

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083123\  
 Data File : BF135054.D  
 Acq On : 31 Aug 2023 22:02  
 Operator : CG\JU  
 Sample : 04197-02RE  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-309-OK-370-COMP-20

Quant Time: Sep 01 01:53:04 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 31 03:48:08 2023  
 Response via : Initial Calibration

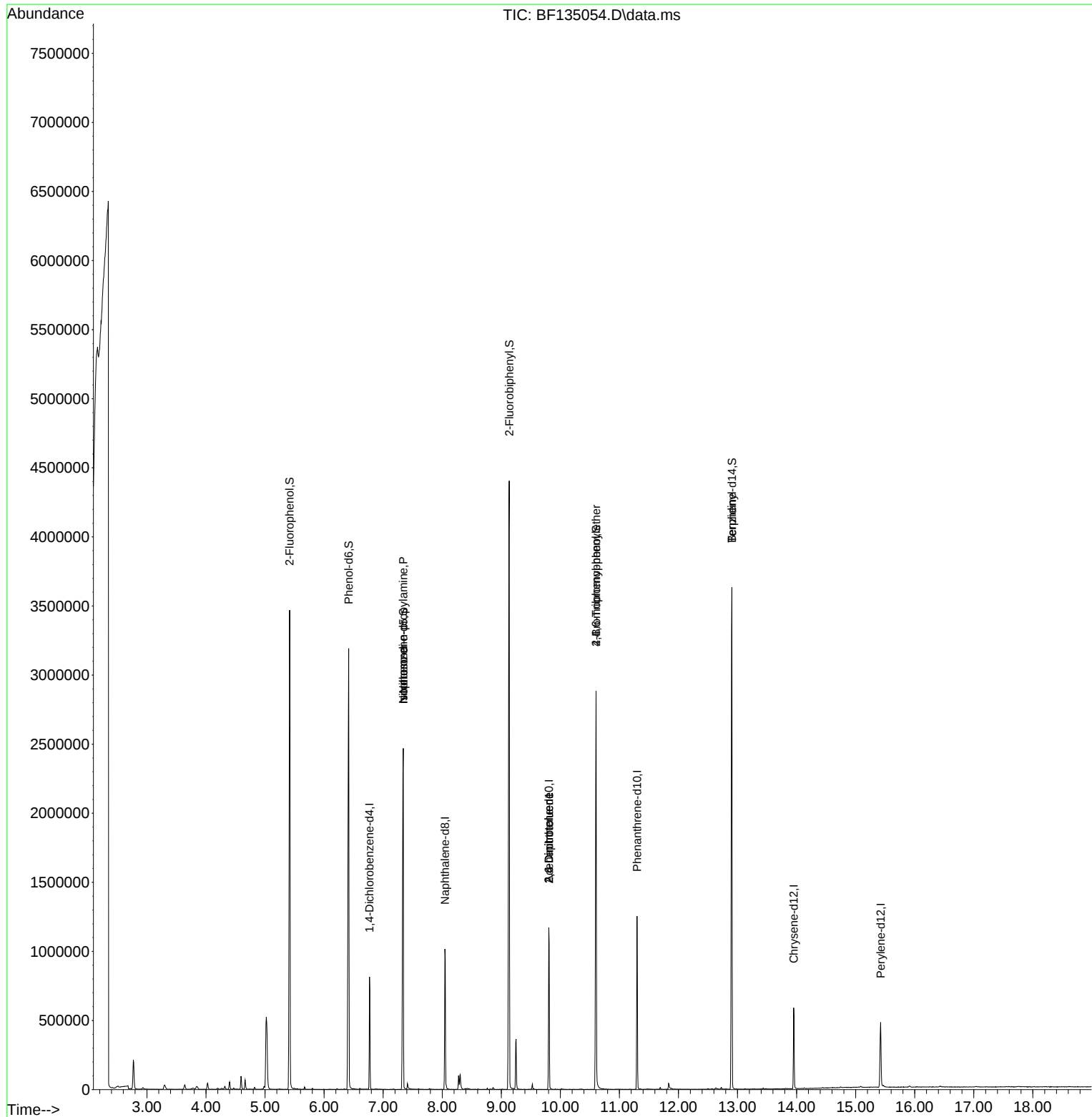
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.769  | 152  | 117145   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 476765   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.804  | 164  | 247678   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.298 | 188  | 436324   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.951 | 240  | 199577   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.421 | 264  | 221444   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 1059862  | 139.748 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.416  | 99   | 1200738  | 127.021 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.340  | 82   | 897796   | 105.794 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 377917   | 143.840 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 1585371  | 104.214 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.904 | 244  | 1377472  | 112.633 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.340  | 70   | 121096   | 21.566  | ng    | # 77     |
| 25) Isophorone                | 7.340  | 82   | 897781   | 55.798  | ng    | # 65     |
| 51) 2,6-Dinitrotoluene        | 9.804  | 165  | 32361    | 8.504   | ng    | # 22     |
| 57) 2,4-Dinitrotoluene        | 9.804  | 165  | 32361    | 6.824   | ng    | # 20     |
| 67) 4-Bromophenyl-phenylether | 10.604 | 248  | 22592    | 4.882   | ng    | # 1      |
| 77) Benzidine                 | 12.904 | 184  | 17000    | 4.725   | ng    | # 89     |
| -----                         |        |      |          |         |       |          |

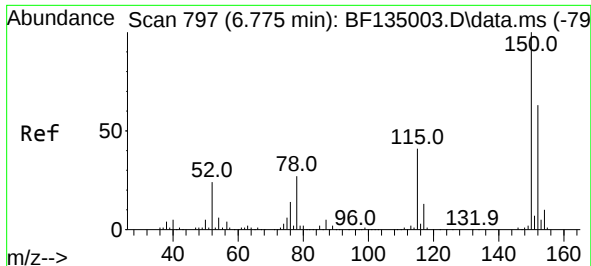
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083123\  
Data File : BF135054.D  
Acq On : 31 Aug 2023 22:02  
Operator : CG\JU  
Sample : 04197-02RE  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OR-309-OK-370-COMP-20

Quant Time: Sep 01 01:53:04 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF083023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 31 03:48:08 2023  
Response via : Initial Calibration

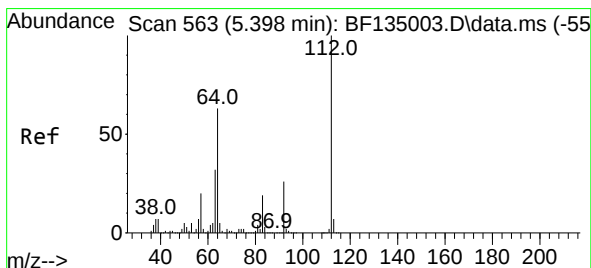
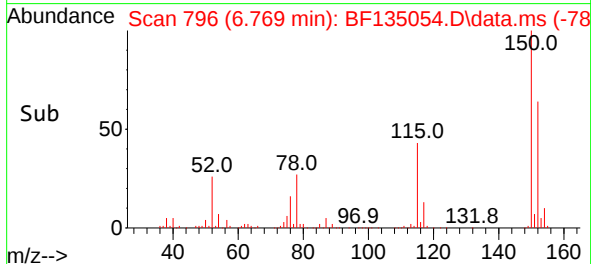
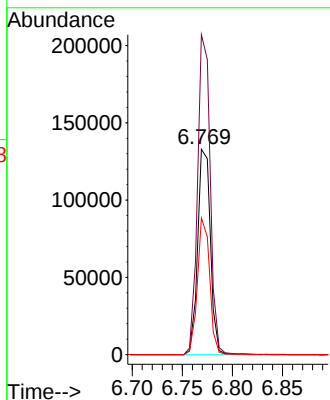
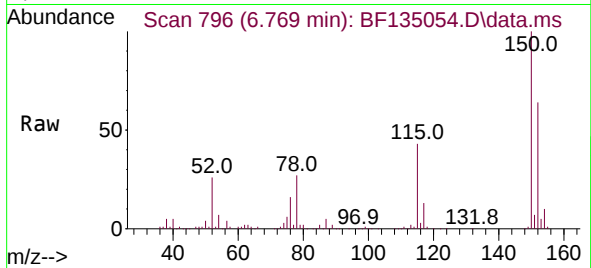




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.769 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

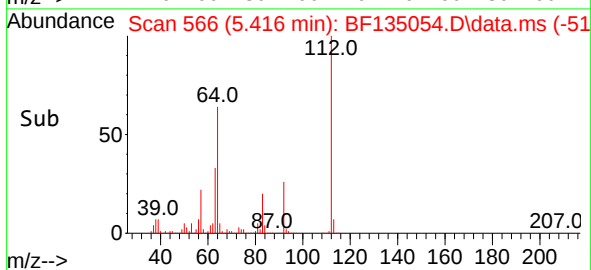
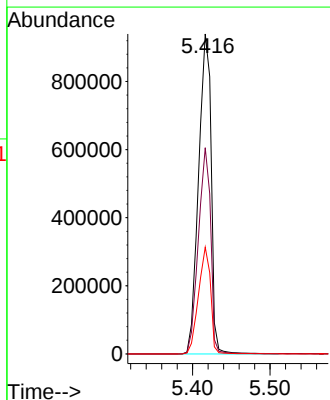
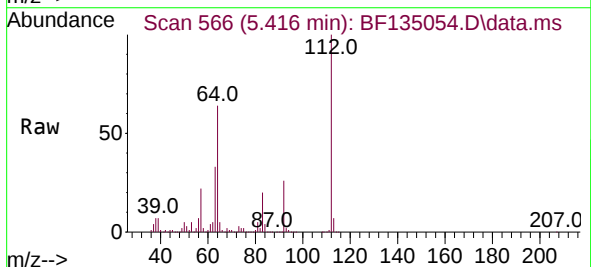
Instrument :  
BNA\_F  
ClientSampleId :  
OR-309-OK-370-COMP-20

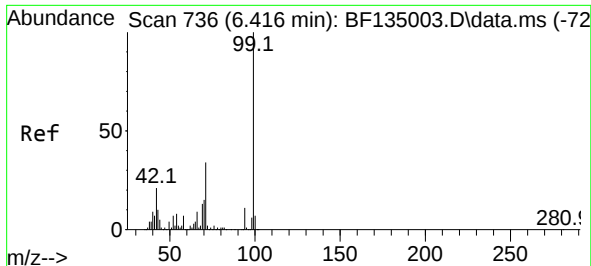
Tgt Ion:152 Resp: 117145  
Ion Ratio Lower Upper  
152 100  
150 155.8 126.2 189.4  
115 66.6 51.2 76.8



#5  
2-Fluorophenol  
Concen: 139.748 ng  
RT: 5.416 min Scan# 566  
Delta R.T. 0.018 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

Tgt Ion:112 Resp: 1059862  
Ion Ratio Lower Upper  
112 100  
64 64.4 50.5 75.7  
63 33.3 25.9 38.9





#7

Phenol-d6

Concen: 127.021 ng

RT: 6.416 min Scan# 736

Delta R.T. 0.000 min

Lab File: BF135054.D

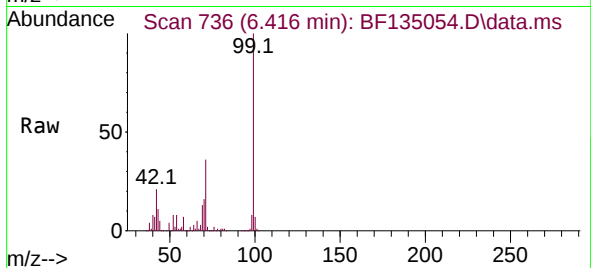
Acq: 31 Aug 2023 22:02

Instrument :

BNA\_F

ClientSampleId :

OR-309-OK-370-COMP-20



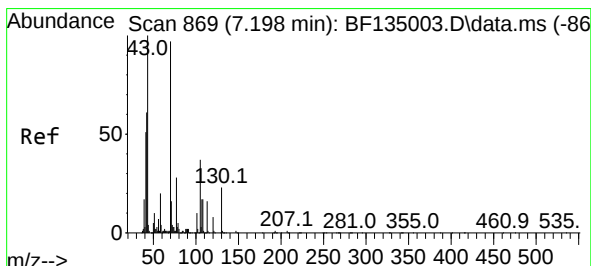
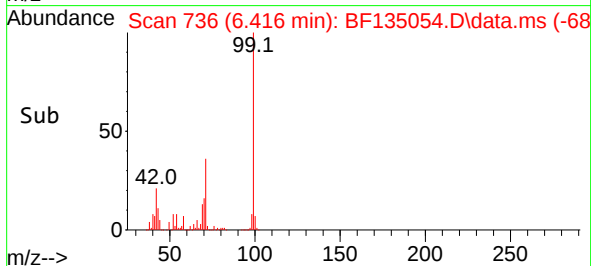
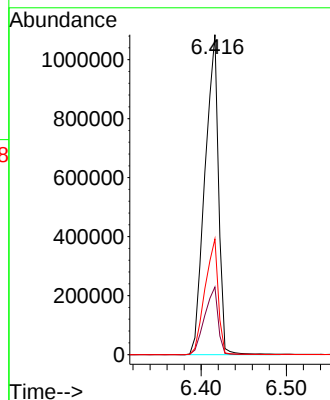
Tgt Ion: 99 Resp: 1200738

Ion Ratio Lower Upper

99 100

42 21.1 16.6 25.0

71 36.1 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 21.566 ng

RT: 7.340 min Scan# 893

Delta R.T. 0.141 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

Tgt Ion: 70 Resp: 121096

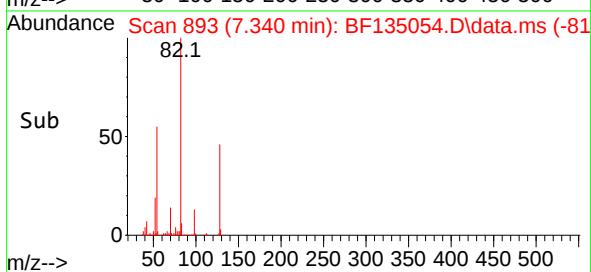
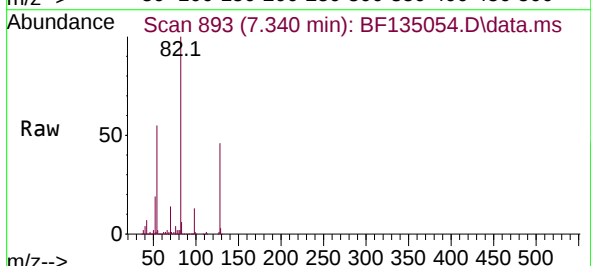
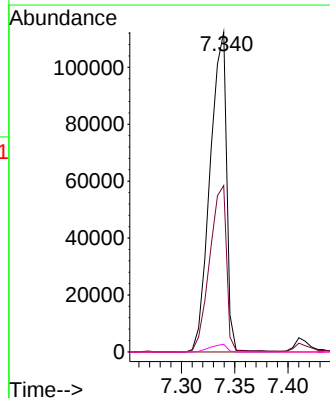
Ion Ratio Lower Upper

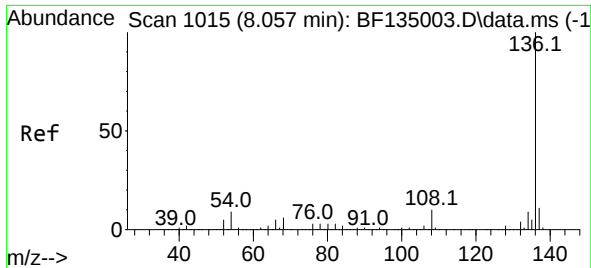
70 100

42 52.0 50.2 75.4

101 0.0 8.1 12.1#

130 2.4 19.3 28.9#

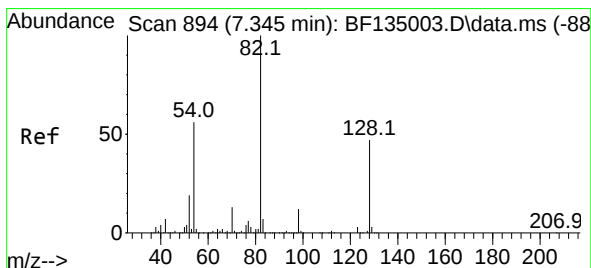
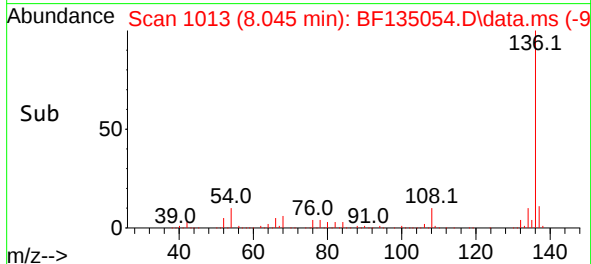
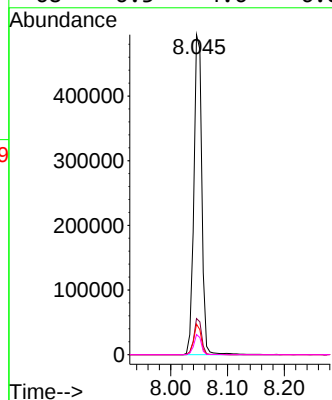
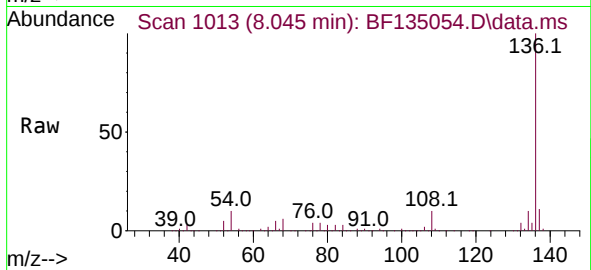




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 1015  
Delta R.T. -0.012 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

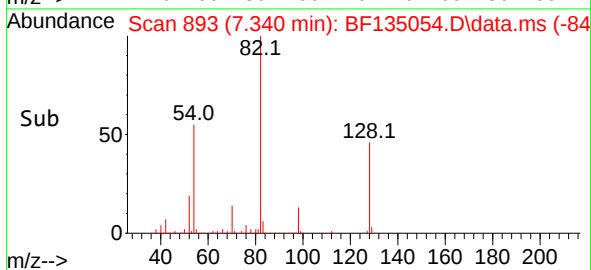
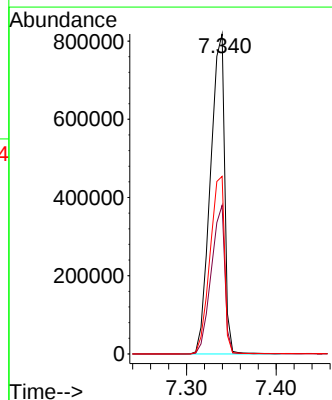
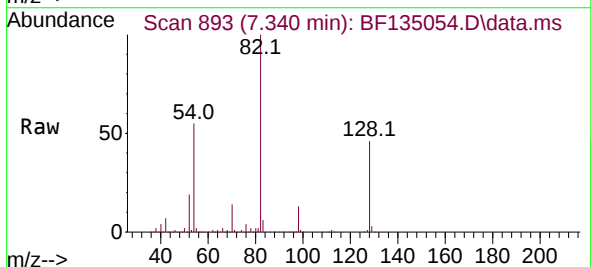
Instrument :  
BNA\_F  
ClientSampleId :  
OR-309-OK-370-COMP-20

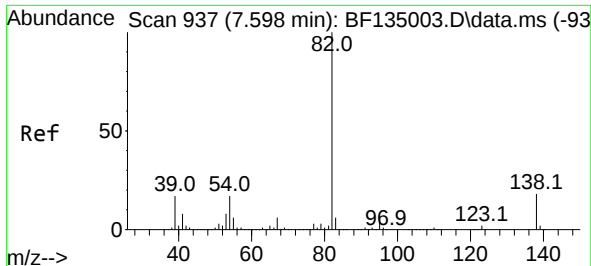
Tgt Ion:136 Resp: 476765  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 9.5 7.0 10.4  
68 6.3 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 105.794 ng  
RT: 7.340 min Scan# 893  
Delta R.T. -0.006 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

Tgt Ion: 82 Resp: 897796  
Ion Ratio Lower Upper  
82 100  
128 46.4 37.8 56.8  
54 55.5 45.0 67.6

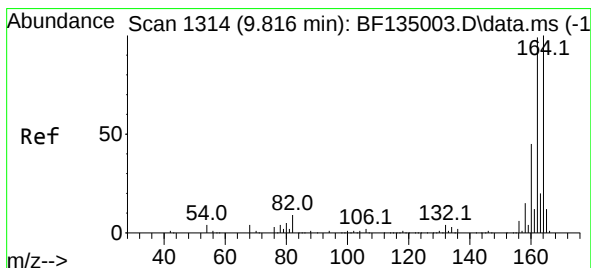
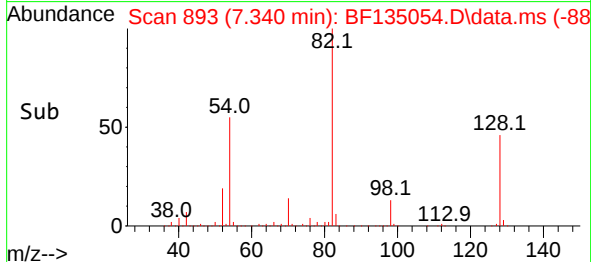
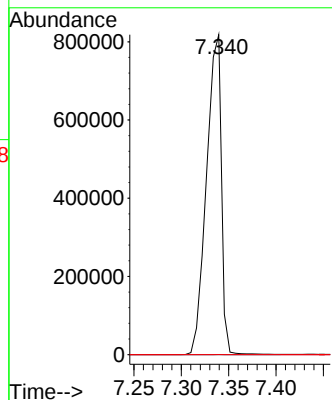
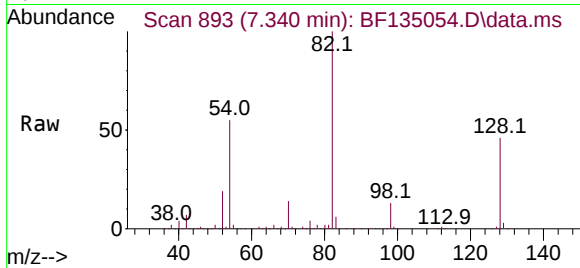




#25  
Isophorone  
Concen: 55.798 ng  
RT: 7.340 min Scan# 89  
Delta R.T. -0.259 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

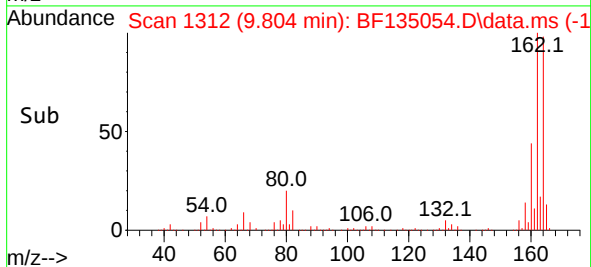
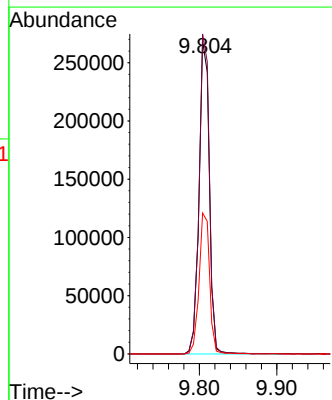
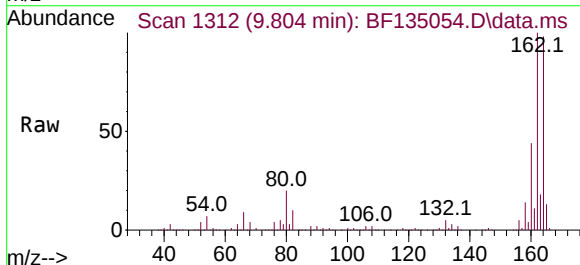
Instrument :  
BNA\_F  
ClientSampleId :  
OR-309-OK-370-COMP-20

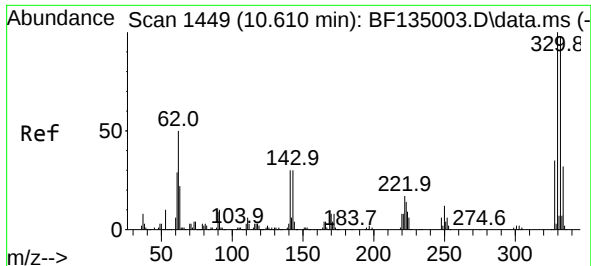
Tgt Ion: 82 Resp: 897781  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.7 22.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 1312  
Delta R.T. -0.012 min  
Lab File: BF135054.D  
Acq: 31 Aug 2023 22:02

Tgt Ion:164 Resp: 247678  
Ion Ratio Lower Upper  
164 100  
162 102.3 79.5 119.3  
160 45.0 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 143.840 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF135054.D

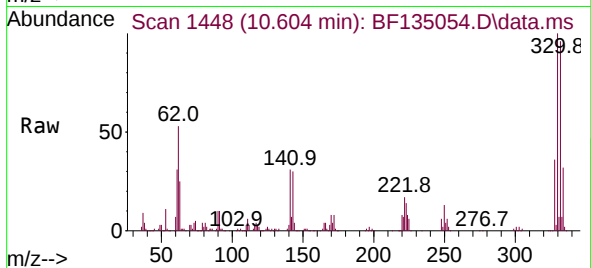
Acq: 31 Aug 2023 22:02

Instrument :

BNA\_F

ClientSampleId :

OR-309-OK-370-COMP-20



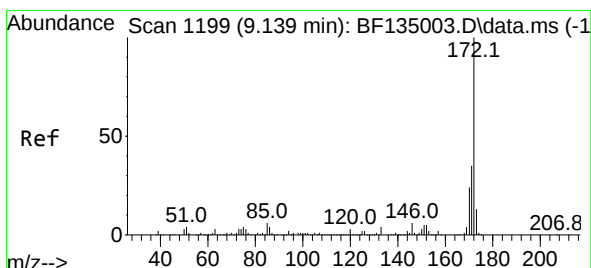
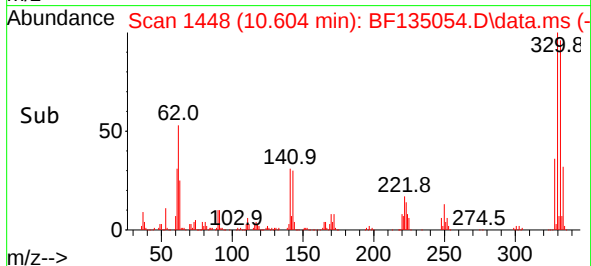
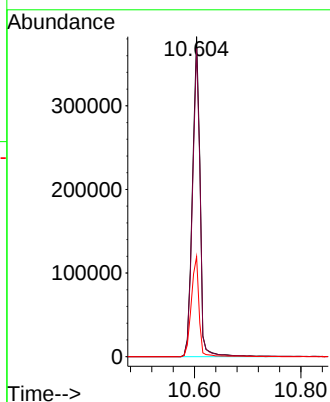
Tgt Ion:330 Resp: 377917

Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

141 31.8 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 104.214 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

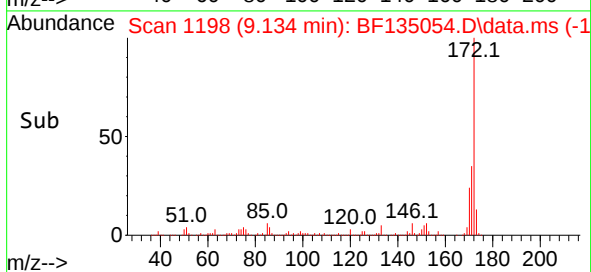
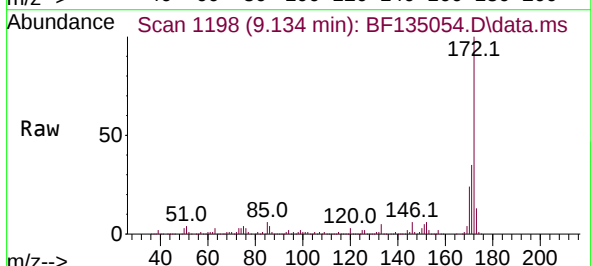
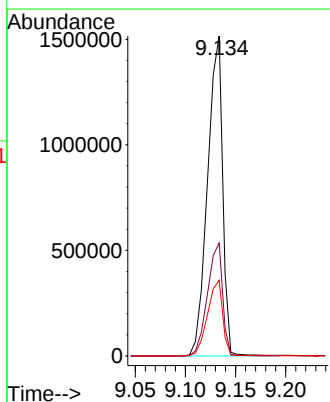
Tgt Ion:172 Resp: 1585371

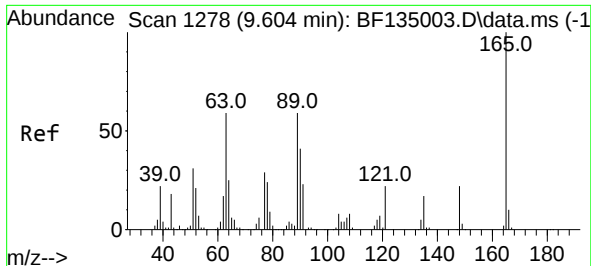
Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.2

170 23.7 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.504 ng

RT: 9.804 min Scan# 1312

Delta R.T. 0.200 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

Instrument :

BNA\_F

ClientSampleId :

OR-309-OK-370-COMP-20

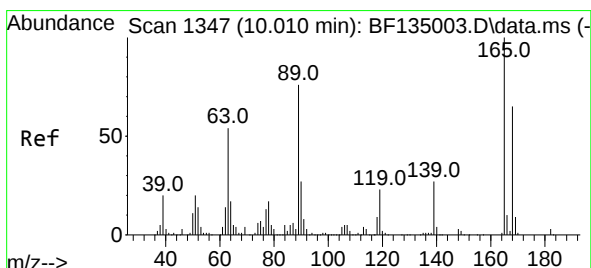
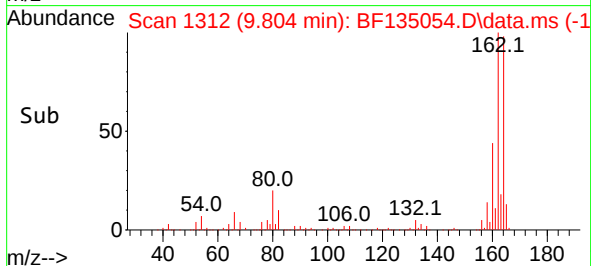
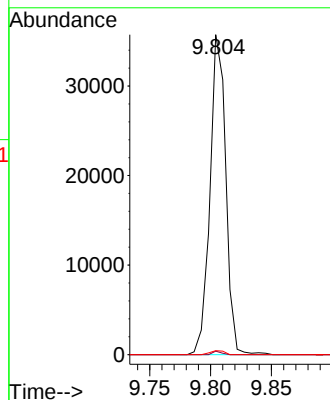
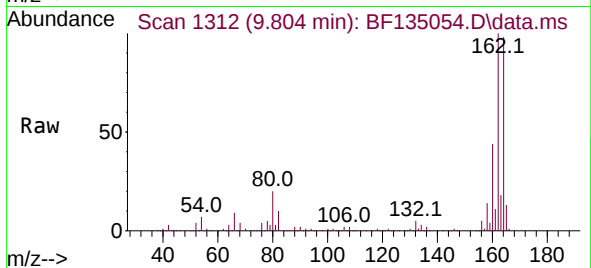
Tgt Ion:165 Resp: 32361

Ion Ratio Lower Upper

165 100

63 1.1 50.4 75.6#

89 1.2 47.1 70.7#



#57

2,4-Dinitrotoluene

Concen: 6.824 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.206 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

Tgt Ion:165 Resp: 32361

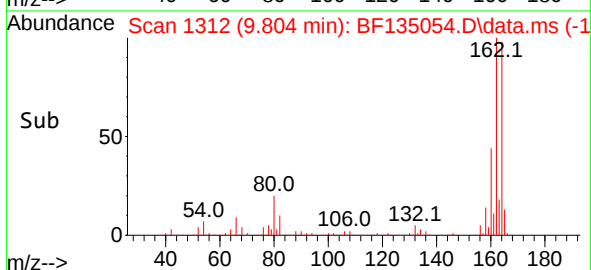
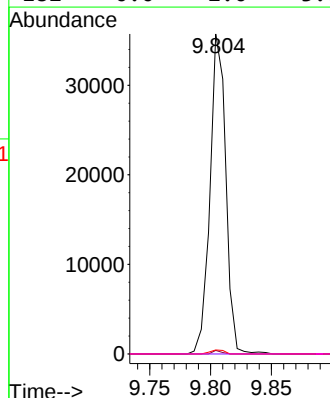
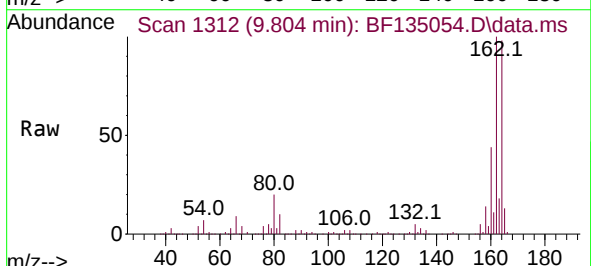
Ion Ratio Lower Upper

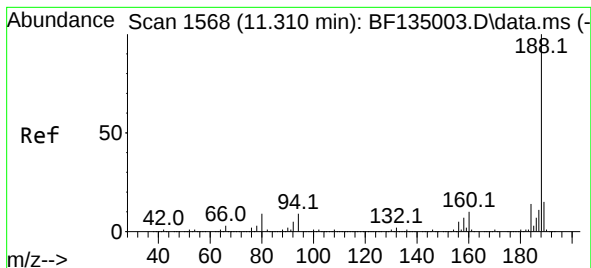
165 100

63 1.1 43.2 64.8#

89 1.2 60.8 91.2#

182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

Instrument :

BNA\_F

ClientSampleId :

OR-309-OK-370-COMP-20

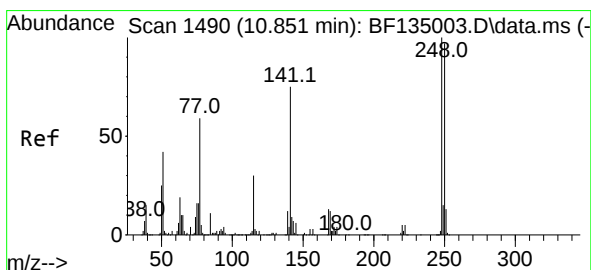
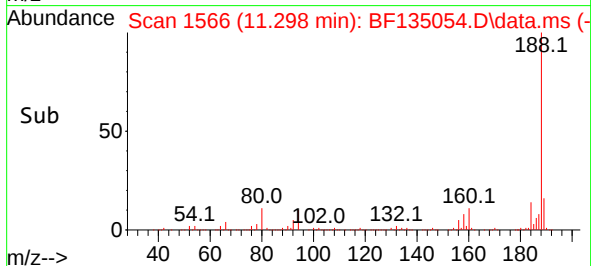
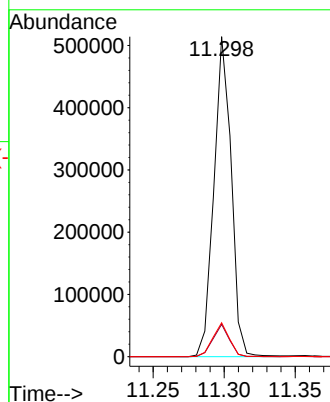
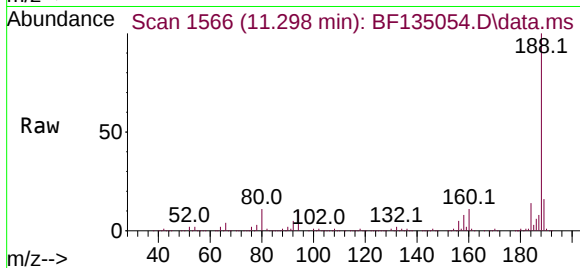
Tgt Ion:188 Resp: 436324

Ion Ratio Lower Upper

188 100

94 10.1 7.0 10.4

80 10.6 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 4.882 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.247 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

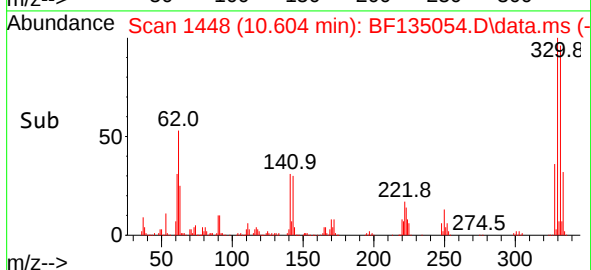
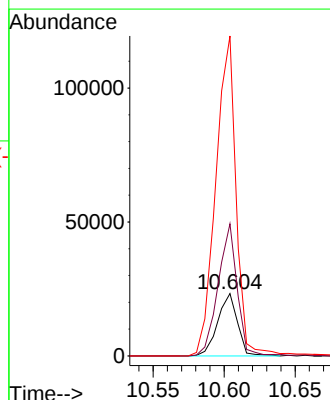
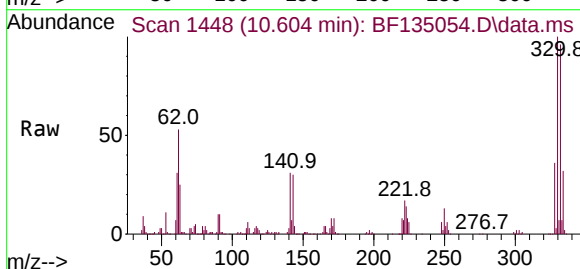
Tgt Ion:248 Resp: 22592

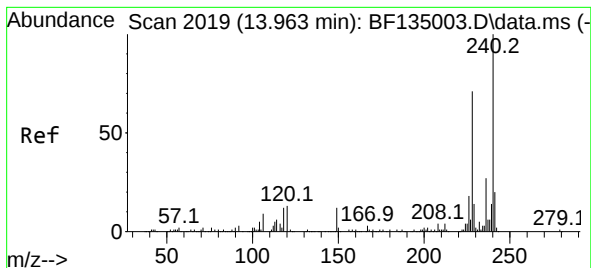
Ion Ratio Lower Upper

248 100

250 211.8 77.9 116.9#

141 513.3 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

Instrument :

BNA\_F

ClientSampleId :

OR-309-OK-370-COMP-20

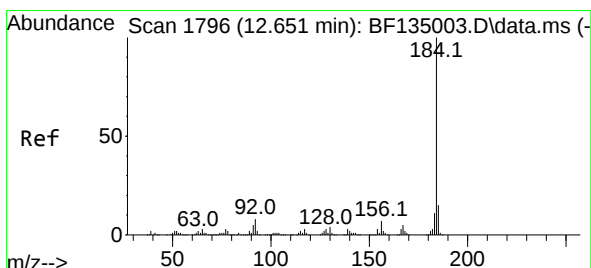
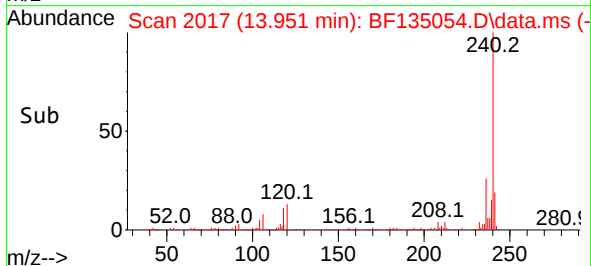
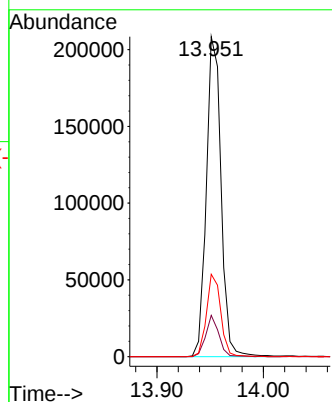
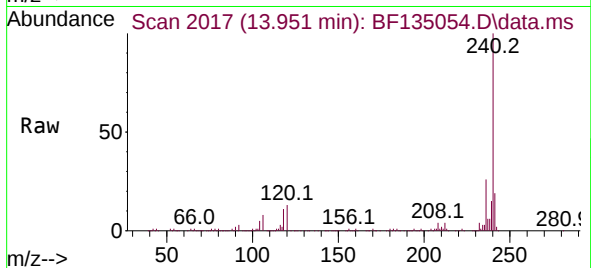
Tgt Ion:240 Resp: 199577

Ion Ratio Lower Upper

240 100

120 12.9 10.2 15.2

236 25.7 21.3 31.9



#77

Benzidine

Concen: 4.725 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF135054.D

Acq: 31 Aug 2023 22:02

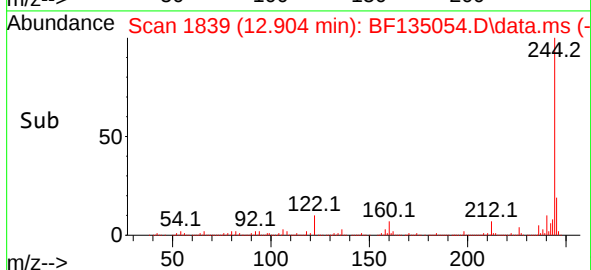
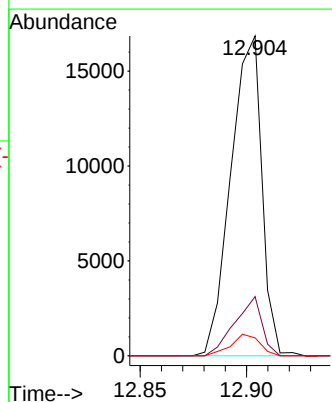
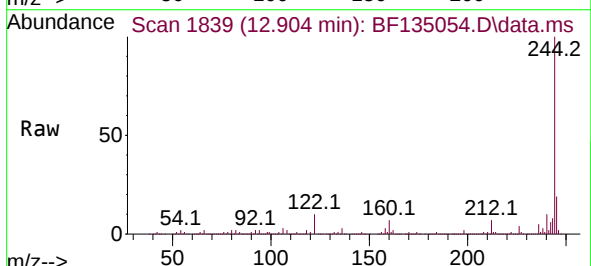
Tgt Ion:184 Resp: 17000

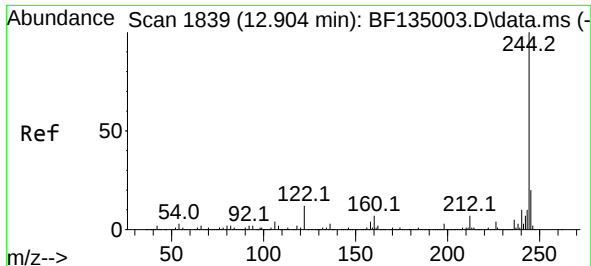
Ion Ratio Lower Upper

184 100

185 18.5 12.0 18.0#

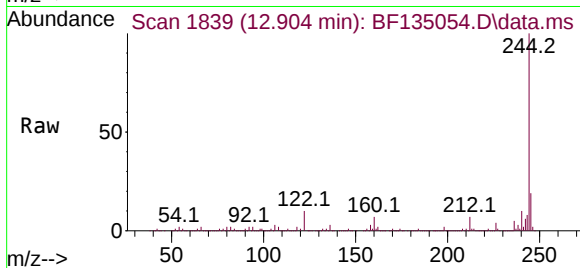
183 5.6 9.0 13.6#





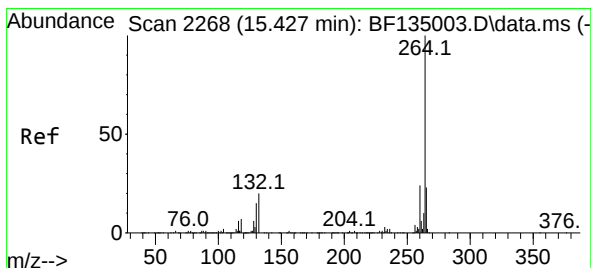
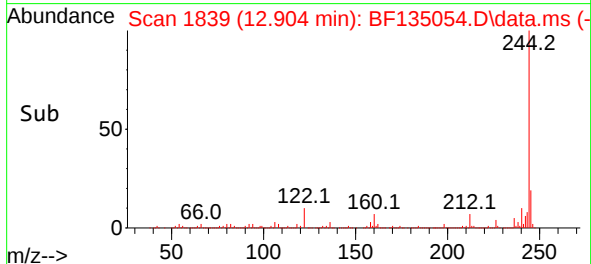
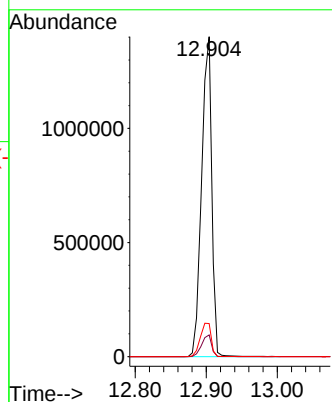
#79  
 Terphenyl-d14  
 Concen: 112.633 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. 0.000 min  
 Lab File: BF135054.D  
 Acq: 31 Aug 2023 22:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-309-OK-370-COMP-20



Tgt Ion:244 Resp: 1377472  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.8   | 5.6   | 8.4   |
| 122 | 10.3  | 9.8   | 14.6  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.421 min Scan# 2267  
 Delta R.T. -0.006 min  
 Lab File: BF135054.D  
 Acq: 31 Aug 2023 22:02

Tgt Ion:264 Resp: 221444  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.1  | 19.0  | 28.6  |
| 265 | 21.9  | 18.2  | 27.2  |

