

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010423\  
 Data File : BF131910.D  
 Acq On : 04 Jan 2023 21:22  
 Operator : CG\JU  
 Sample : 01001-02  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-C2

Quant Time: Jan 05 05:46:23 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 30 02:06:40 2022  
 Response via : Initial Calibration

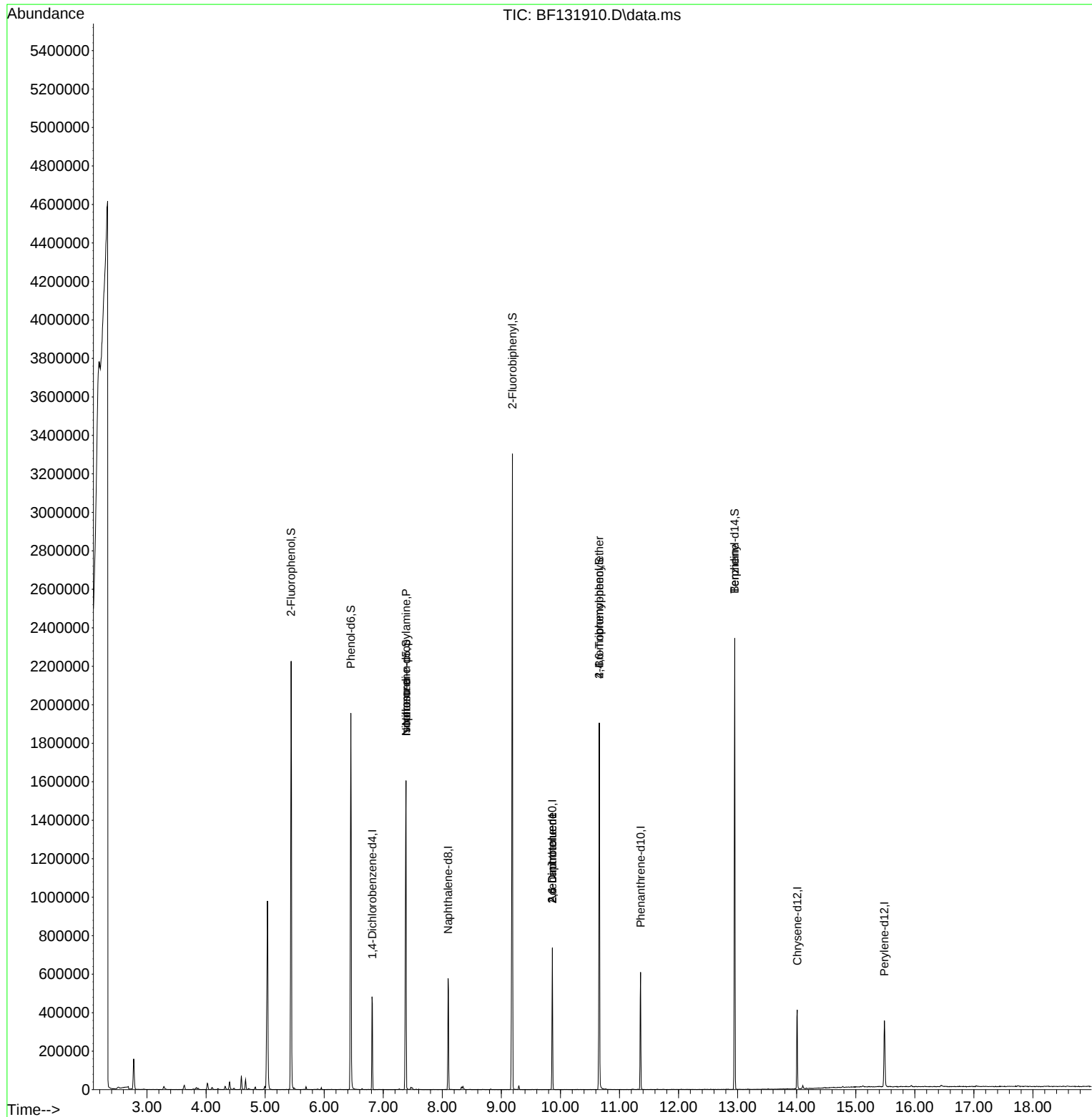
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 66934    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 239091   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.863  | 164  | 128307   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 211239   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 134835   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 159428   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 582486   | 144.218 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.451  | 99   | 688751   | 129.796 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 561574   | 93.777  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 200047   | 143.500 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 962213   | 102.720 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 741384   | 93.007  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 78980    | 21.075  | ng    | # 80     |
| 25) Isophorone                | 7.387  | 82   | 561564   | 57.422  | ng    | # 69     |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 16667    | 7.932   | ng    | # 17     |
| 57) 2,4-Dinitrotoluene        | 9.863  | 165  | 16667    | 5.800   | ng    | # 17     |
| 67) 4-Bromophenyl-phenylether | 10.657 | 248  | 14128    | 5.771   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 12037    | 5.432   | ng    | # 91     |
| -----                         |        |      |          |         |       |          |

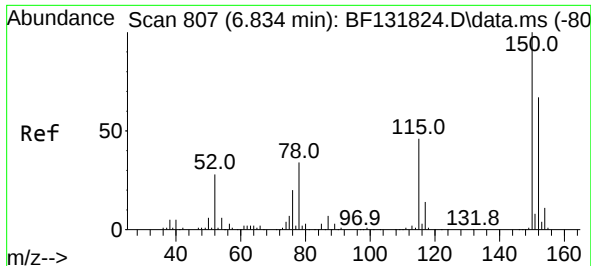
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122422.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 30 02:06:40 2022  
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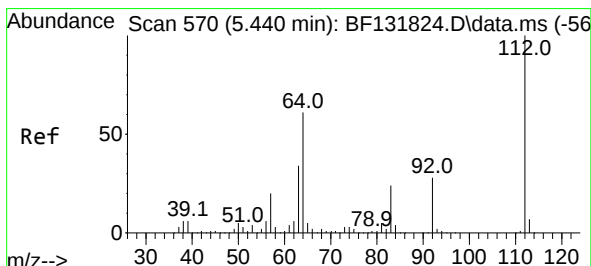
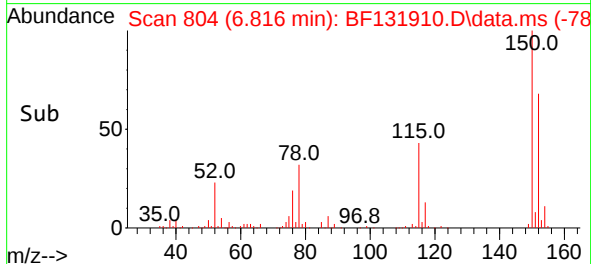
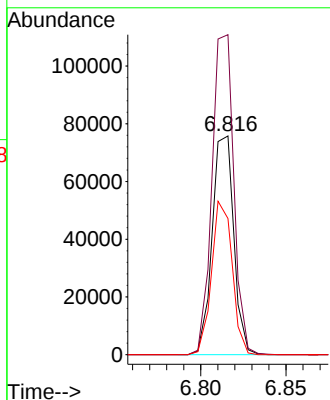
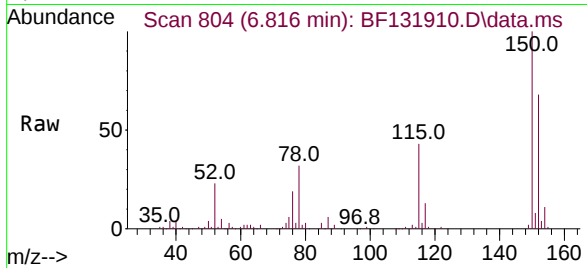




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

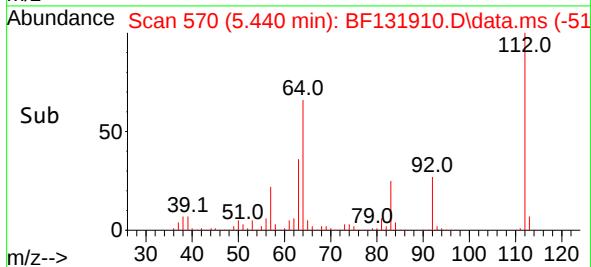
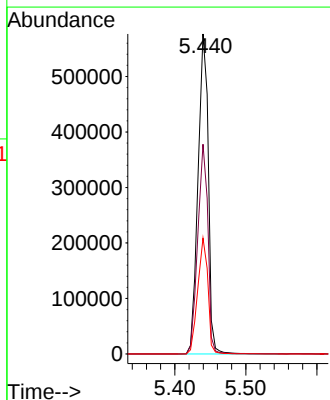
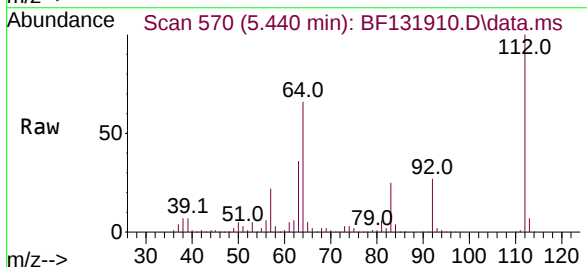
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BNA\_F  
ClientSampleId :  
TP-C2

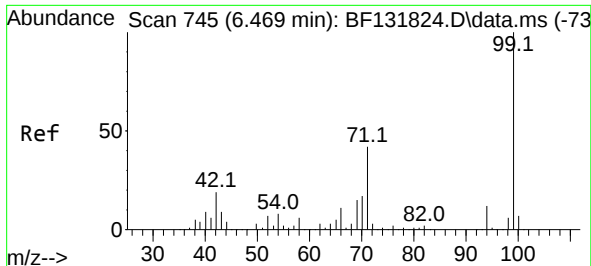
Tgt Ion:152 Resp: 66934  
Ion Ratio Lower Upper  
152 100  
150 146.3 120.0 180.0  
115 62.2 55.1 82.7



#5  
2-Fluorophenol  
Concen: 144.218 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.018 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Tgt Ion:112 Resp: 582486  
Ion Ratio Lower Upper  
112 100  
64 65.6 49.2 73.8  
63 36.2 27.5 41.3

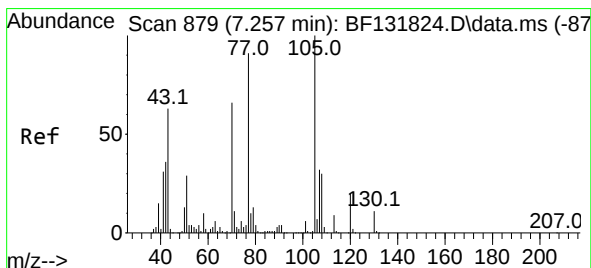
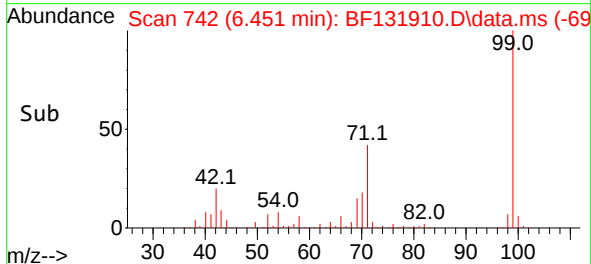
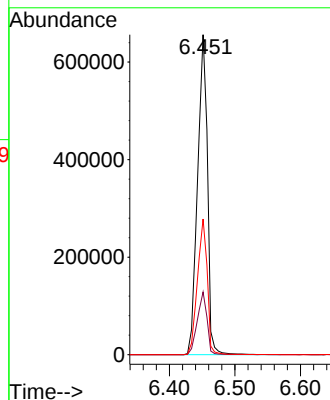
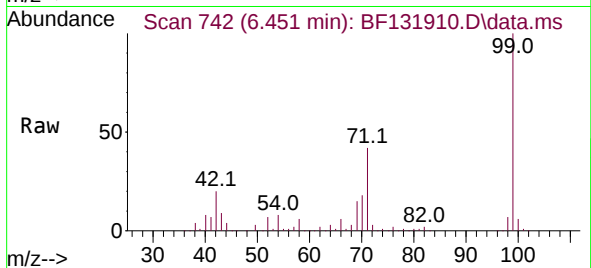




#7  
Phenol-d6  
Concen: 129.796 ng  
RT: 6.451 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

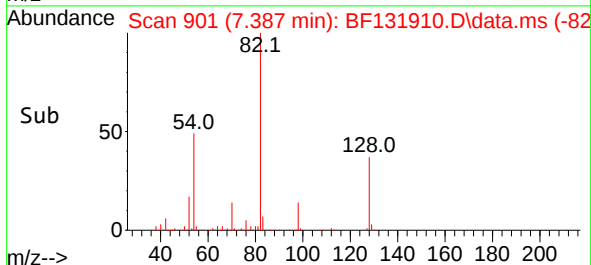
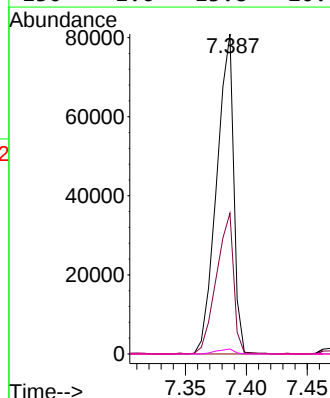
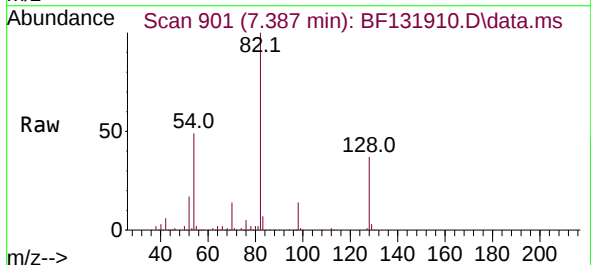
Instrument :  
BNA\_F  
ClientSampleId :  
TP-C2

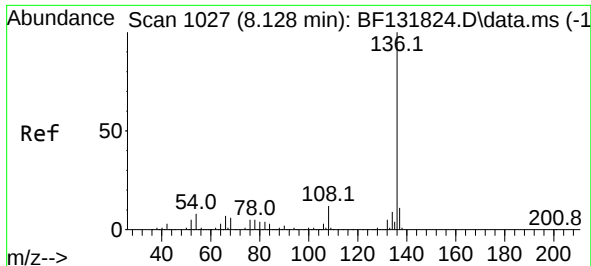
Tgt Ion: 99 Resp: 688751  
Ion Ratio Lower Upper  
99 100  
42 19.6 15.3 22.9  
71 42.4 33.5 50.3



#19  
n-Nitroso-di-n-propylamine  
Concen: 21.075 ng  
RT: 7.387 min Scan# 901  
Delta R.T. 0.147 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Tgt Ion: 70 Resp: 78980  
Ion Ratio Lower Upper  
70 100  
42 44.0 43.8 65.6  
101 0.0 7.4 11.0#  
130 1.6 13.8 20.6#



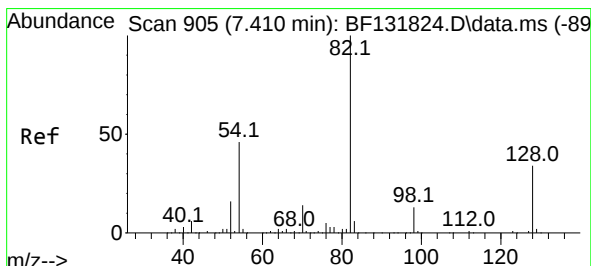
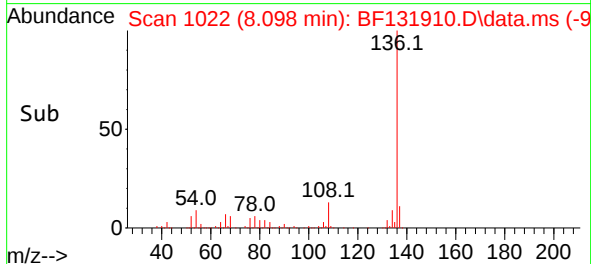
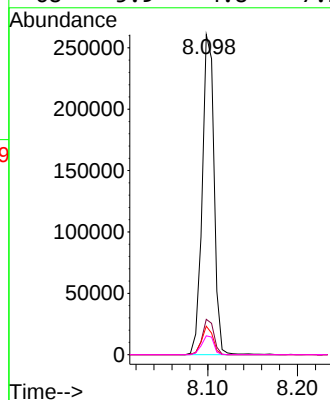
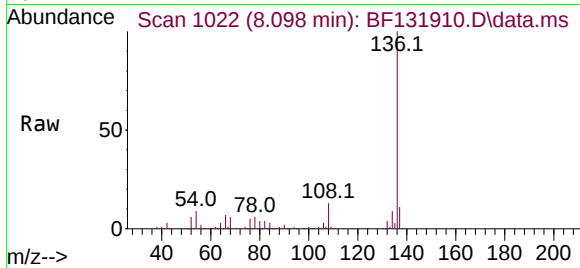


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 10  
Delta R.T. -0.012 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Instrument :  
BNA\_F  
ClientSampleId :  
TP-C2

Tgt Ion:136 Resp: 239091

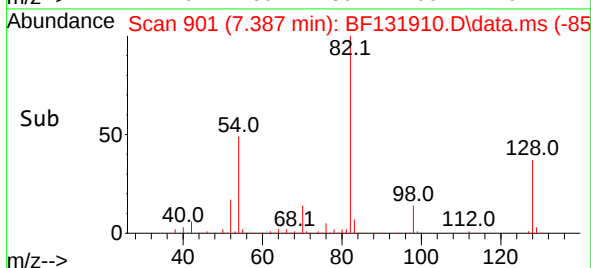
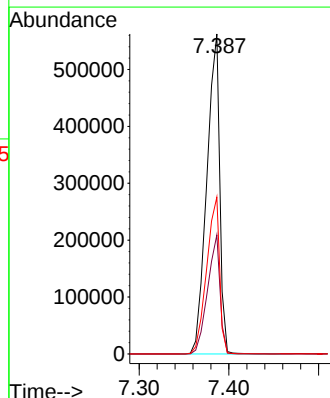
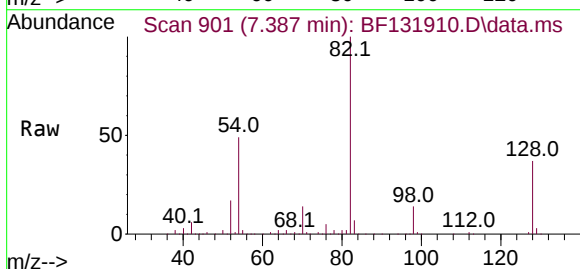
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.6   | 12.8  |
| 54  | 8.9   | 6.7   | 10.1  |
| 68  | 5.9   | 4.8   | 7.2   |

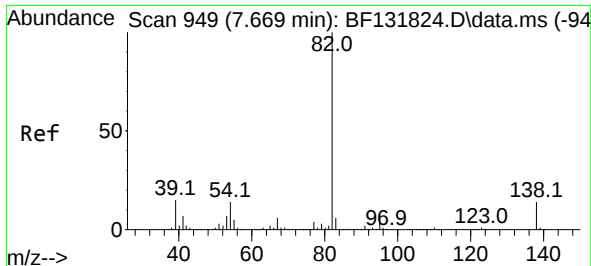


#23  
Nitrobenzene-d5  
Concen: 93.777 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Tgt Ion: 82 Resp: 561574

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.2  | 27.1  | 40.7  |
| 54  | 49.0  | 37.0  | 55.6  |

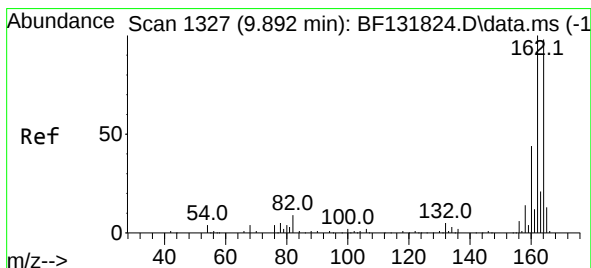
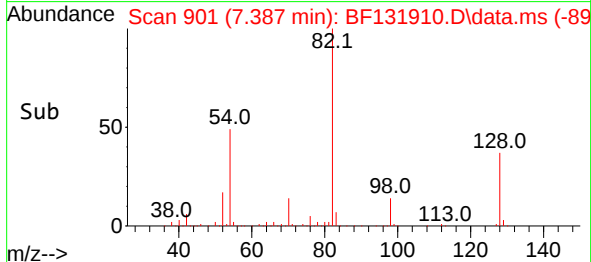
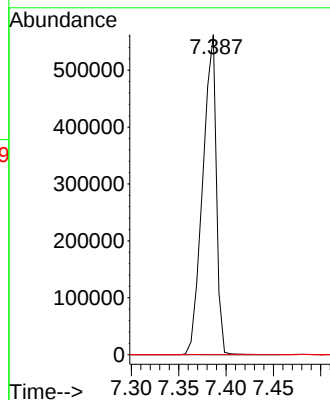
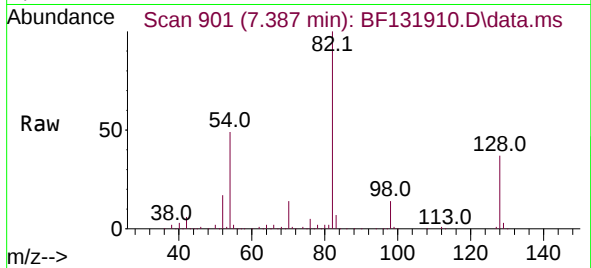




#25  
Isophorone  
Concen: 57.422 ng  
RT: 7.387 min Scan# 901  
Delta R.T. -0.265 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

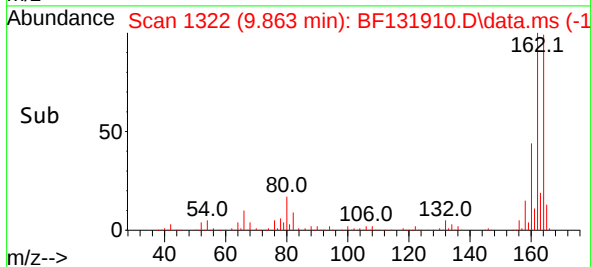
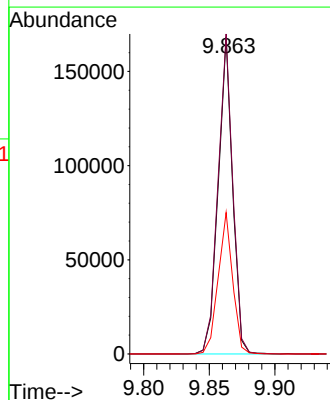
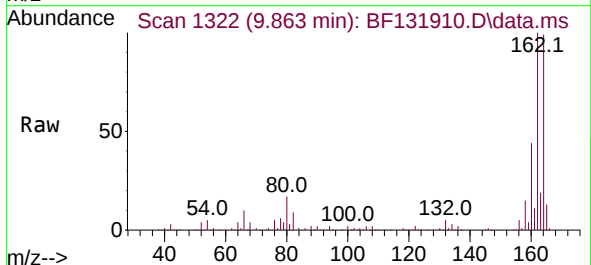
Instrument :  
BNA\_F  
ClientSampleId :  
TP-C2

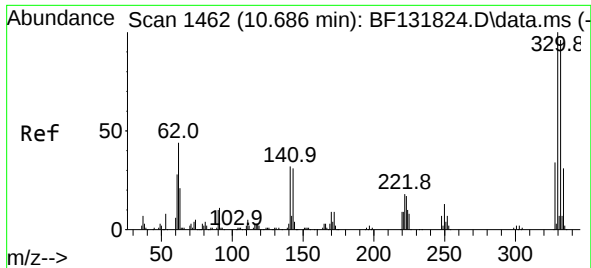
Tgt Ion: 82 Resp: 561564  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.2 9.4#  
138 0.0 11.5 17.3#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.012 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

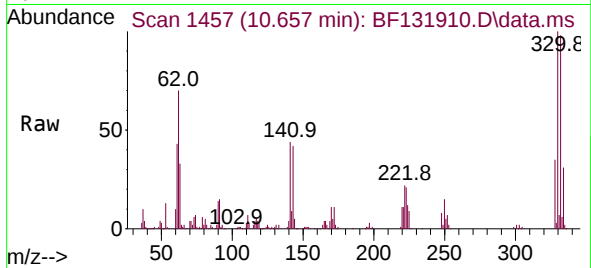
Tgt Ion:164 Resp: 128307  
Ion Ratio Lower Upper  
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162 101.0 81.8 122.6  
160 44.6 35.7 53.5



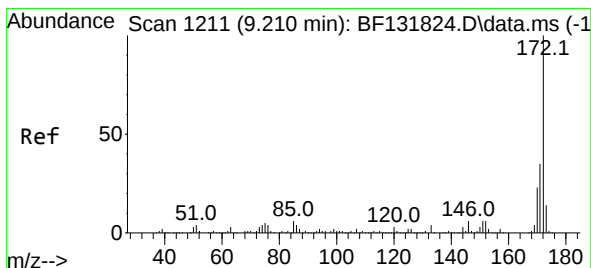
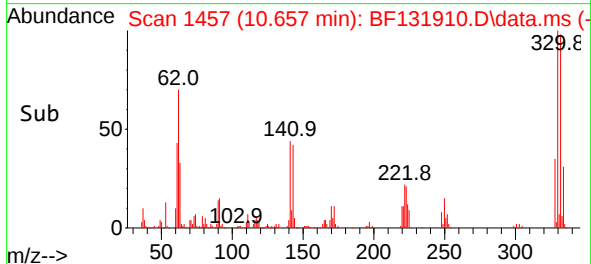
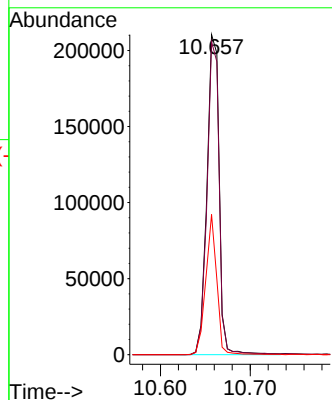


#42  
2,4,6-Tribromophenol  
Concen: 143.500 ng  
RT: 10.657 min Scan# 1462  
Delta R.T. -0.012 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Instrument :  
BNA\_F  
ClientSampleId :  
TP-C2

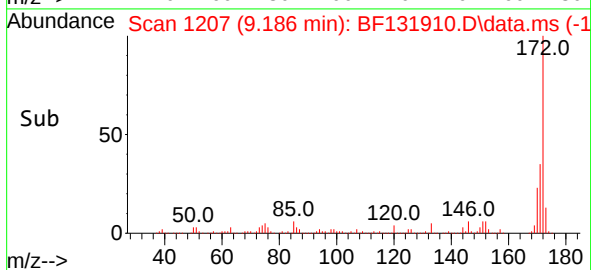
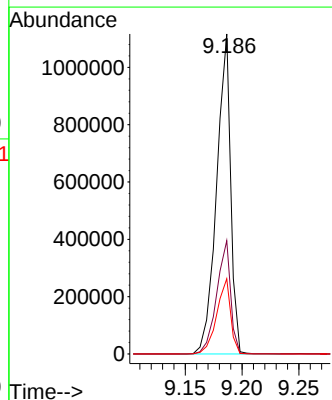
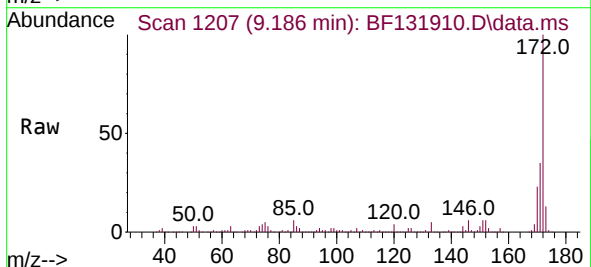


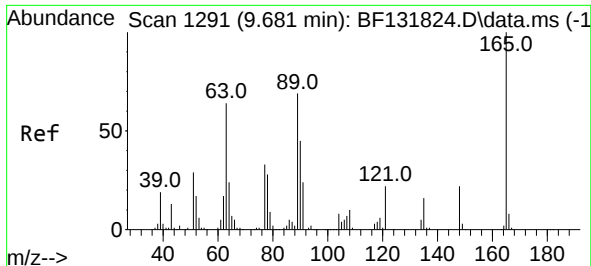
Tgt Ion:330 Resp: 200047  
Ion Ratio Lower Upper  
330 100  
332 96.7 77.0 115.4  
141 39.3 31.0 46.4



#45  
2-Fluorobiphenyl  
Concen: 102.720 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.006 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Tgt Ion:172 Resp: 962213  
Ion Ratio Lower Upper  
172 100  
171 35.4 27.9 41.9  
170 23.5 18.7 28.1

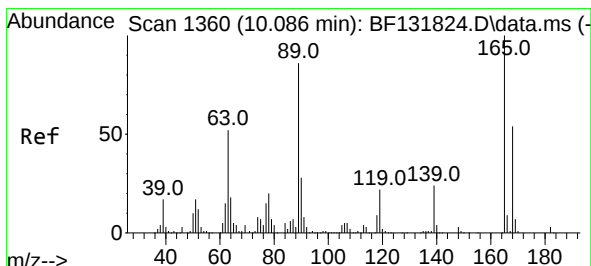
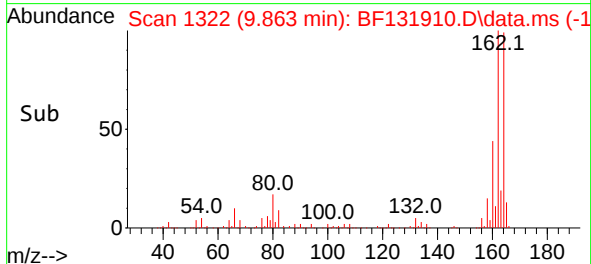
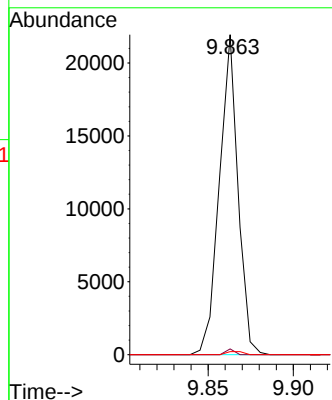
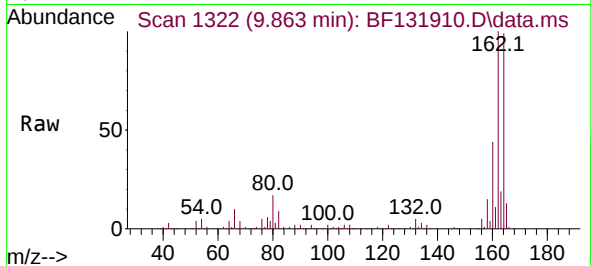




#51  
2,6-Dinitrotoluene  
Concen: 7.932 ng  
RT: 9.863 min Scan# 11  
Delta R.T. 0.200 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

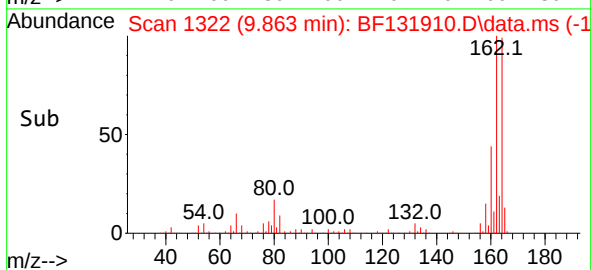
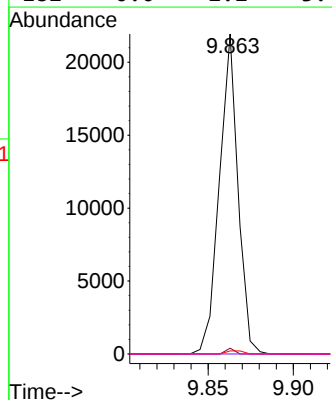
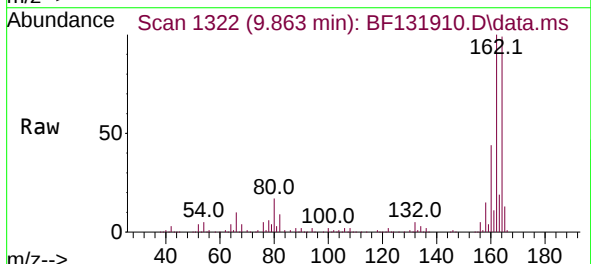
Instrument :  
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ClientSampleId :  
TP-C2

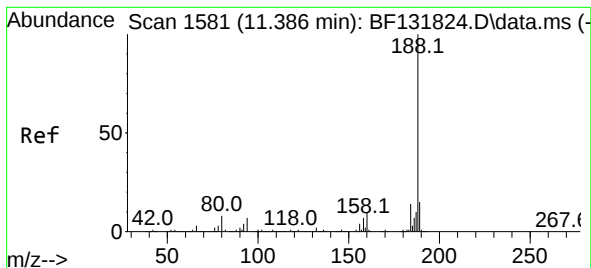
Tgt Ion:165 Resp: 16667  
Ion Ratio Lower Upper  
165 100  
63 1.8 55.1 82.7#  
89 1.0 55.0 82.4#



#57  
2,4-Dinitrotoluene  
Concen: 5.800 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. -0.206 min  
Lab File: BF131910.D  
Acq: 04 Jan 2023 21:22

Tgt Ion:165 Resp: 16667  
Ion Ratio Lower Upper  
165 100  
63 1.8 42.1 63.1#  
89 1.0 69.1 103.7#  
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131910.D

Acq: 04 Jan 2023 21:22

Instrument :

BNA\_F

ClientSampleId :

TP-C2

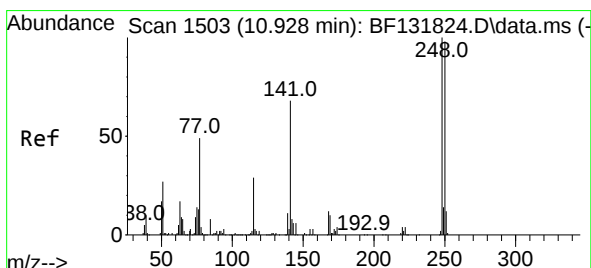
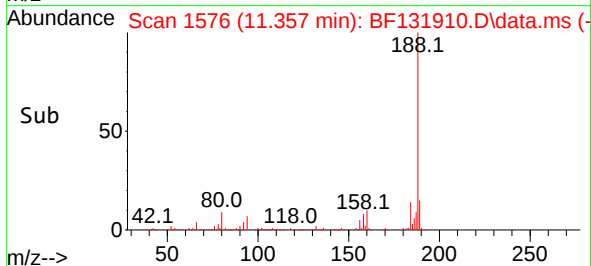
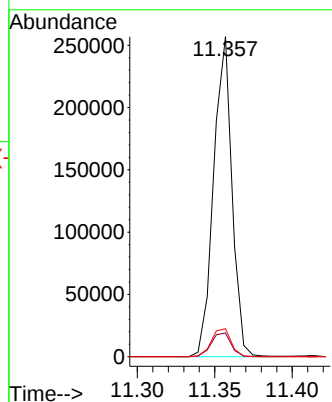
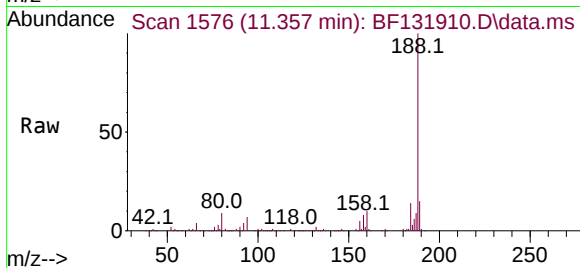
Tgt Ion:188 Resp: 211239

Ion Ratio Lower Upper

188 100

94 7.4 5.8 8.6

80 8.8 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 5.771 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF131910.D

Acq: 04 Jan 2023 21:22

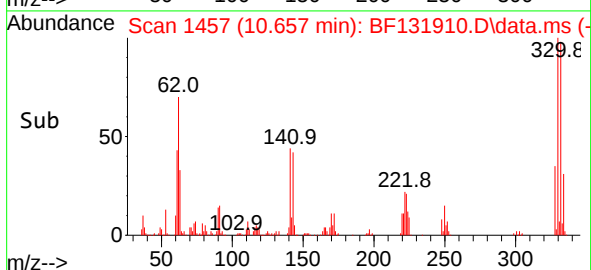
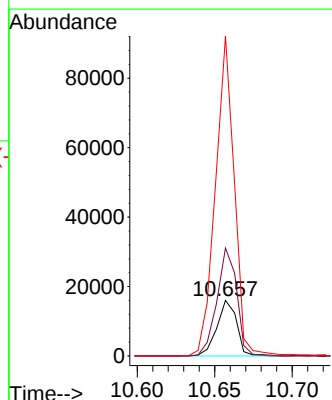
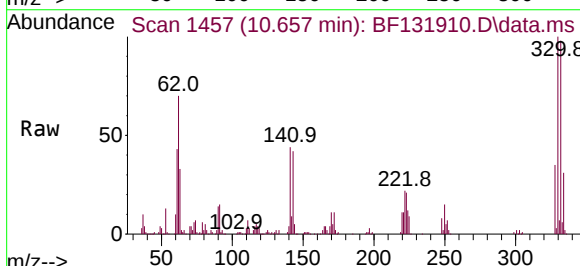
Tgt Ion:248 Resp: 14128

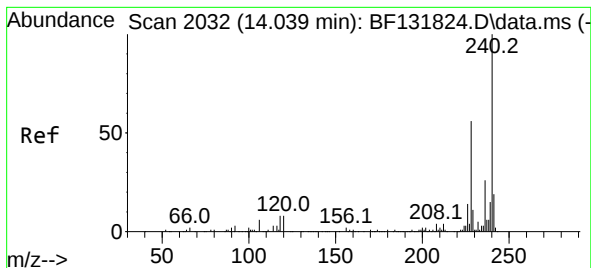
Ion Ratio Lower Upper

248 100

250 194.7 78.0 117.0#

141 576.7 54.8 82.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131910.D

Acq: 04 Jan 2023 21:22

Instrument :

BNA\_F

ClientSampleId :

TP-C2

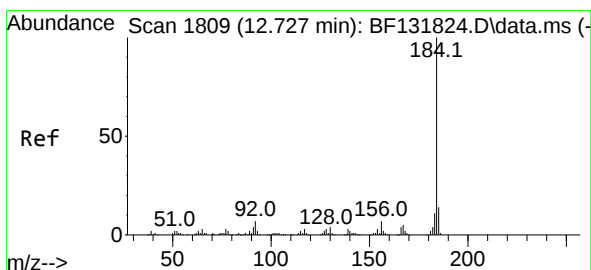
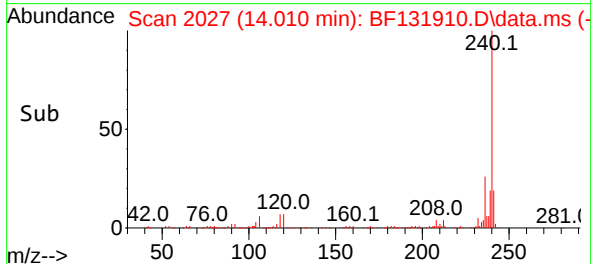
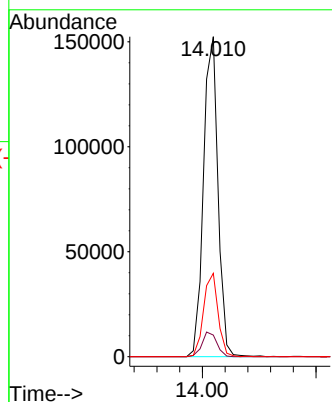
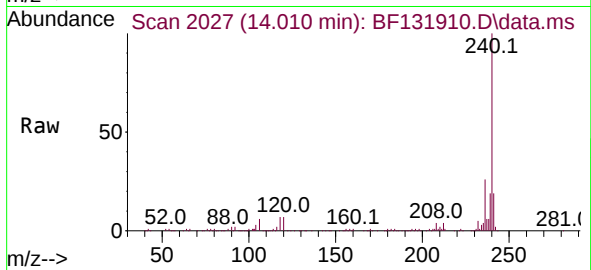
Tgt Ion:240 Resp: 134835

Ion Ratio Lower Upper

240 100

120 6.8 6.7 10.1

236 26.1 20.6 31.0



#77

Benzidine

Concen: 5.432 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.241 min

Lab File: BF131910.D

Acq: 04 Jan 2023 21:22

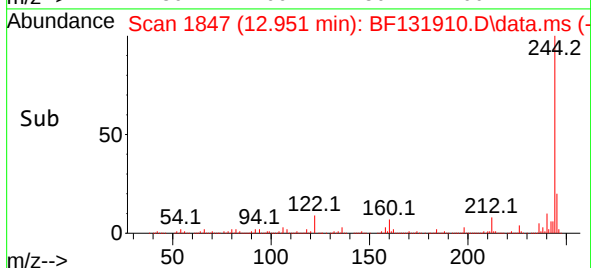
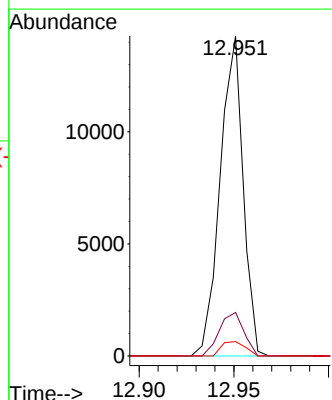
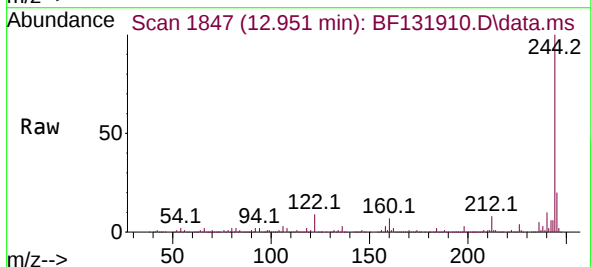
Tgt Ion:184 Resp: 12037

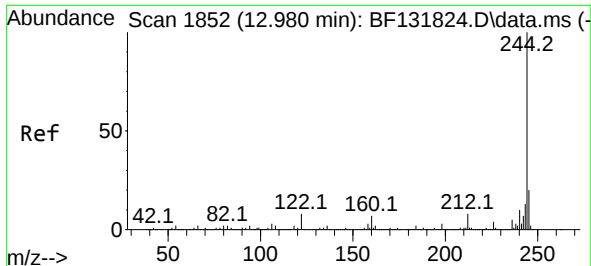
Ion Ratio Lower Upper

184 100

185 13.6 11.6 17.4

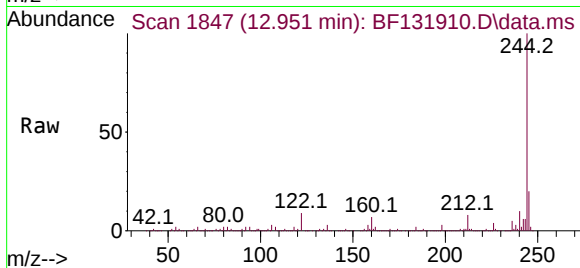
183 4.5 9.0 13.4#



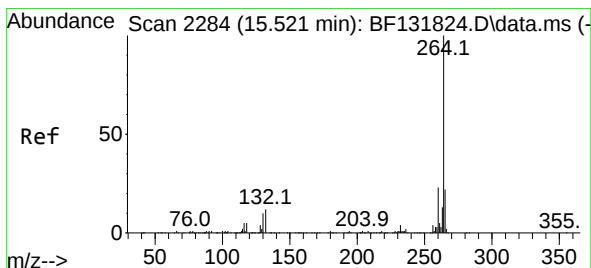
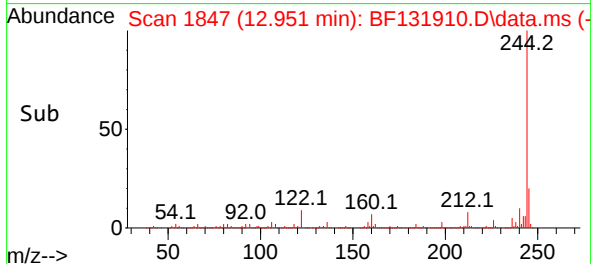
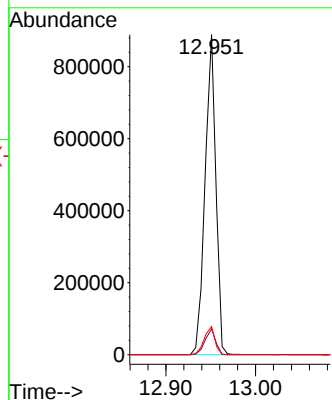


#79  
 Terphenyl-d14  
 Concen: 93.007 ng  
 RT: 12.951 min Scan# 1847  
 Delta R.T. -0.006 min  
 Lab File: BF131910.D  
 Acq: 04 Jan 2023 21:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-C2



Tgt Ion:244 Resp: 741384  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.3 9.5  
 122 8.8 6.4 9.6



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.486 min Scan# 2278  
 Delta R.T. -0.006 min  
 Lab File: BF131910.D  
 Acq: 04 Jan 2023 21:22

Tgt Ion:264 Resp: 159428  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 18.6 28.0  
 265 21.5 17.4 26.0

