

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110223\  
 Data File : BF136109.D  
 Acq On : 02 Nov 2023 22:07  
 Operator : CG\JU  
 Sample : 05049-07  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2

Quant Time: Nov 02 23:07:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

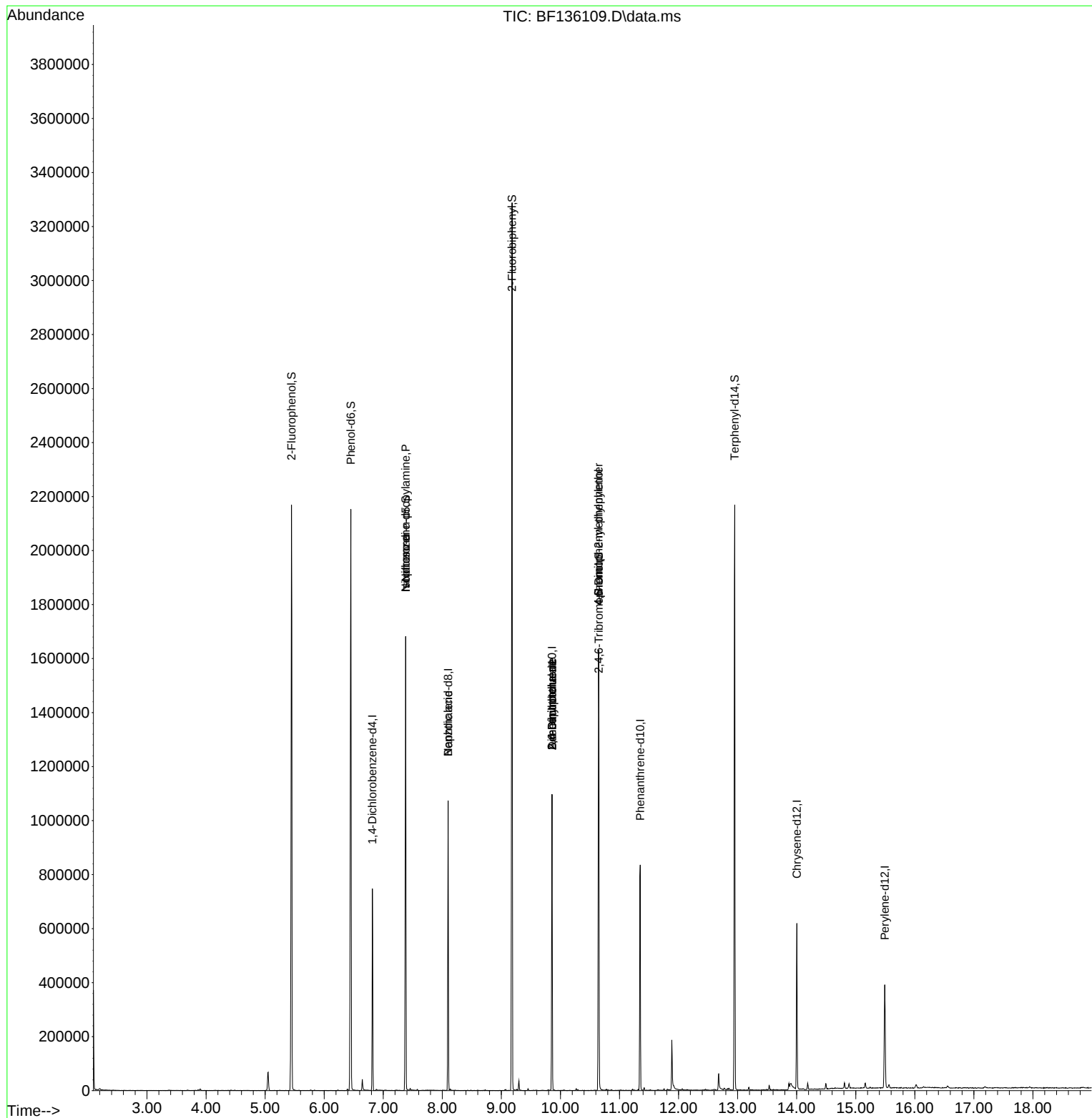
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 98683    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.098  | 136  | 397396   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 198405   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 315176   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 192220   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.492 | 264  | 168769   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 630209   | 100.353 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 773826   | 98.899  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 481167   | 72.990  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 197106   | 93.074  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 909024   | 73.036  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 756406   | 61.153  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 64197    | 14.360  | ng    | # 77     |
| 25) Isophorone                | 7.381  | 82   | 481162   | 38.662  | ng    | # 64     |
| 32) Benzoic acid              | 8.098  | 122  | 63       | 5.127   | ng    | # 1      |
| 50) Dimethylphthalate         | 9.857  | 163  | 40523    | 3.096   | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 25144    | 8.983   | ng    | # 28     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 25144    | 7.100   | ng    | # 25     |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 406      | 5.997   | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 12791    | 3.871   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

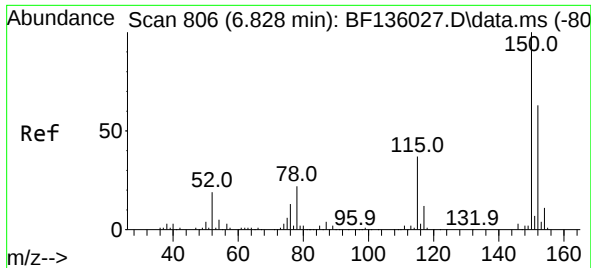
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Oct 31 01:13:02 2023  
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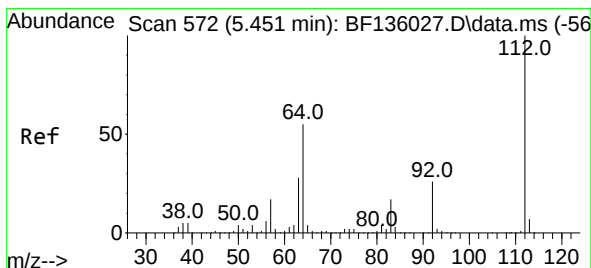
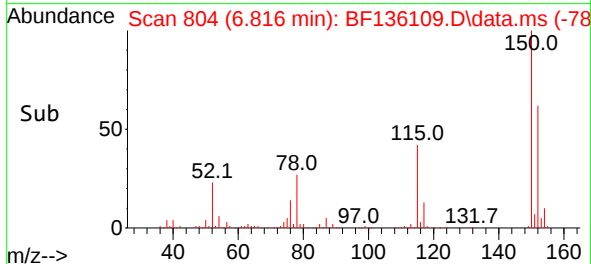
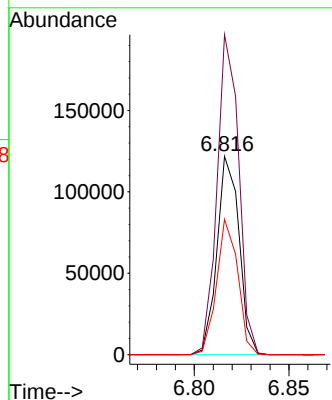
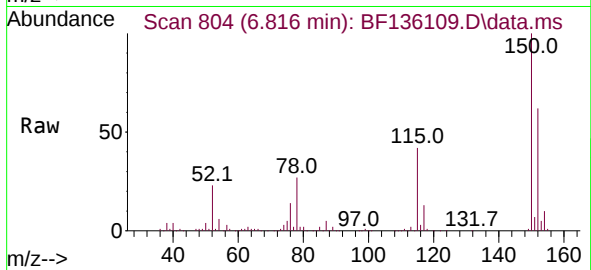




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 806  
Delta R.T. -0.012 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

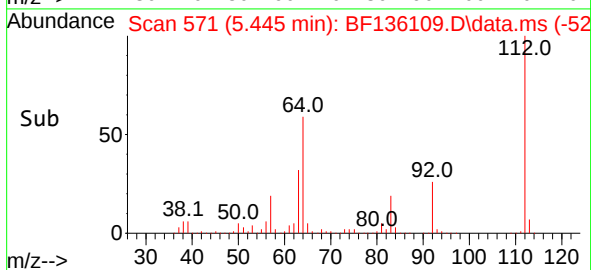
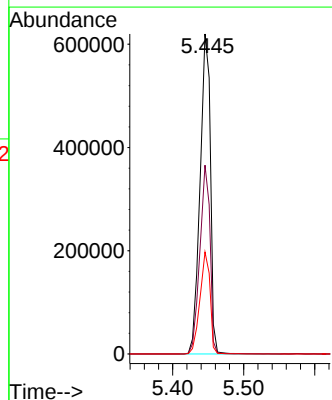
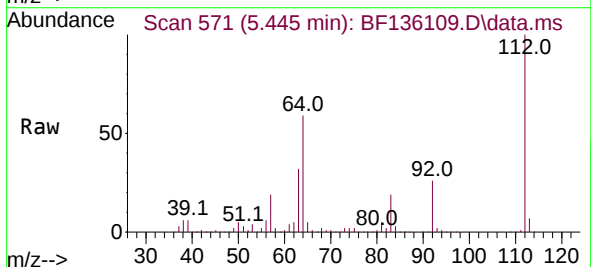
Instrument :  
BNA\_F  
ClientSampleId :  
B2

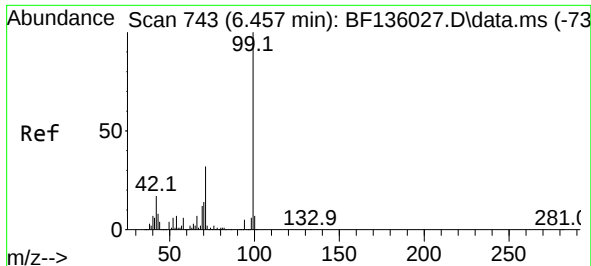
Tgt Ion:152 Resp: 98683  
Ion Ratio Lower Upper  
152 100  
150 161.3 126.4 189.6  
115 68.3 47.0 70.4



#5  
2-Fluorophenol  
Concen: 100.353 ng  
RT: 5.445 min Scan# 571  
Delta R.T. -0.006 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

Tgt Ion:112 Resp: 630209  
Ion Ratio Lower Upper  
112 100  
64 59.0 43.9 65.9  
63 31.8 22.4 33.6

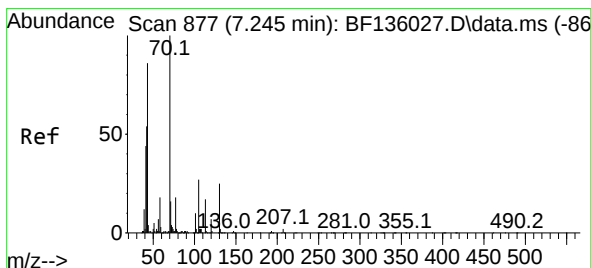
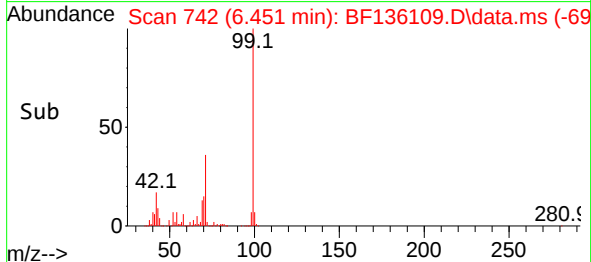
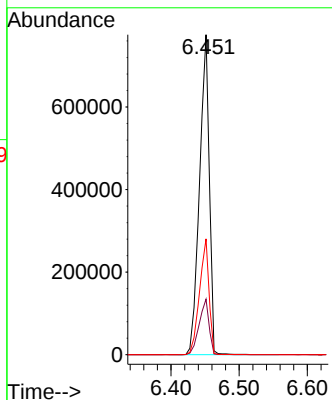
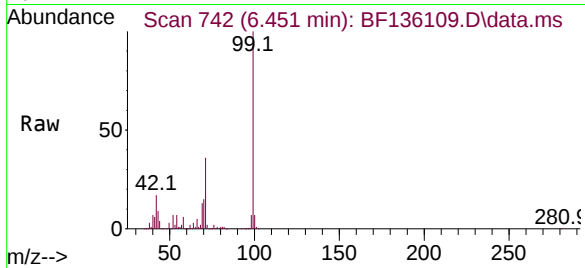




#7  
Phenol-d6  
Concen: 98.899 ng  
RT: 6.451 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

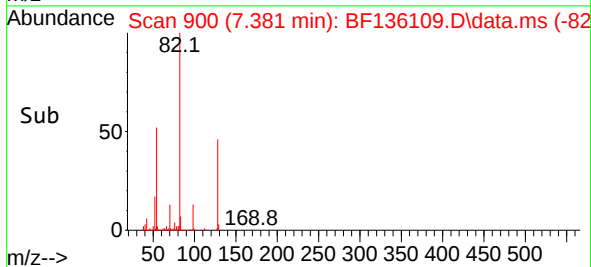
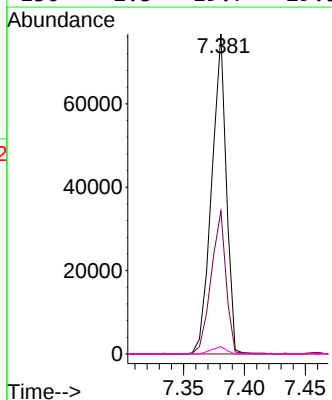
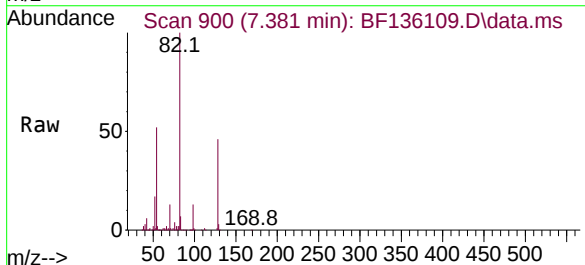
Instrument :  
BNA\_F  
ClientSampleId :  
B2

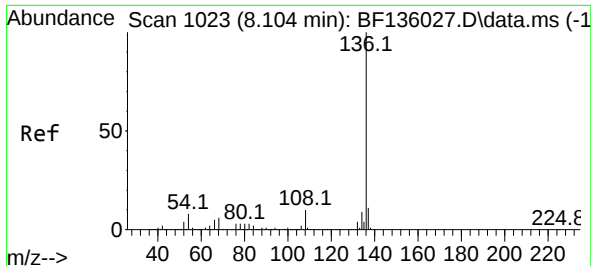
Tgt Ion: 99 Resp: 773826  
Ion Ratio Lower Upper  
99 100  
42 17.4 13.7 20.5  
71 36.2 25.9 38.9



#19  
n-Nitroso-di-n-propylamine  
Concen: 14.360 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.135 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

Tgt Ion: 70 Resp: 64197  
Ion Ratio Lower Upper  
70 100  
42 44.7 43.0 64.4  
101 0.0 8.0 12.0#  
130 2.3 19.7 29.5#

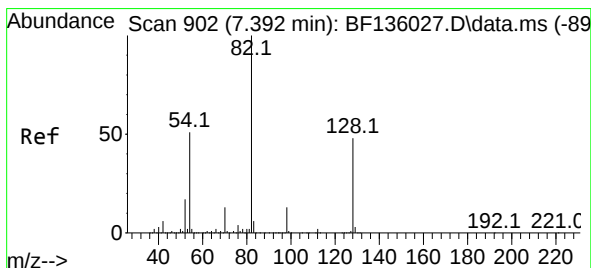
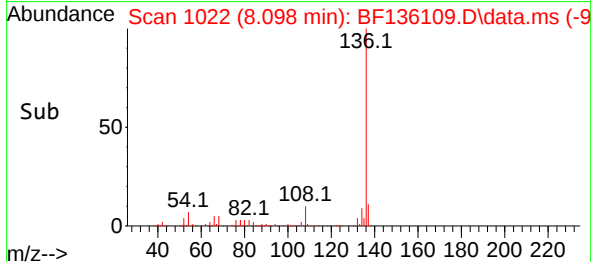
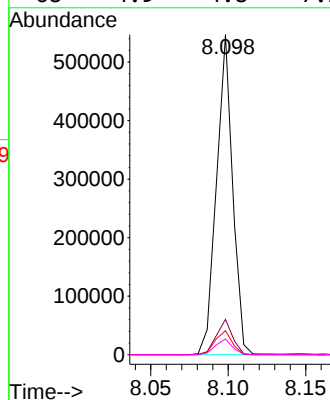
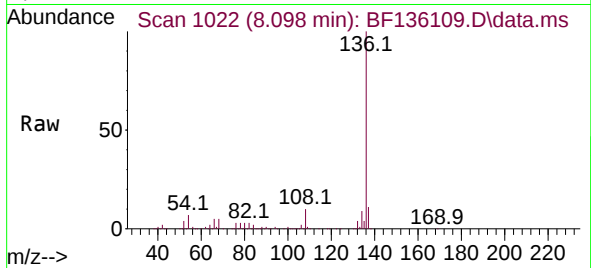




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

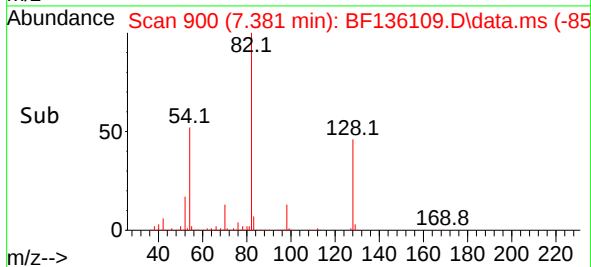
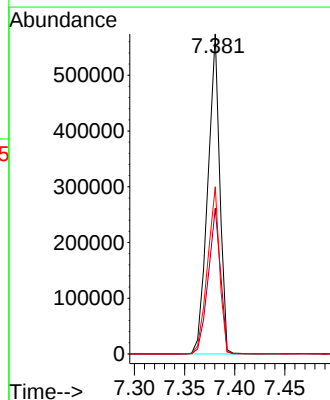
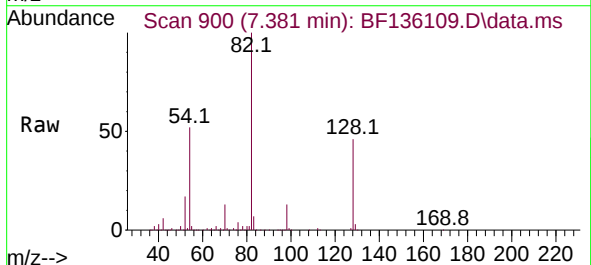
Instrument :  
BNA\_F  
ClientSampleId :  
B2

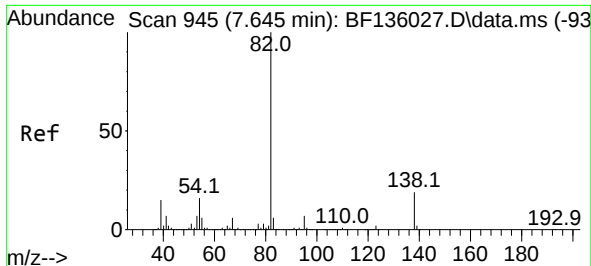
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 397396 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 11.0    | 8.6   | 13.0   |
| 54  | 7.5     | 6.6   | 9.8    |
| 68  | 4.9     | 4.8   | 7.2    |



#23  
Nitrobenzene-d5  
Concen: 72.990 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 481167 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 45.6    | 38.6 57.8    |
| 54 52.3     | 40.8 61.2    |

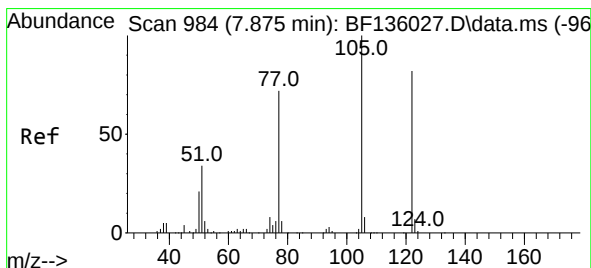
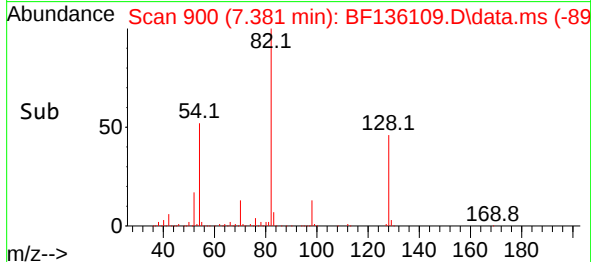
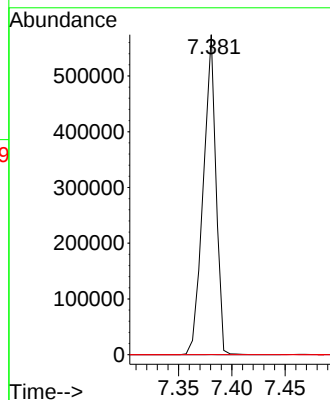
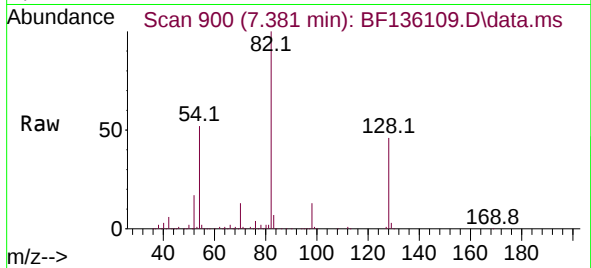




#25  
Isophorone  
Concen: 38.662 ng  
RT: 7.381 min Scan# 90  
Delta R.T. -0.265 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

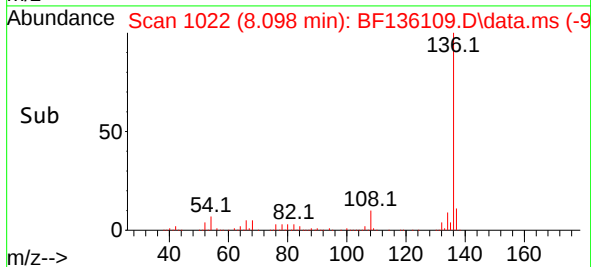
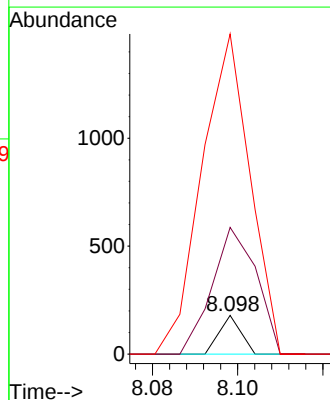
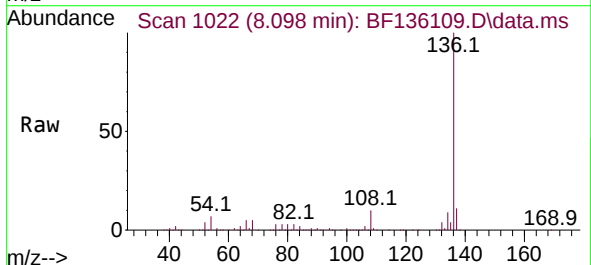
Instrument :  
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ClientSampleId :  
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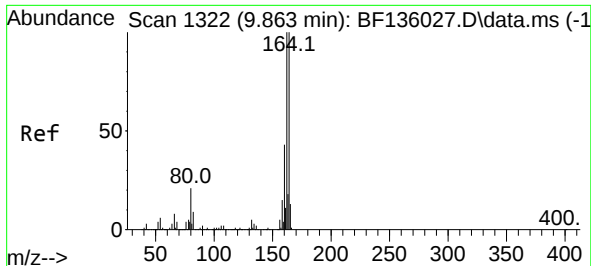
Tgt Ion: 82 Resp: 481162  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.9 8.9#  
138 0.0 15.3 22.9#



#32  
Benzoic acid  
Concen: 5.127 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.223 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

Tgt Ion:122 Resp: 63  
Ion Ratio Lower Upper  
122 100  
105 327.9 99.5 139.5#  
77 828.5 66.8 106.8#

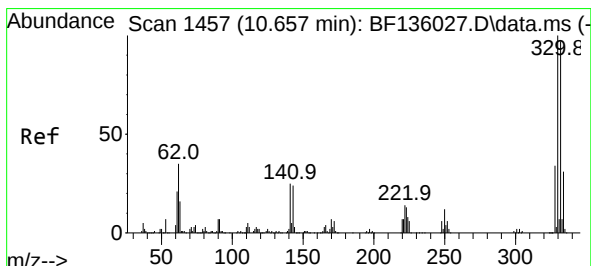
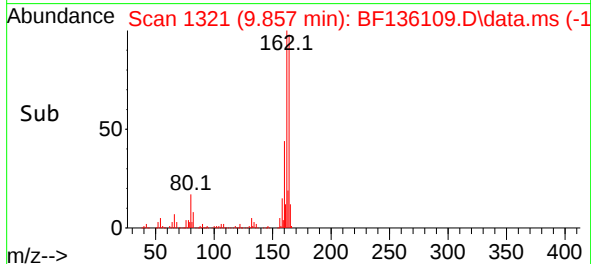
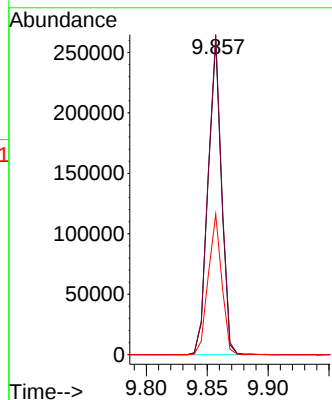
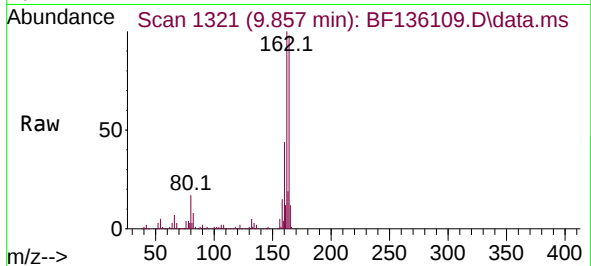




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

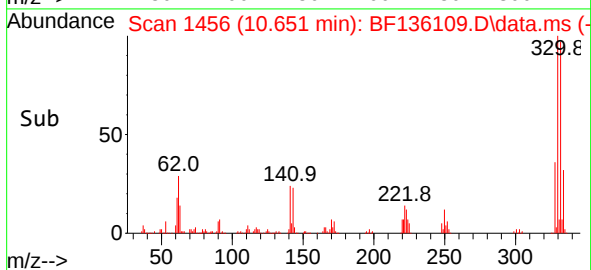
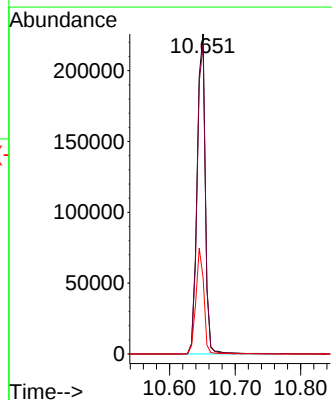
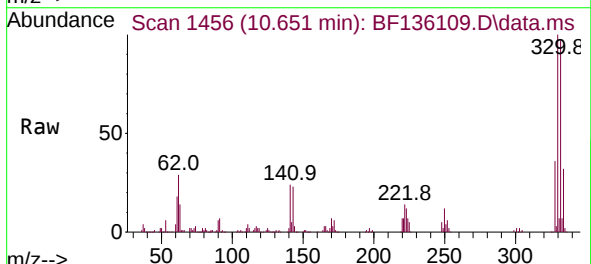
Instrument :  
BNA\_F  
ClientSampleId :  
B2

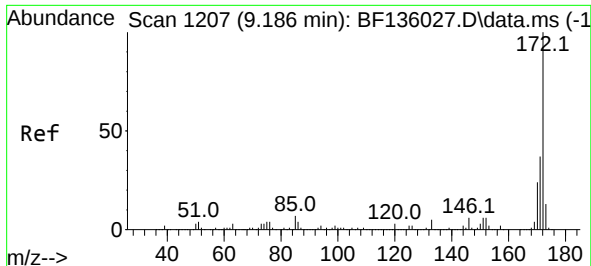
Tgt Ion:164 Resp: 198405  
Ion Ratio Lower Upper  
164 100  
162 101.8 80.1 120.1  
160 44.6 34.8 52.2



#42  
2,4,6-Tribromophenol  
Concen: 93.074 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.006 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

Tgt Ion:330 Resp: 197106  
Ion Ratio Lower Upper  
330 100  
332 96.6 76.9 115.3  
141 31.8 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 73.036 ng

RT: 9.180 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

Instrument :

BNA\_F

ClientSampleId :

B2

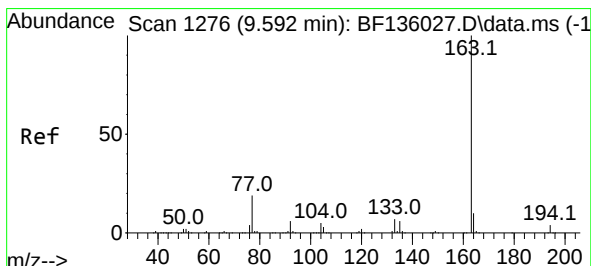
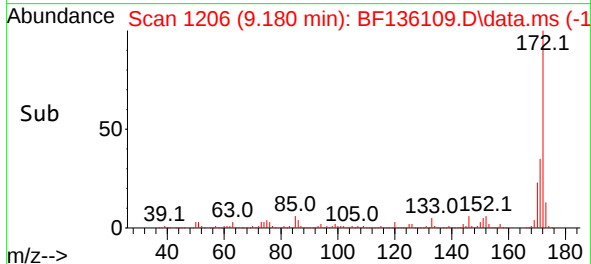
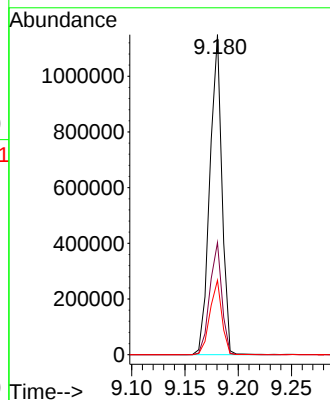
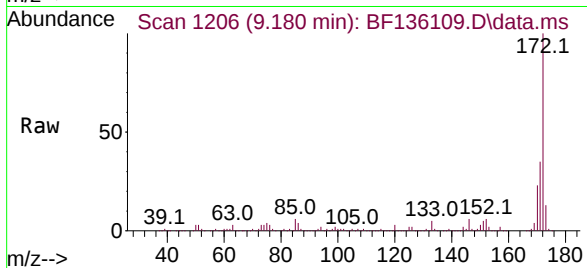
Tgt Ion:172 Resp: 909024

Ion Ratio Lower Upper

172 100

171 35.0 29.4 44.0

170 23.2 19.3 28.9



#50

Dimethylphthalate

Concen: 3.096 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

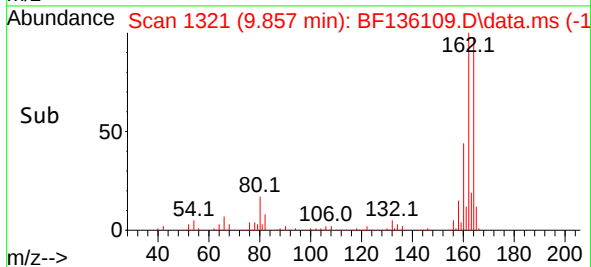
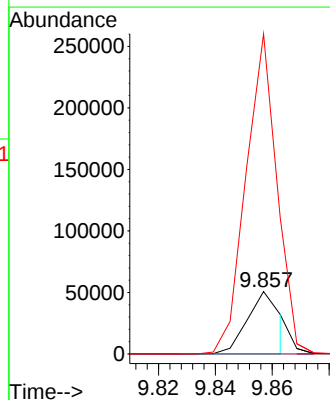
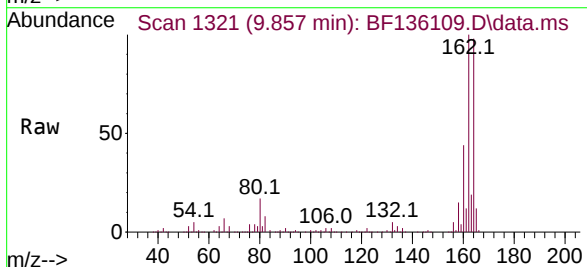
Tgt Ion:163 Resp: 40523

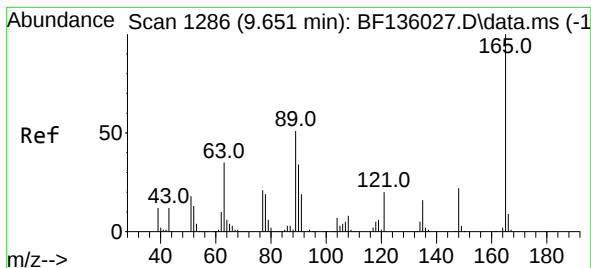
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 512.4 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 8.983 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

Instrument :

BNA\_F

ClientSampleId :

B2

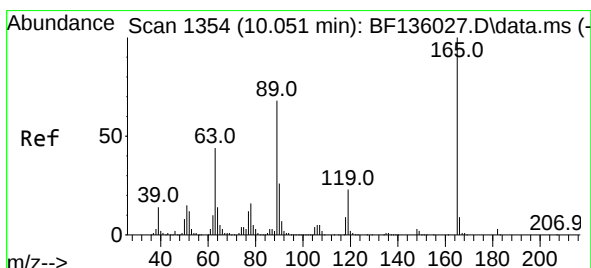
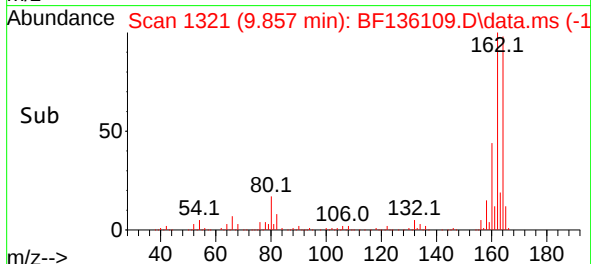
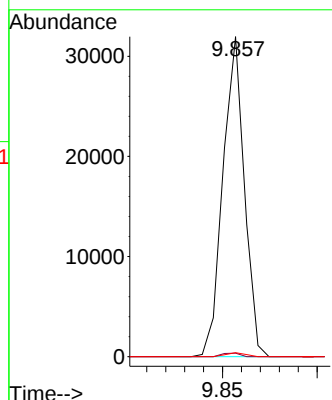
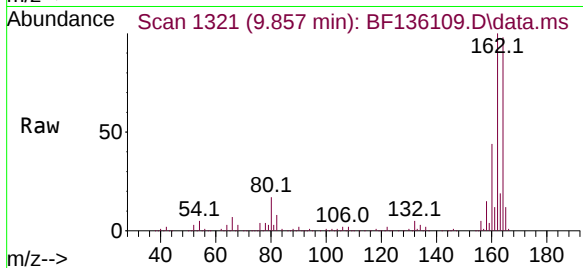
Tgt Ion:165 Resp: 25144

Ion Ratio Lower Upper

165 100

63 1.1 40.8 61.2#

89 1.2 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.100 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

Tgt Ion:165 Resp: 25144

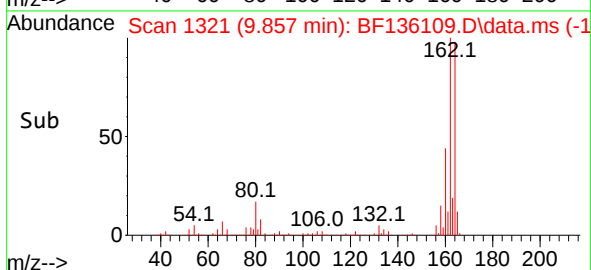
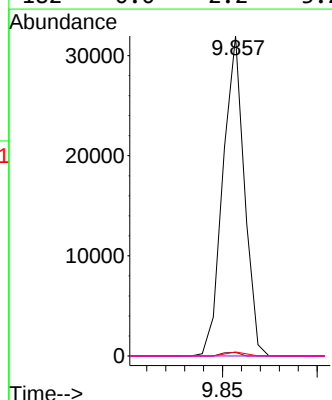
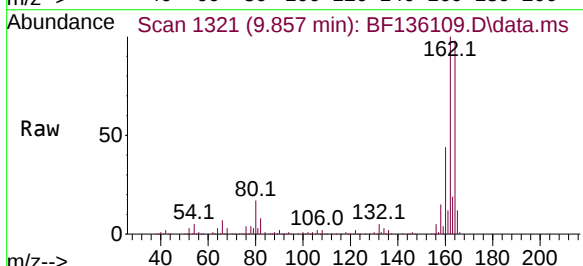
Ion Ratio Lower Upper

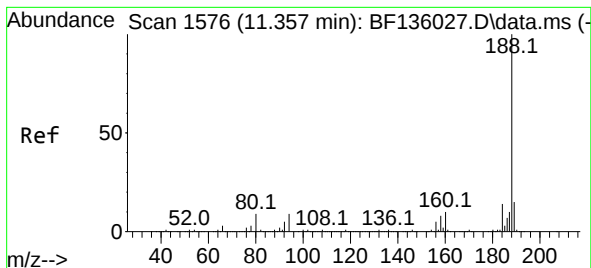
165 100

63 1.1 35.2 52.8#

89 1.2 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

Instrument :

BNA\_F

ClientSampleId :

B2

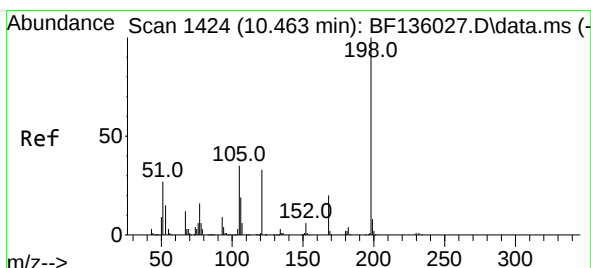
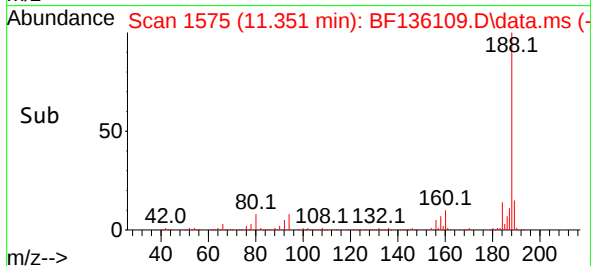
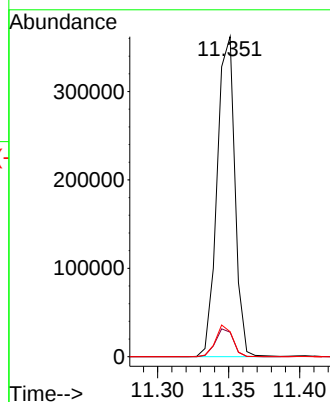
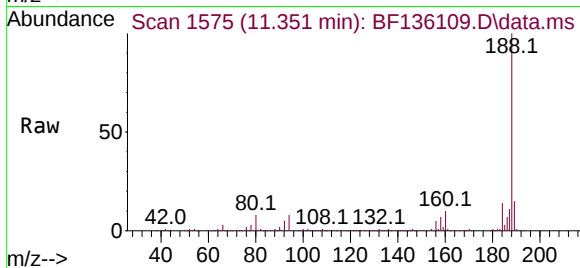
Tgt Ion:188 Resp: 315176

Ion Ratio Lower Upper

188 100

94 7.6 7.2 10.8

80 7.8 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.997 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136109.D

Acq: 02 Nov 2023 22:07

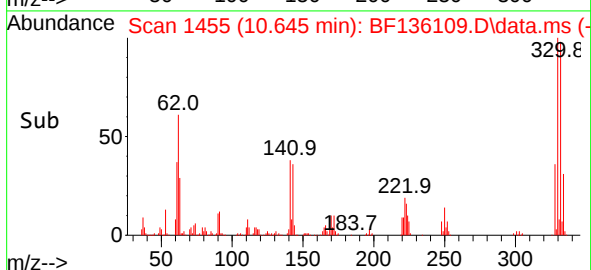
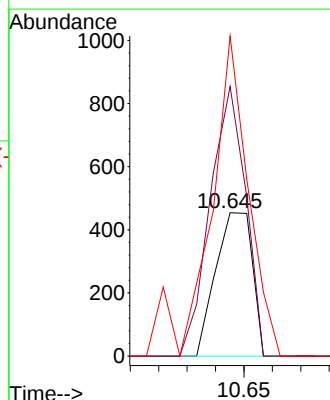
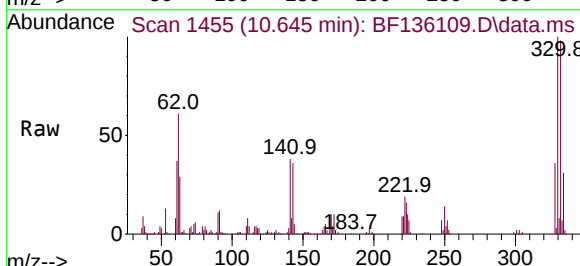
Tgt Ion:198 Resp: 406

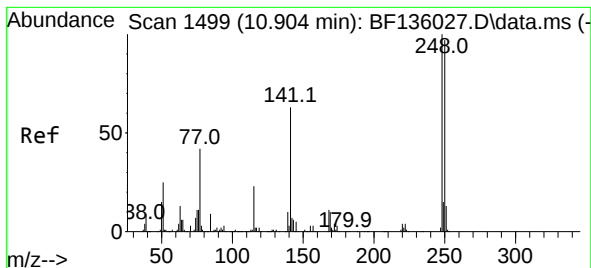
Ion Ratio Lower Upper

198 100

51 188.1 12.9 52.9#

105 223.3 16.0 56.0#

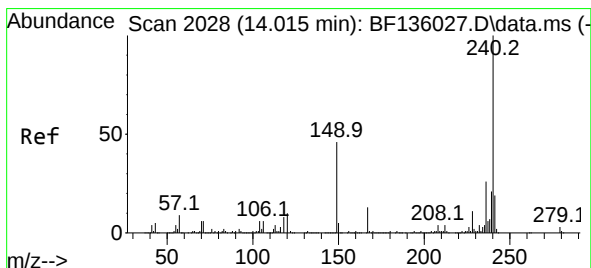
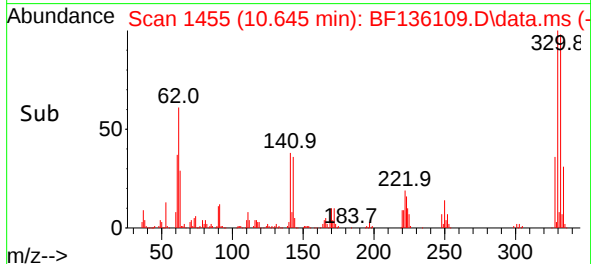
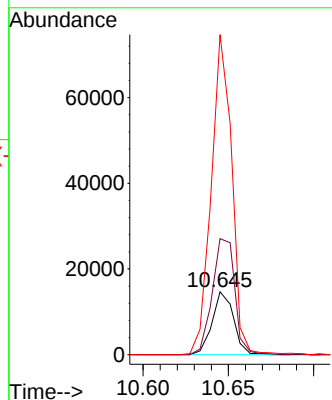
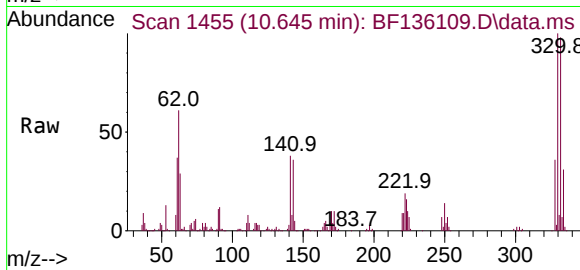




#67  
4-Bromophenyl-phenylether  
Concen: 3.871 ng  
RT: 10.645 min Scan# 14  
Delta R.T. -0.259 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

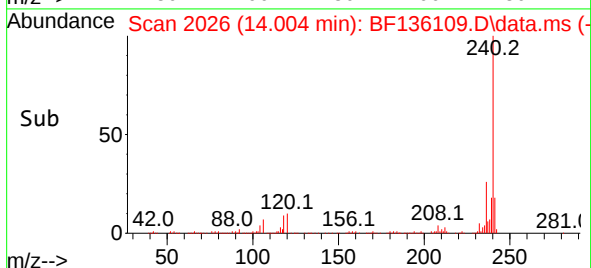
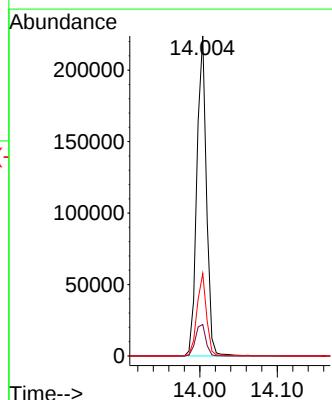
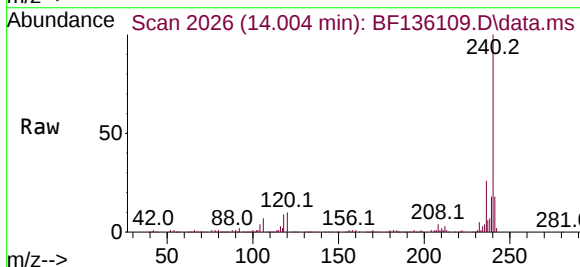
Instrument :  
BNA\_F  
ClientSampleId :  
B2

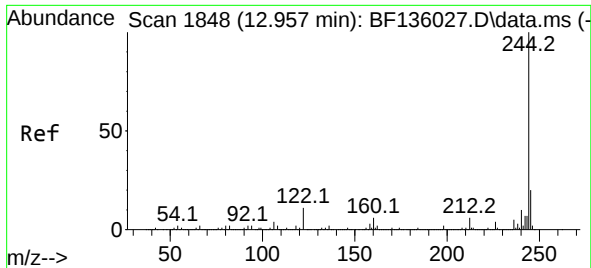
Tgt Ion:248 Resp: 12791  
Ion Ratio Lower Upper  
248 100  
250 184.3 77.6 116.4#  
141 508.4 50.4 75.6#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.012 min  
Lab File: BF136109.D  
Acq: 02 Nov 2023 22:07

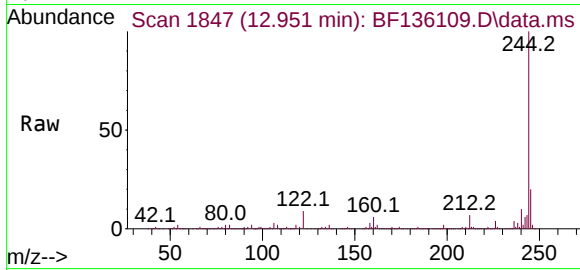
Tgt Ion:240 Resp: 192220  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.6 11.4  
236 25.8 20.6 31.0



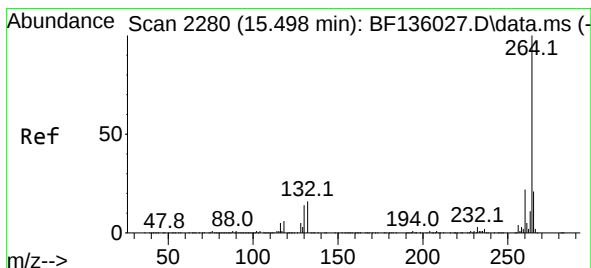
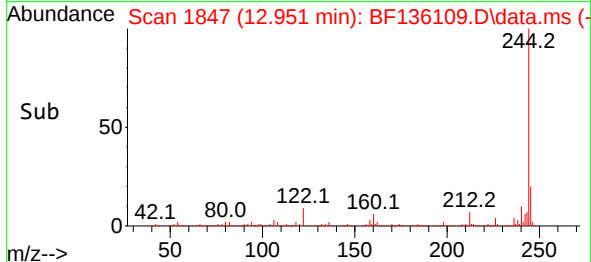
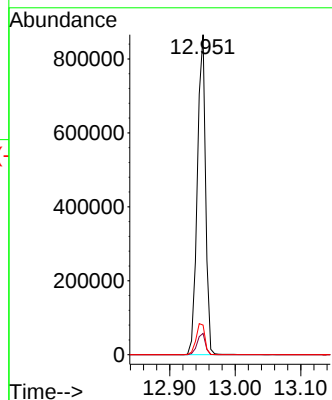


#79  
 Terphenyl-d14  
 Concen: 61.153 ng  
 RT: 12.951 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF136109.D  
 Acq: 02 Nov 2023 22:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2



Tgt Ion:244 Resp: 756406  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.1 7.7  
 122 9.3 8.6 12.8



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.492 min Scan# 2279  
 Delta R.T. -0.006 min  
 Lab File: BF136109.D  
 Acq: 02 Nov 2023 22:07

Tgt Ion:264 Resp: 168769  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 17.9 26.9  
 265 20.8 16.8 25.2

