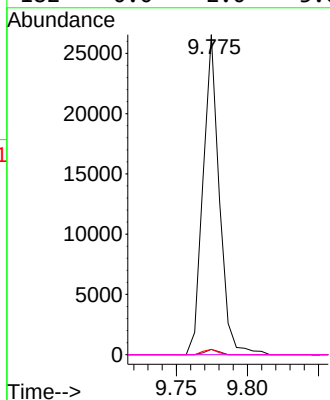
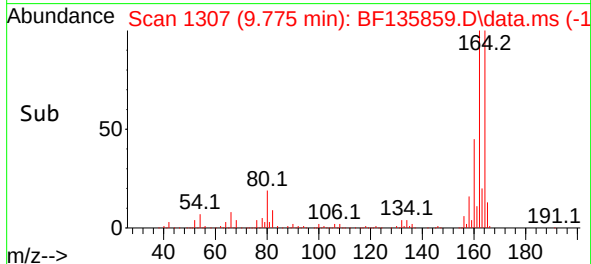


#57  
2,4-Dinitrotoluene  
Concen: 6.808 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.230 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

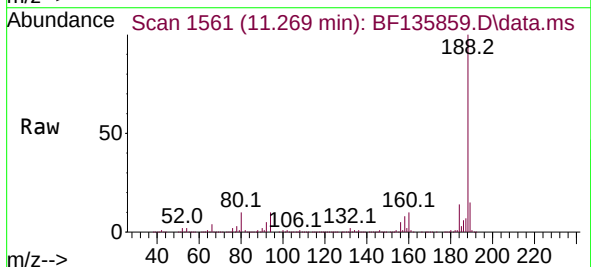
Instrument :  
BNA\_F  
ClientSampleId :



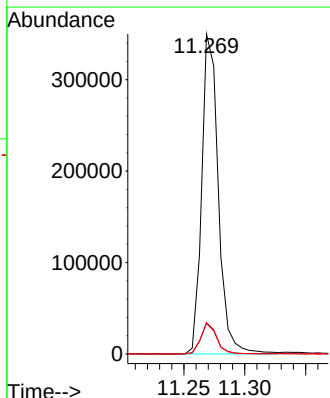
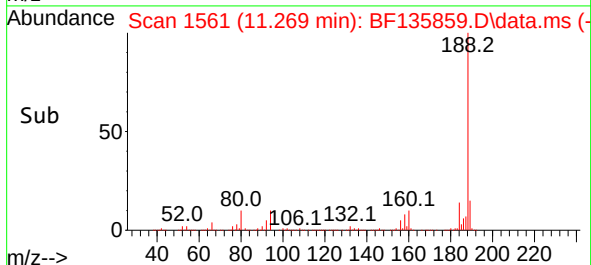
Tgt Ion:165 Resp: 21174  
Ion Ratio Lower Upper  
165 100  
63 1.6 39.0 58.4#  
89 1.7 55.9 83.9#  
182 0.0 2.0 3.0#

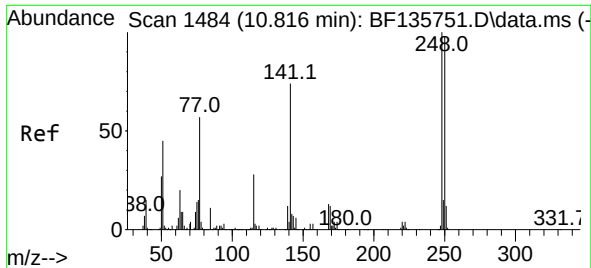


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. -0.012 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25



Tgt Ion:188 Resp: 332939  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.0 12.0  
80 9.8 8.3 12.5

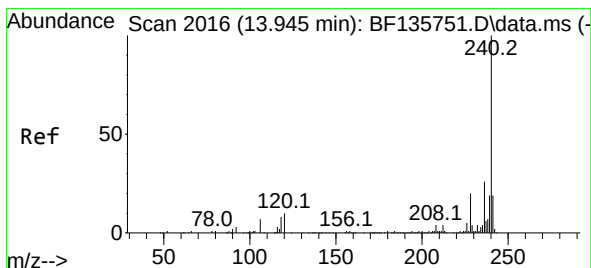
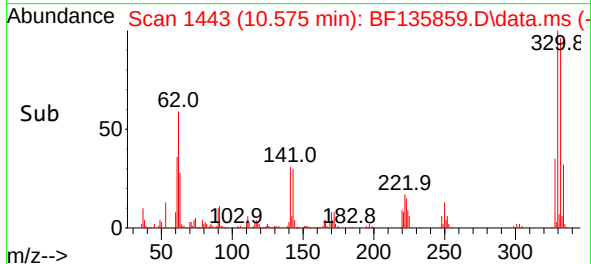
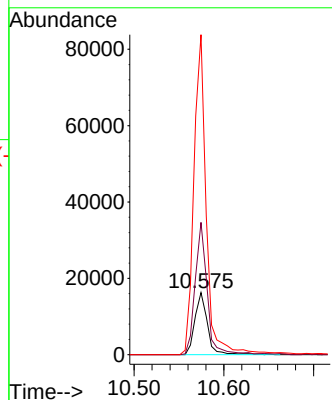
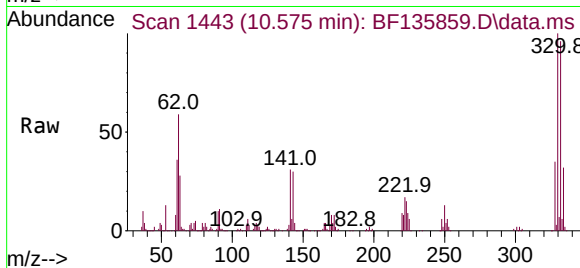




#67  
4-Bromophenyl-phenylether  
Concen: 4.736 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.247 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

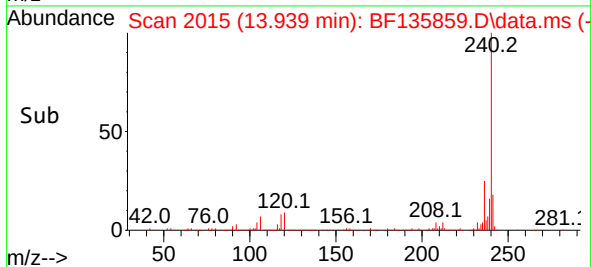
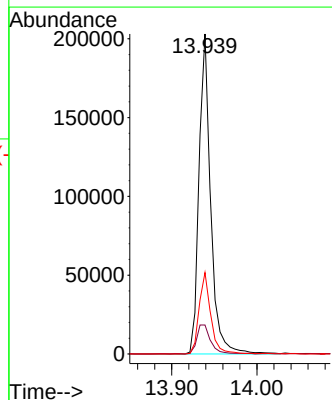
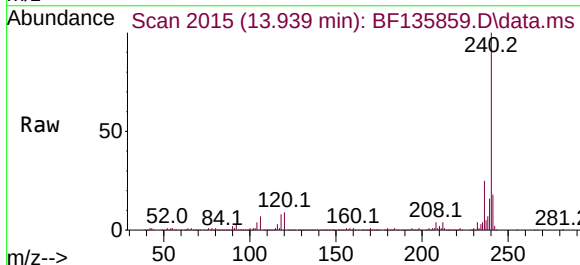
Instrument :  
BNA\_F  
ClientSampleId :

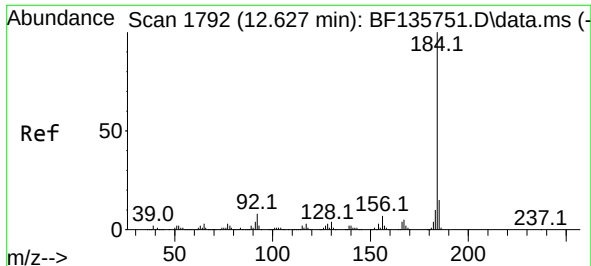
Tgt Ion:248 Resp: 15829  
Ion Ratio Lower Upper  
248 100  
250 213.1 78.0 117.0#  
141 515.3 59.0 88.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.012 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

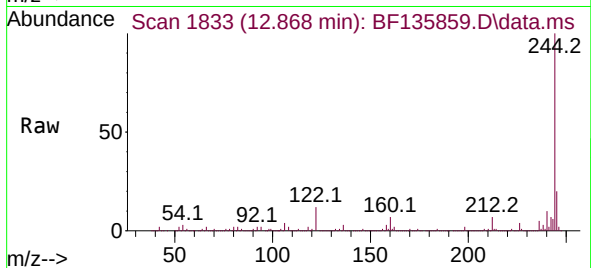
Tgt Ion:240 Resp: 193105  
Ion Ratio Lower Upper  
240 100  
120 9.1 8.2 12.2  
236 25.5 21.2 31.8



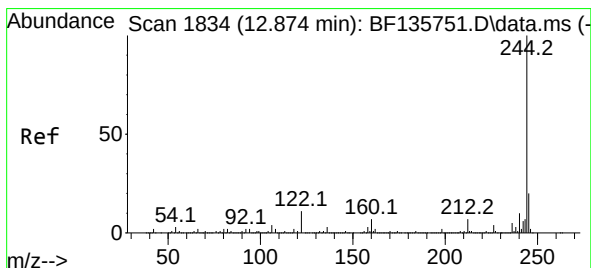
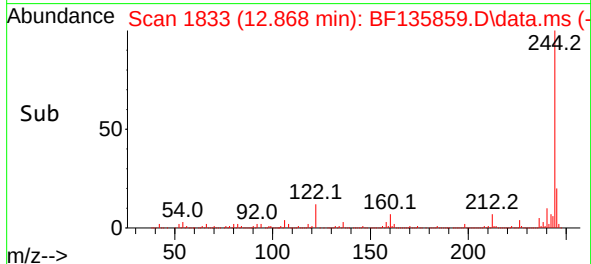
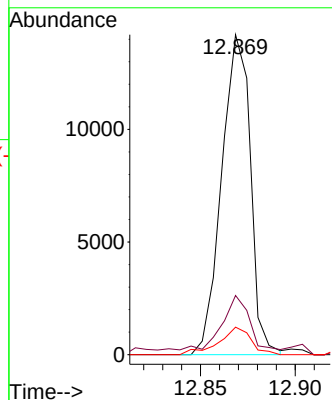


#77  
Benzidine  
Concen: 3.555 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. 0.235 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

Instrument :  
BNA\_F  
ClientSampleId :

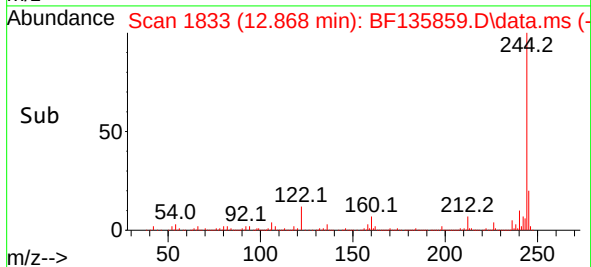
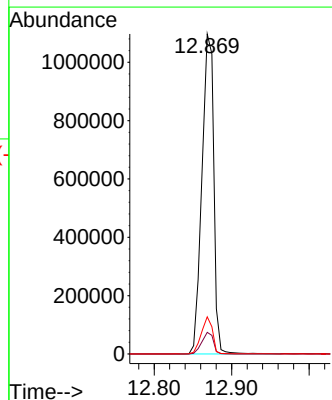
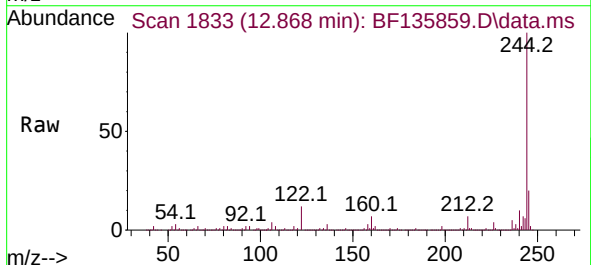


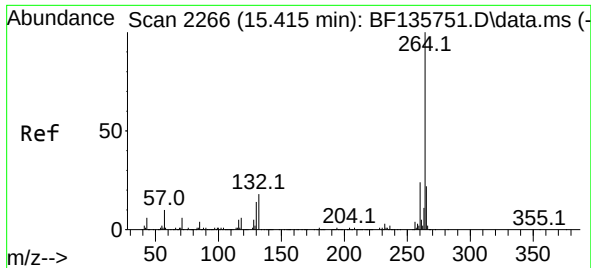
Tgt Ion:184 Resp: 14979  
Ion Ratio Lower Upper  
184 100  
185 18.5 12.0 18.0#  
183 8.6 8.2 12.2



#79  
Terphenyl-d14  
Concen: 111.811 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. -0.012 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

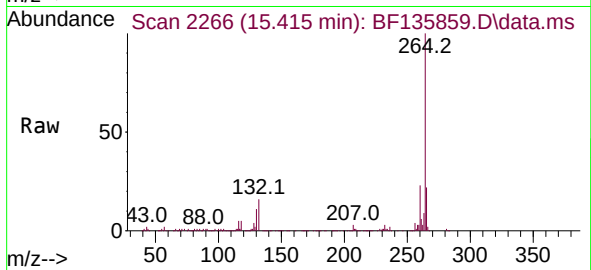
Tgt Ion:244 Resp: 1165886  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.6 8.4  
122 11.6 9.0 13.6





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.415 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF135859.D  
Acq: 18 Oct 2023 21:25

Instrument :  
BNA\_F  
ClientSampleId :



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 162120 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.6  | 19.2  | 28.8   |
| 265       | 21.8  | 17.4  | 26.2   |

