

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101623\  
 Data File : BF135793.D  
 Acq On : 16 Oct 2023 23:56  
 Operator : CG\JU  
 Sample : 04844-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-603-COMP-05

Quant Time: Oct 17 02:00:12 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

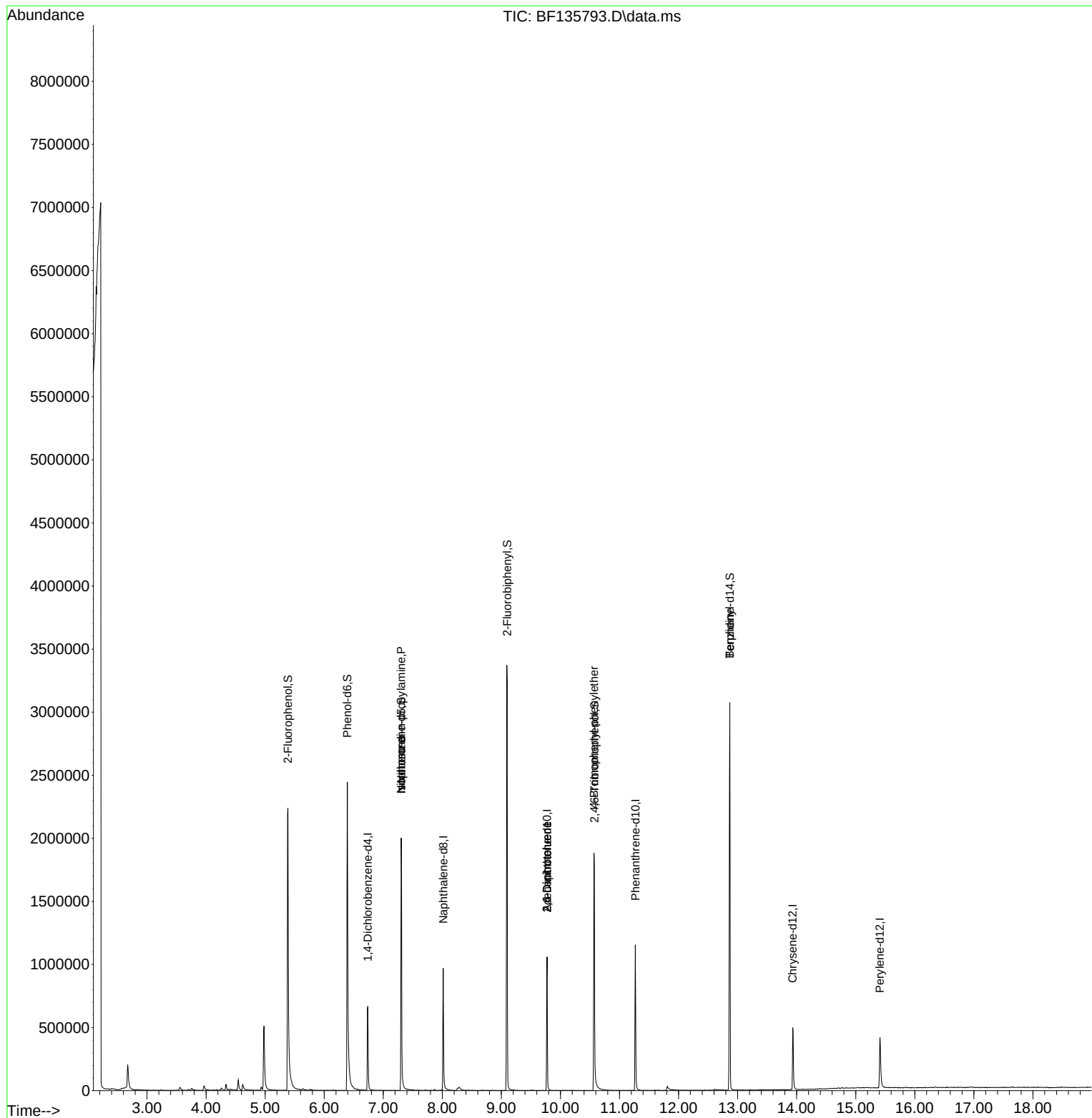
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 109995   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 423921   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.775  | 164  | 212488   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.269 | 188  | 421427   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.933 | 240  | 202631   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 15.409 | 264  | 226489   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 801989   | 117.223 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.392  | 99   | 920560   | 107.840 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 638190   | 82.798  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 269307   | 132.078 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1111025  | 81.750  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.868 | 244  | 1119354  | 102.301 | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 85456    | 16.191  | ng    | # 79     |
| 25) Isophorone                | 7.304  | 82   | 638183   | 43.888  | ng    | # 66     |
| 51) 2,6-Dinitrotoluene        | 9.775  | 165  | 26963    | 8.741   | ng    | # 16     |
| 57) 2,4-Dinitrotoluene        | 9.775  | 165  | 26963    | 6.871   | ng    | # 24     |
| 67) 4-Bromophenyl-phenylether | 10.569 | 248  | 16739    | 3.957   | ng    | # 1      |
| 77) Benzidine                 | 12.868 | 184  | 14057    | 3.179   | ng    | # 93     |
| -----                         |        |      |          |         |       |          |

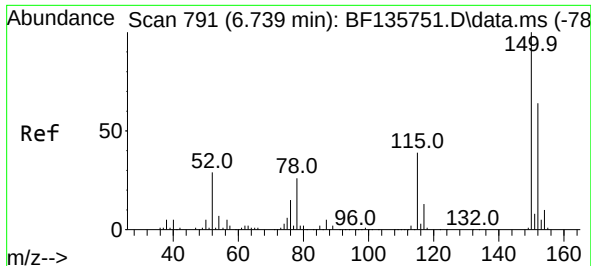
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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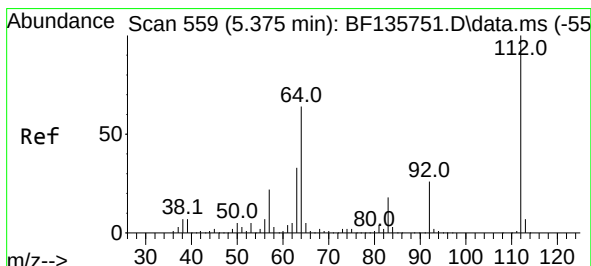
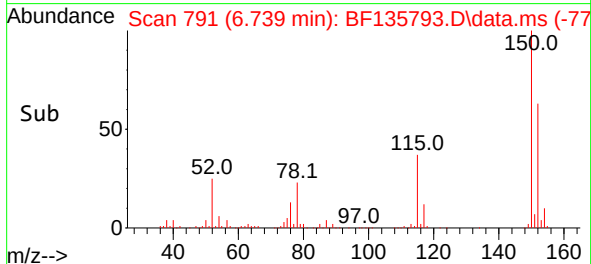
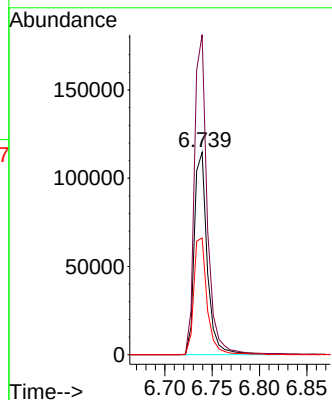
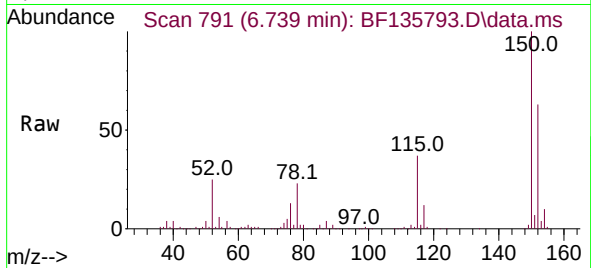




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.739 min Scan# 791  
Delta R.T. -0.007 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

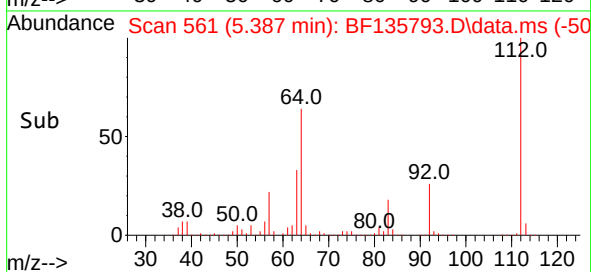
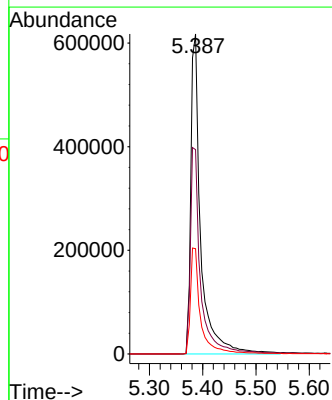
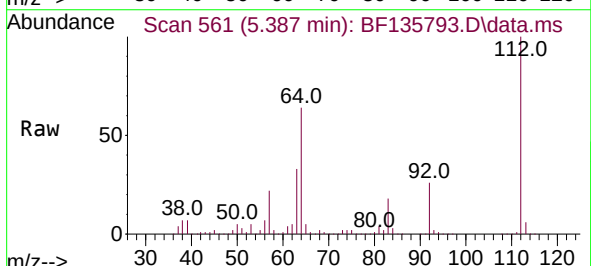
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BNA\_F  
ClientSampleId :  
OR-603-COMP-05

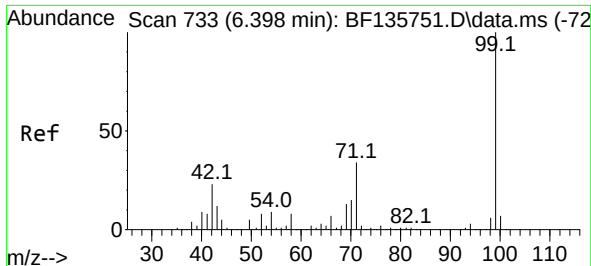
Tgt Ion:152 Resp: 109995  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.5 186.7  
115 57.7 49.0 73.4



#5  
2-Fluorophenol  
Concen: 117.223 ng  
RT: 5.387 min Scan# 561  
Delta R.T. 0.012 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion:112 Resp: 801989  
Ion Ratio Lower Upper  
112 100  
64 63.9 51.2 76.8  
63 32.9 26.1 39.1

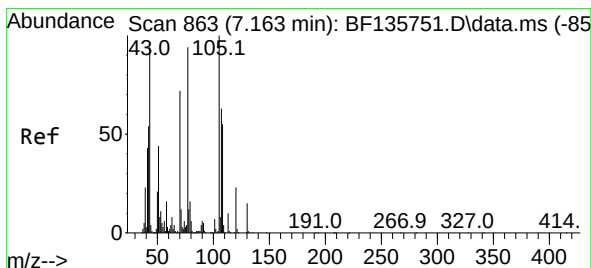
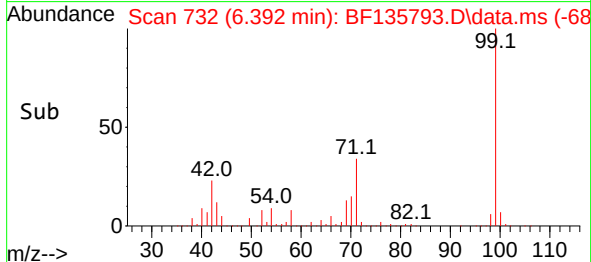
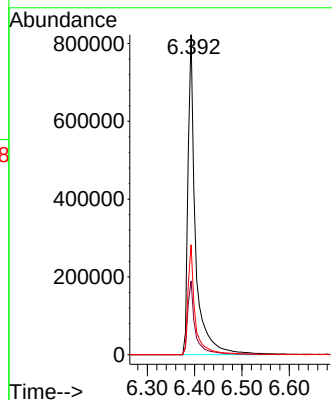
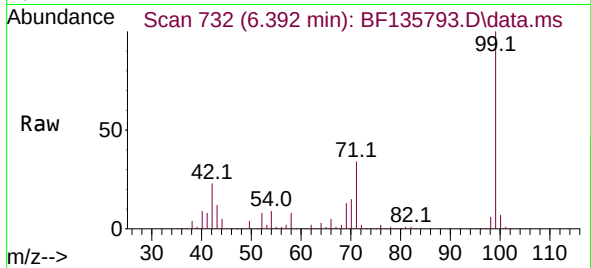




#7  
Phenol-d6  
Concen: 107.840 ng  
RT: 6.392 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

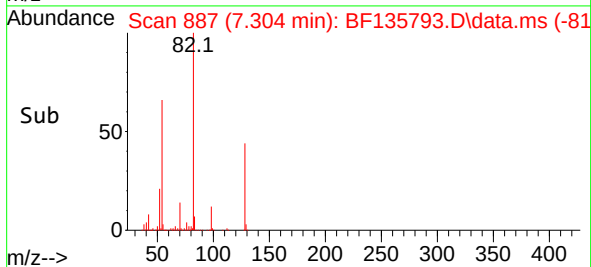
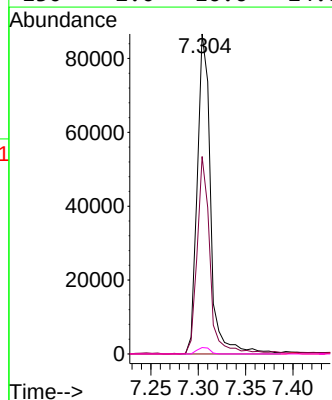
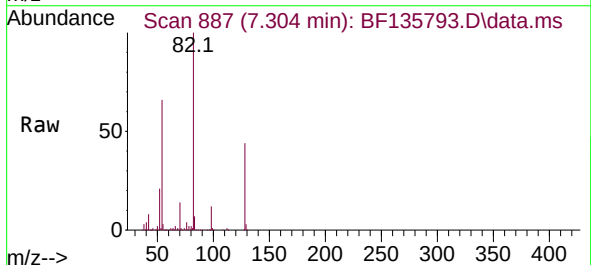
Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05

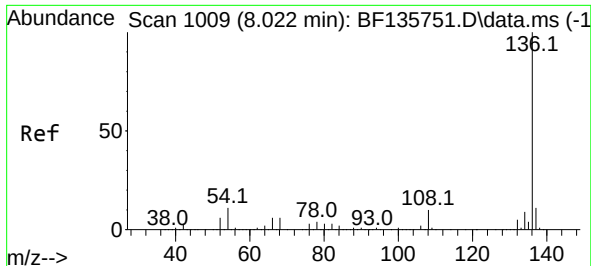
Tgt Ion: 99 Resp: 920560  
Ion Ratio Lower Upper  
99 100  
42 23.1 18.4 27.6  
71 34.4 27.2 40.8



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.191 ng  
RT: 7.304 min Scan# 887  
Delta R.T. 0.141 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion: 70 Resp: 85456  
Ion Ratio Lower Upper  
70 100  
42 61.7 59.8 89.6  
101 0.0 7.4 11.2#  
130 2.0 16.6 24.8#

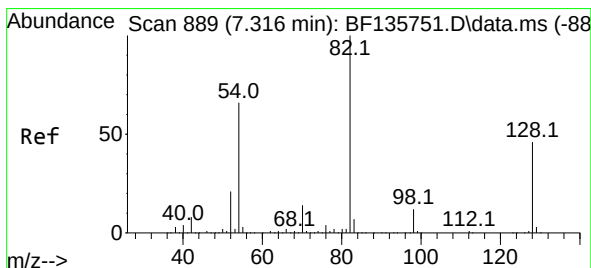
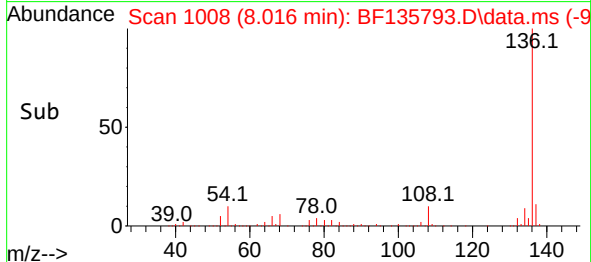
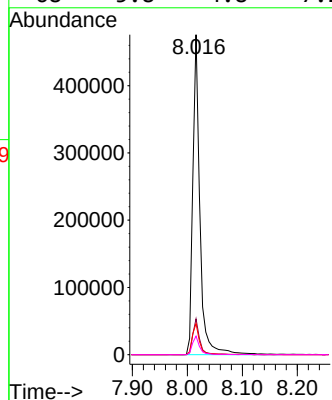
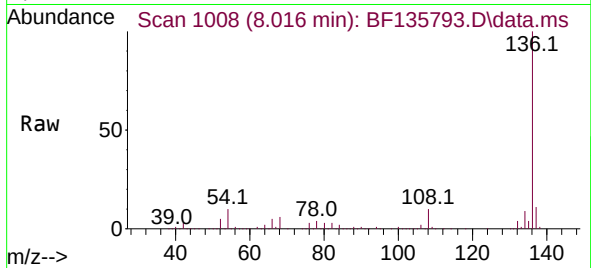




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.006 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

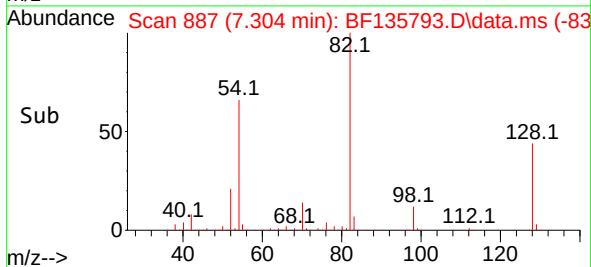
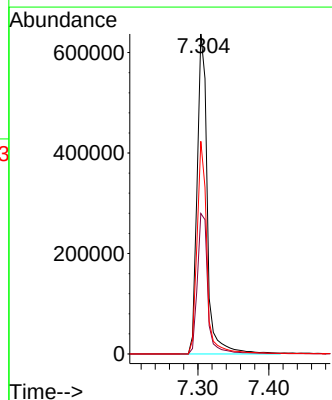
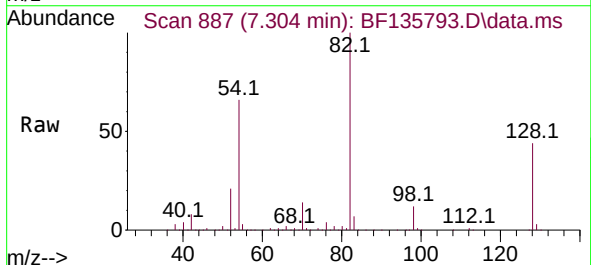
Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05

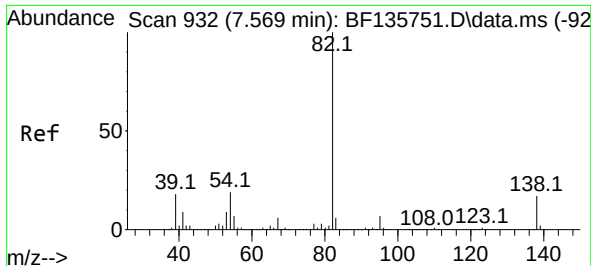
Tgt Ion:136 Resp: 423921  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 12.8  
54 9.7 8.5 12.7  
68 5.8 4.8 7.2



#23  
Nitrobenzene-d5  
Concen: 82.798 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.012 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion: 82 Resp: 638190  
Ion Ratio Lower Upper  
82 100  
128 43.9 37.0 55.6  
54 66.5 52.8 79.2

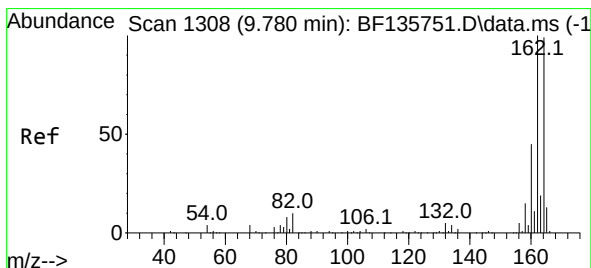
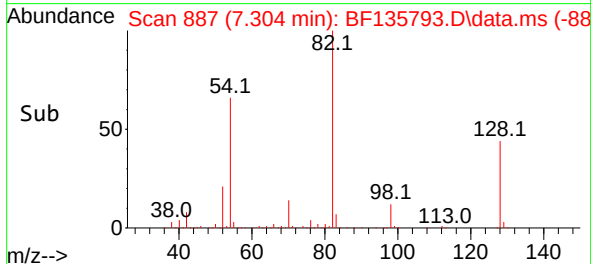
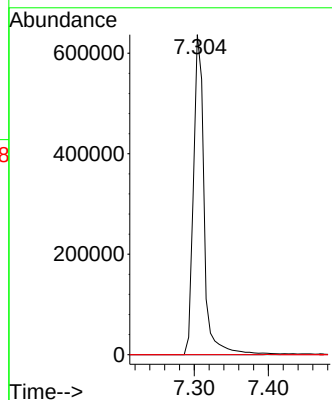
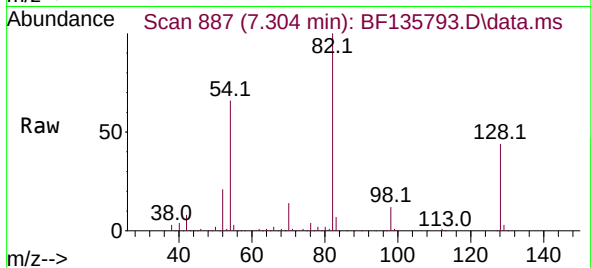




#25  
Isophorone  
Concen: 43.888 ng  
RT: 7.304 min Scan# 81  
Delta R.T. -0.265 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

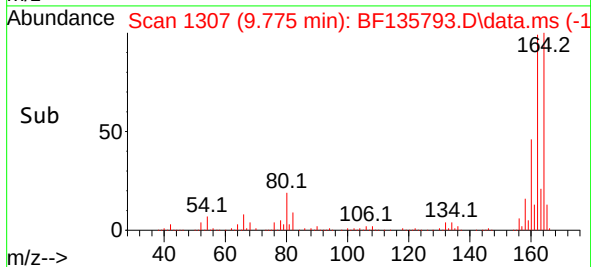
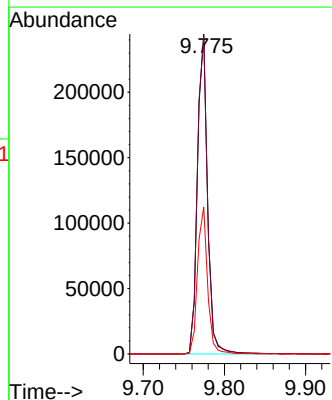
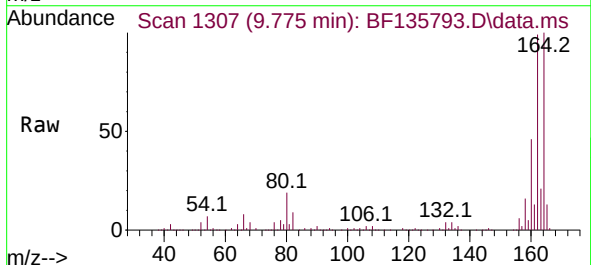
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ClientSampleId :  
OR-603-COMP-05

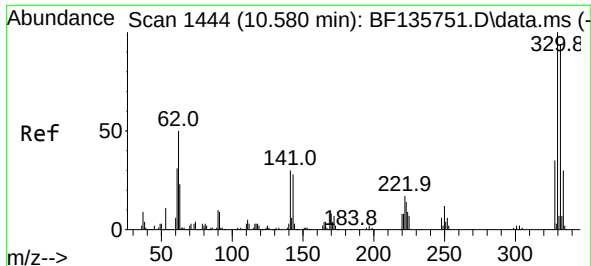
Tgt Ion: 82 Resp: 638183  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 13.9 20.9#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion:164 Resp: 212488  
Ion Ratio Lower Upper  
164 100  
162 99.3 80.8 121.2  
160 45.9 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 132.078 ng

RT: 10.574 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135793.D

Acq: 16 Oct 2023 23:56

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05

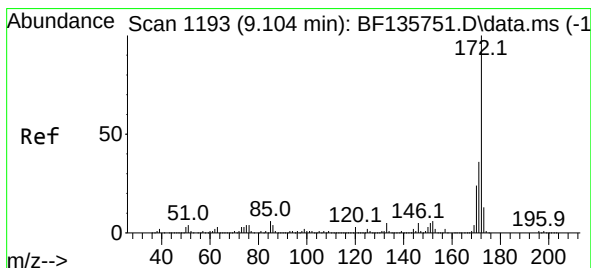
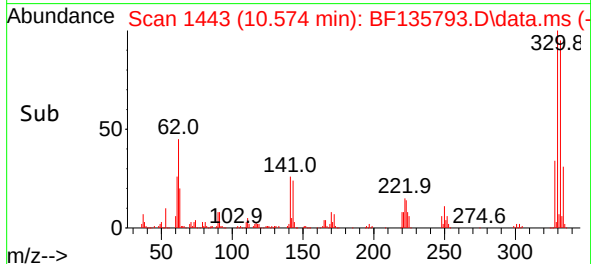
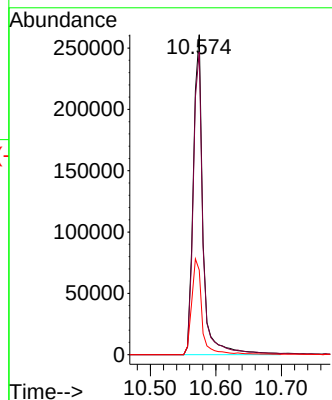
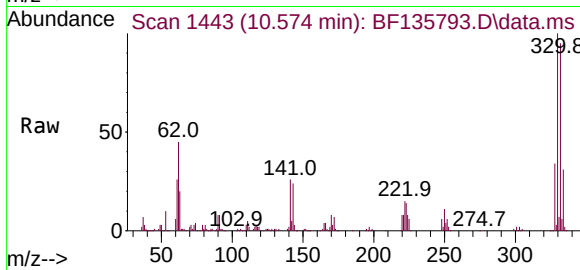
Tgt Ion:330 Resp: 269307

Ion Ratio Lower Upper

330 100

332 96.0 75.0 112.4

141 32.3 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 81.750 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135793.D

Acq: 16 Oct 2023 23:56

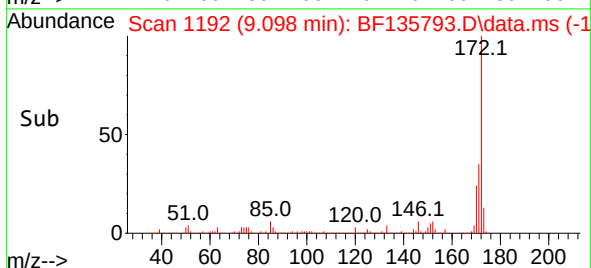
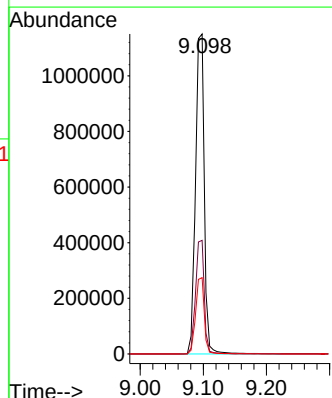
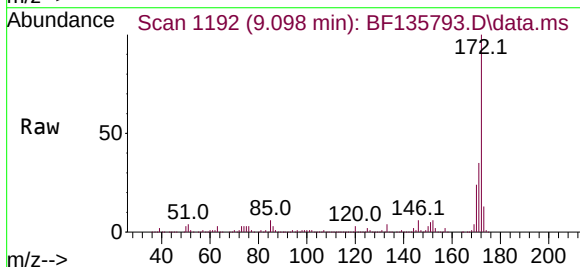
Tgt Ion:172 Resp: 1111025

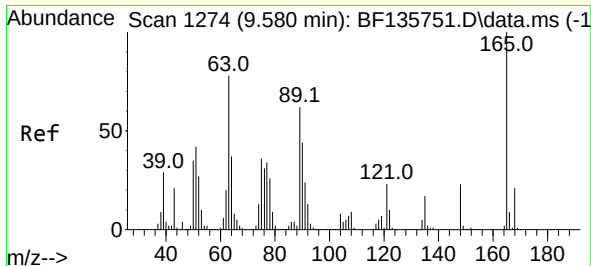
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.8 18.8 28.2

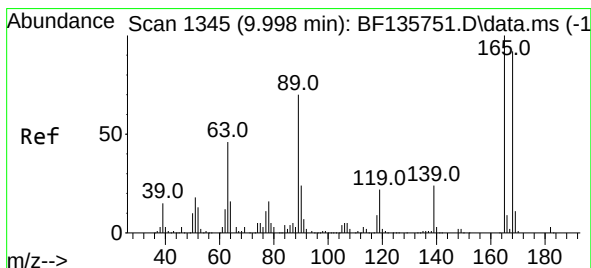
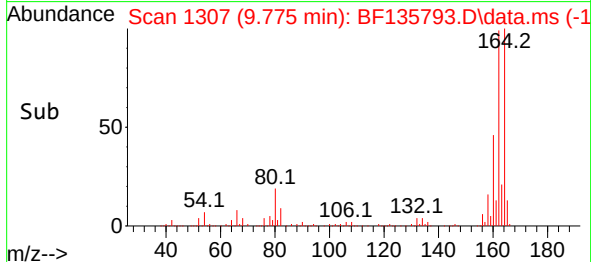
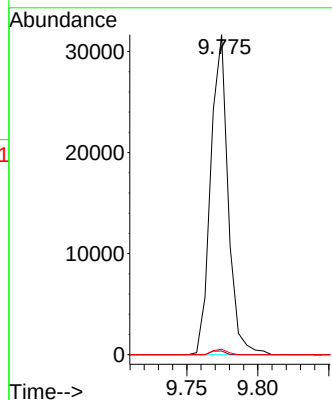
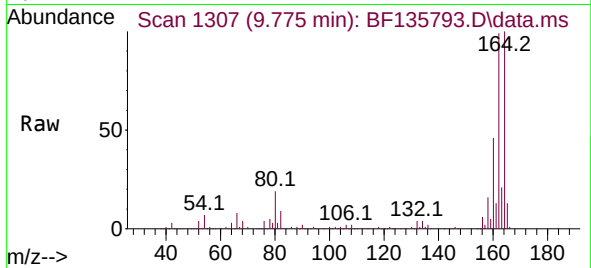




#51  
2,6-Dinitrotoluene  
Concen: 8.741 ng  
RT: 9.775 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

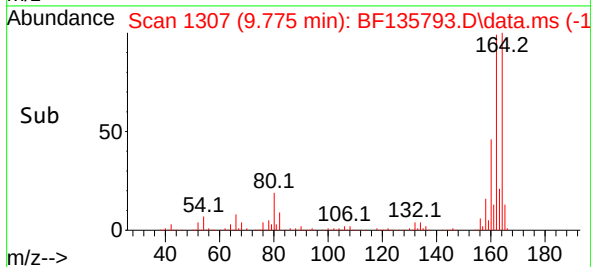
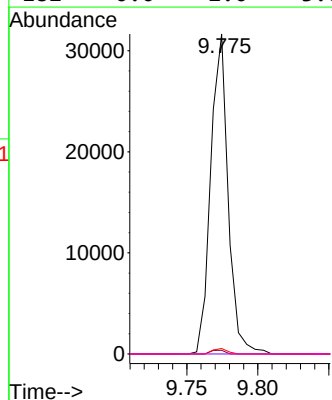
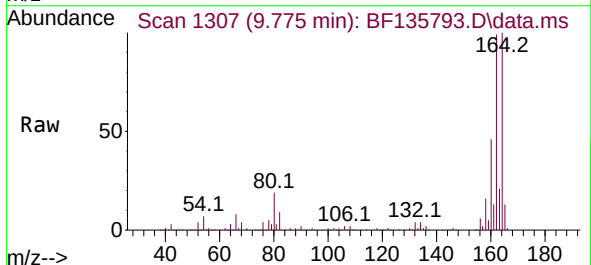
Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05

Tgt Ion:165 Resp: 26963  
Ion Ratio Lower Upper  
165 100  
63 1.2 62.2 93.4#  
89 1.7 49.6 74.4#

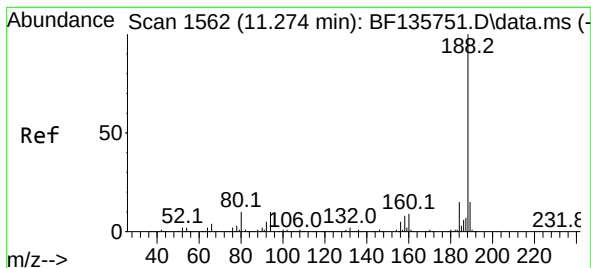


#57  
2,4-Dinitrotoluene  
Concen: 6.871 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.230 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion:165 Resp: 26963  
Ion Ratio Lower Upper  
165 100  
63 1.2 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# 11

Delta R.T. -0.012 min

Lab File: BF135793.D

Acq: 16 Oct 2023 23:56

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05

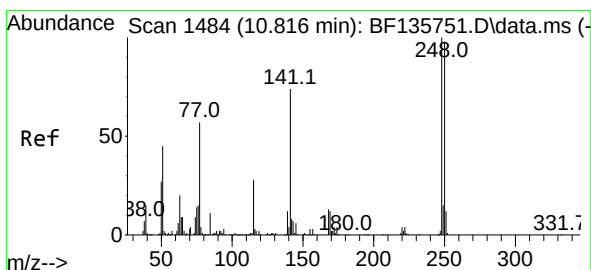
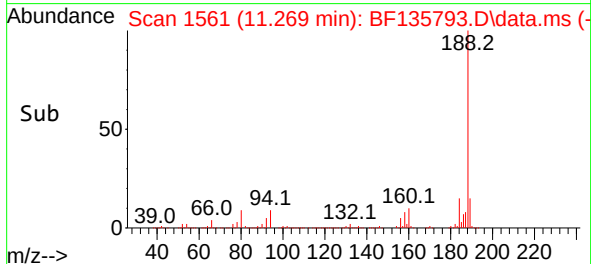
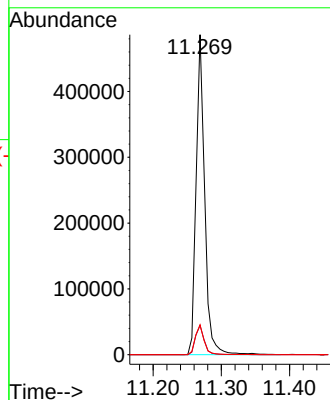
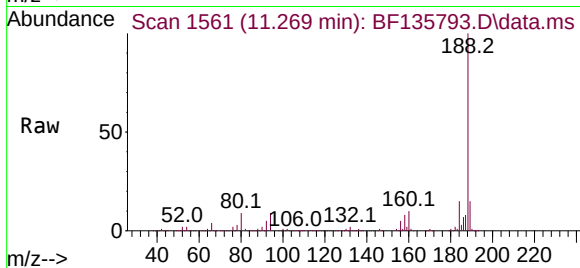
Tgt Ion:188 Resp: 421427

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

80 9.4 8.3 12.5



#67

4-Bromophenyl-phenylether

Concen: 3.957 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF135793.D

Acq: 16 Oct 2023 23:56

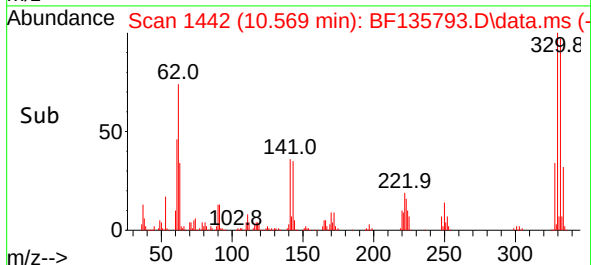
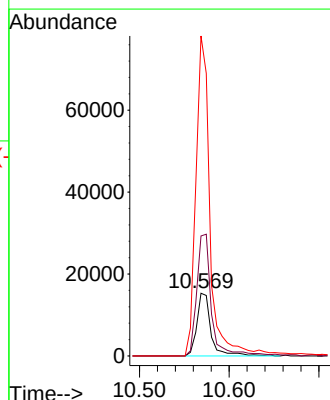
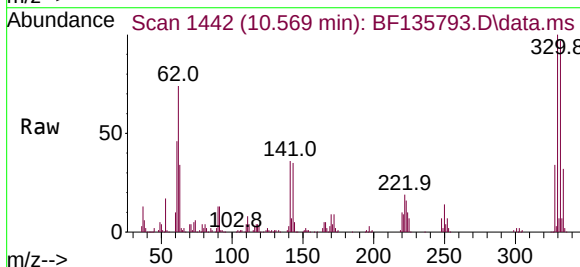
Tgt Ion:248 Resp: 16739

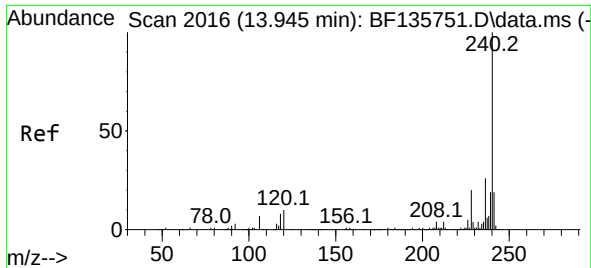
Ion Ratio Lower Upper

248 100

250 191.6 78.0 117.0#

141 510.6 59.0 88.6#

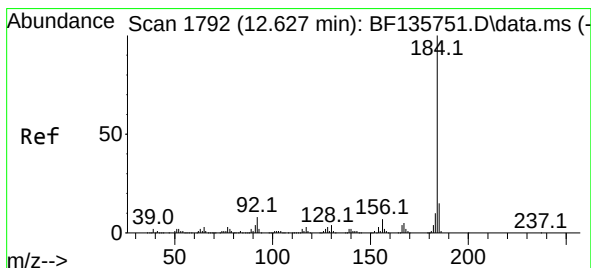
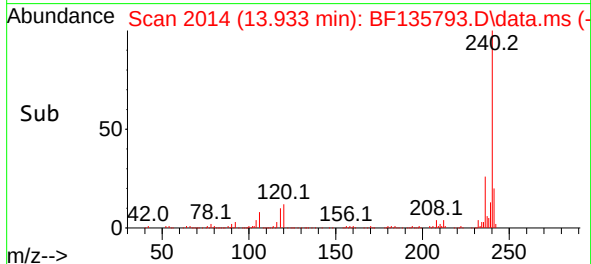
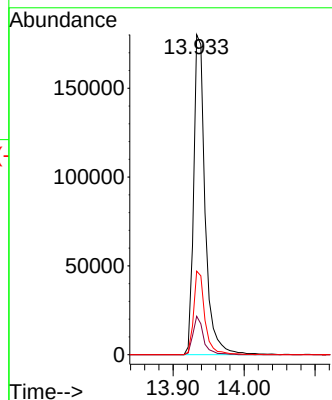
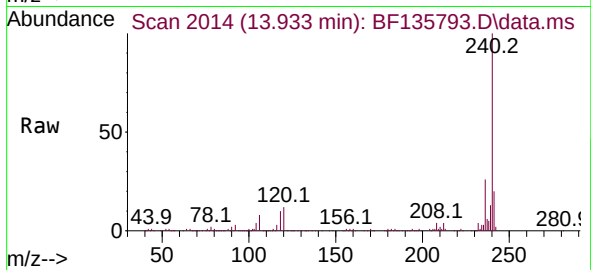




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.933 min Scan# 2016  
Delta R.T. -0.018 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

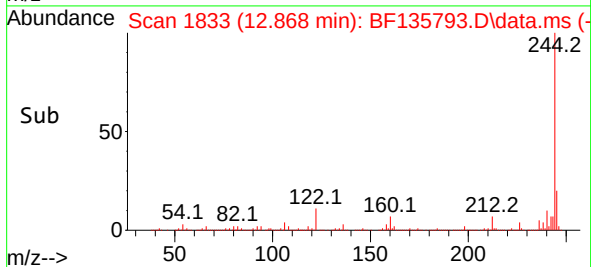
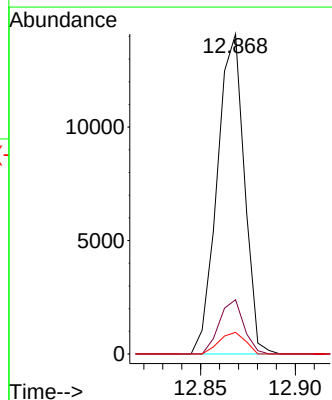
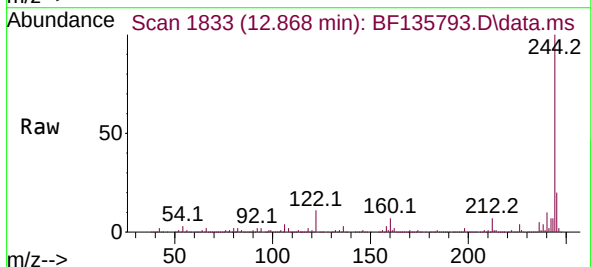
Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05

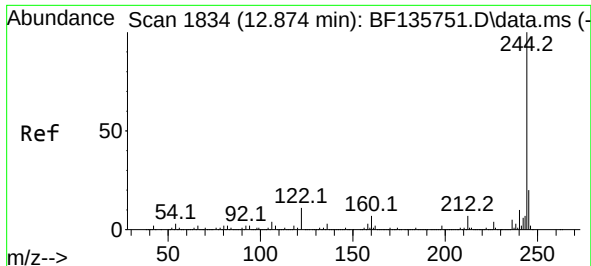
Tgt Ion:240 Resp: 202631  
Ion Ratio Lower Upper  
240 100  
120 12.0 8.2 12.2  
236 26.1 21.2 31.8



#77  
Benzidine  
Concen: 3.179 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. 0.235 min  
Lab File: BF135793.D  
Acq: 16 Oct 2023 23:56

Tgt Ion:184 Resp: 14057  
Ion Ratio Lower Upper  
184 100  
185 16.9 12.0 18.0  
183 6.7 8.2 12.2#

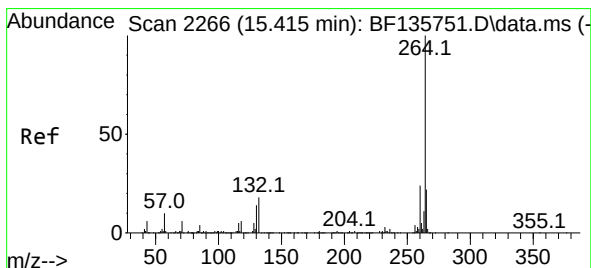
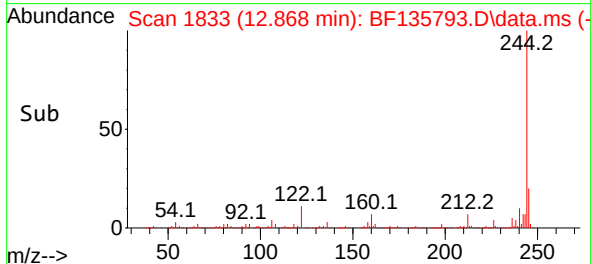
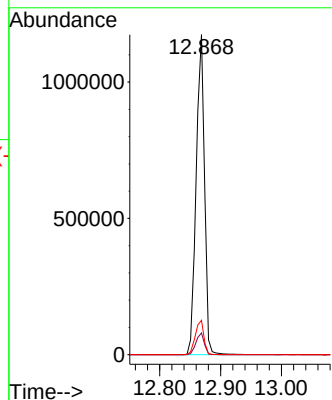
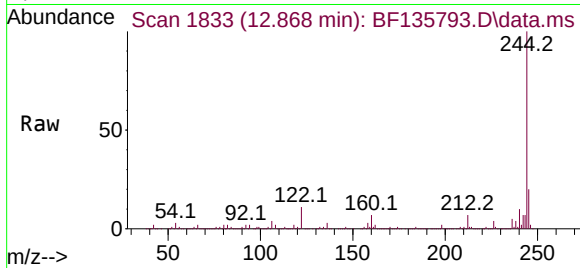




#79  
 Terphenyl-d14  
 Concen: 102.301 ng  
 RT: 12.868 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF135793.D  
 Acq: 16 Oct 2023 23:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-603-COMP-05

Tgt Ion:244 Resp: 1119354  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 10.8 9.0 13.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.409 min Scan# 2265  
 Delta R.T. -0.012 min  
 Lab File: BF135793.D  
 Acq: 16 Oct 2023 23:56

Tgt Ion:264 Resp: 226489  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 19.2 28.8  
 265 21.4 17.4 26.2

