

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011624\  
 Data File : BF137090.D  
 Acq On : 16 Jan 2024 20:36  
 Operator : CG\JU  
 Sample : P1146-07  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 5TH-FLOOR-SAMPLE-03

Quant Time: Jan 17 02:03:01 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

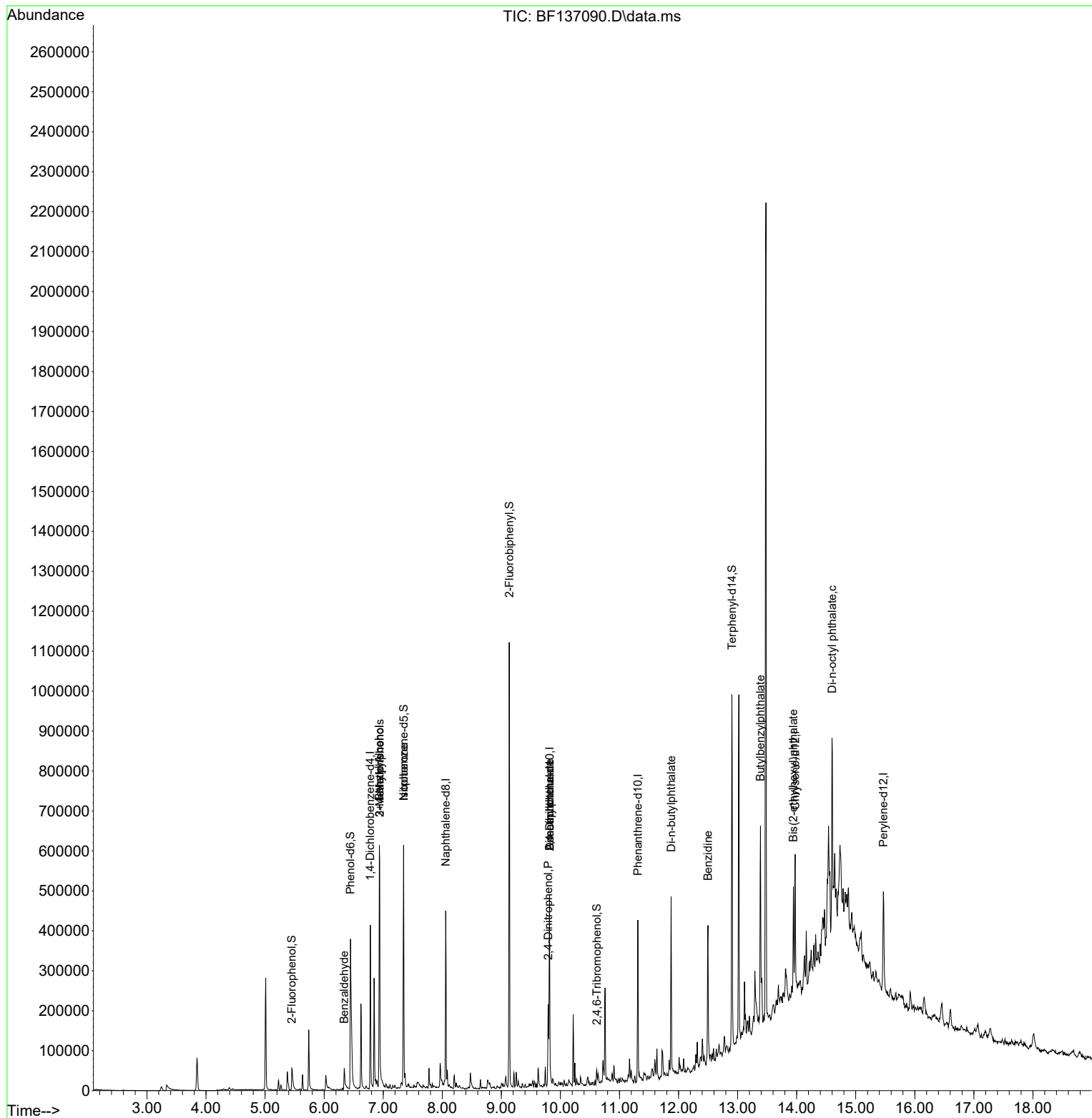
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 46188    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 179460   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.816  | 164  | 81946    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 135615   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 108582   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 105462   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 27060    | 9.141  | ng    | 0.02     |
| 7) Phenol-d6                  | 6.446  | 99   | 196131   | 51.133 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 161534   | 46.060 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 4866     | 5.042  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 327974   | 53.831 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 313999   | 40.412 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 9) Benzaldehyde               | 6.340  | 77   | 8360     | 3.832  | ng    | 94       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 134367   | 51.924 | ng    | 98       |
| 17) 2-Methylphenol            | 6.940  | 107  | 76317    | 28.437 | ng    | # 26     |
| 20) 3+4-Methylphenols         | 6.940  | 107  | 76317    | 22.762 | ng    | # 32     |
| 25) Isophorone                | 7.345  | 82   | 161532   | 25.313 | ng    | # 65     |
| 50) Dimethylphthalate         | 9.816  | 163  | 16479    | 2.753  | ng    | # 1      |
| 54) 2,4-Dinitrophenol         | 9.792  | 184  | 161      | 3.939  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.816  | 165  | 10242    | 5.808  | ng    | # 25     |
| 74) Di-n-butylphthalate       | 11.875 | 149  | 200187   | 24.692 | ng    | 99       |
| 77) Benzidine                 | 12.498 | 184  | 155027   | 48.421 | ng    | # 85     |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 101652   | 26.209 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 73768    | 15.117 | ng    | 95       |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 66429    | 8.800  | ng    | # 48     |
| -----                         |        |      |          |        |       |          |

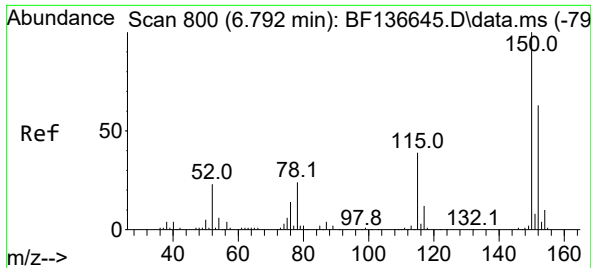
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011624\  
Data File : BF137090.D  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
5TH-FLOOR-SAMPLE-03

Quant Time: Jan 17 02:03:01 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

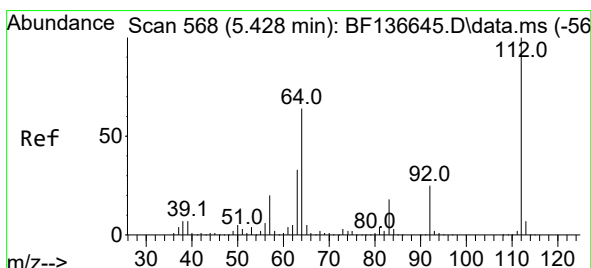
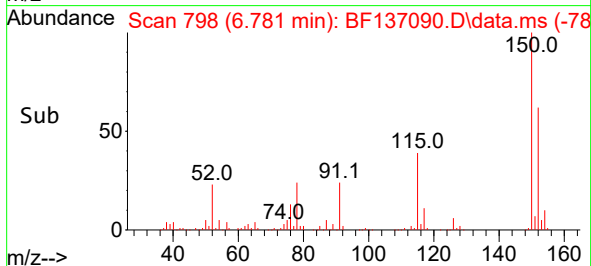
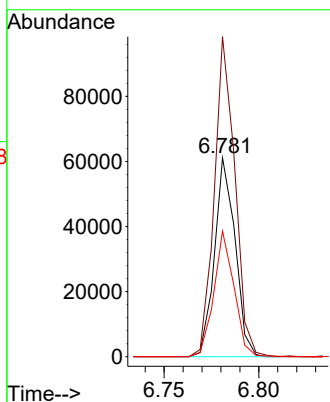
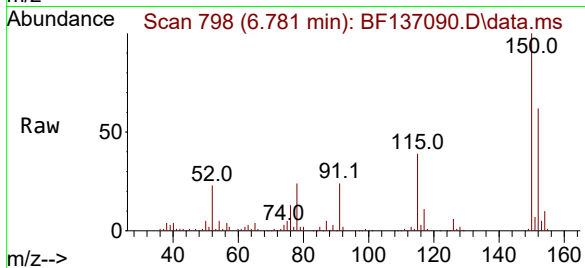




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

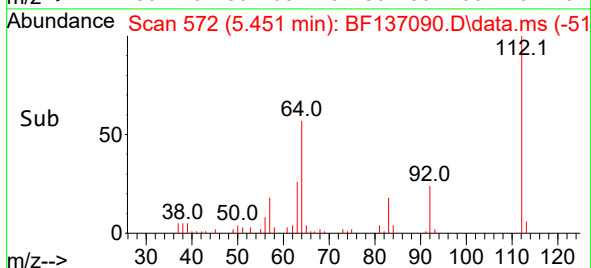
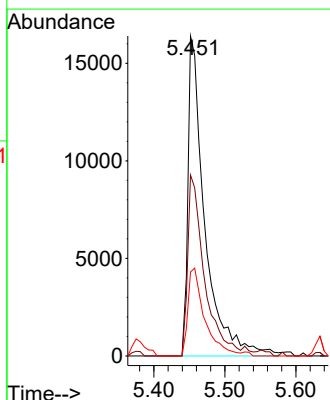
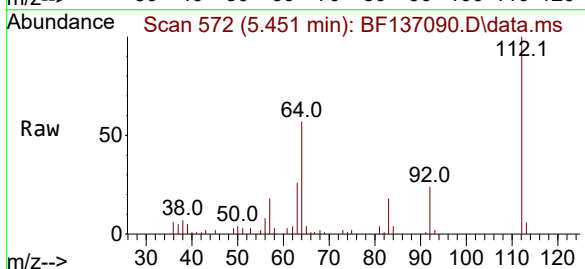
Instrument :  
BNA\_F  
ClientSampleId :  
5TH-FLOOR-SAMPLE-03

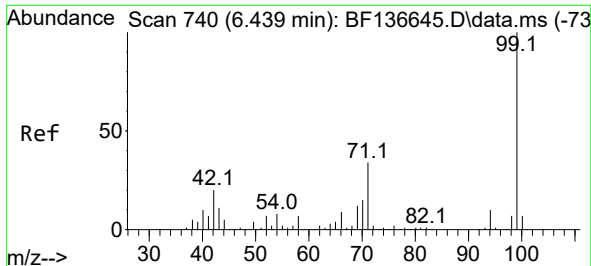
Tgt Ion:152 Resp: 46188  
Ion Ratio Lower Upper  
152 100  
150 160.9 127.0 190.6  
115 63.2 49.0 73.4



#5  
2-Fluorophenol  
Concen: 9.141 ng  
RT: 5.451 min Scan# 572  
Delta R.T. 0.024 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

Tgt Ion:112 Resp: 27060  
Ion Ratio Lower Upper  
112 100  
64 56.5 51.1 76.7  
63 26.2 26.1 39.1





#7

Phenol-d6

Concen: 51.133 ng

RT: 6.446 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

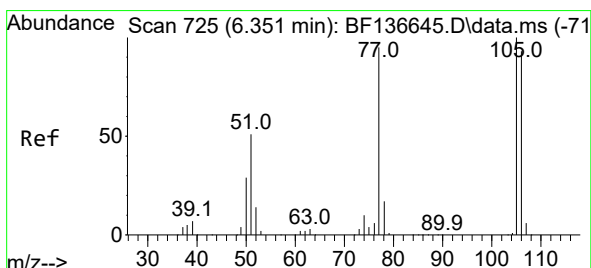
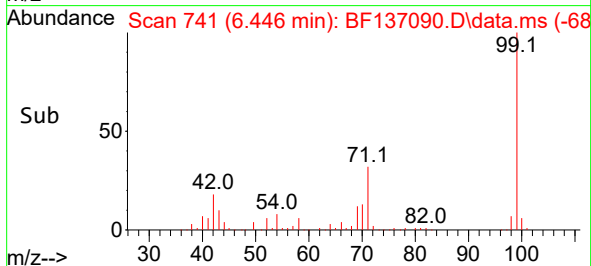
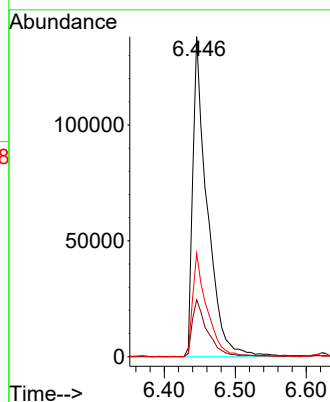
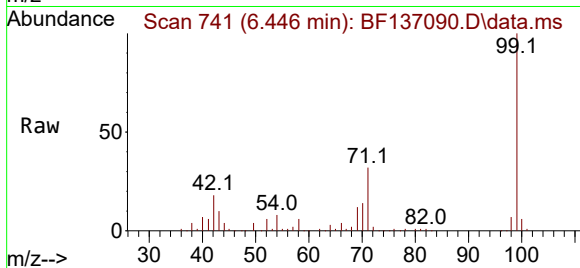
Tgt Ion: 99 Resp: 196131

Ion Ratio Lower Upper

99 100

42 17.8 16.1 24.1

71 32.3 27.4 41.2



#9

Benzaldehyde

Concen: 3.832 ng

RT: 6.340 min Scan# 723

Delta R.T. -0.012 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

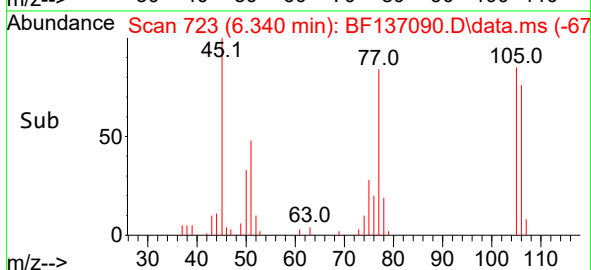
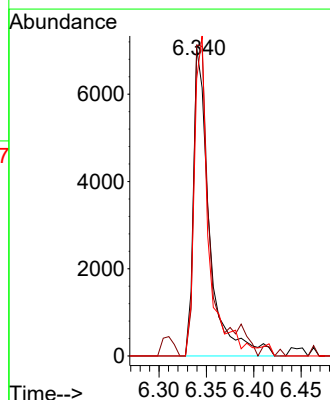
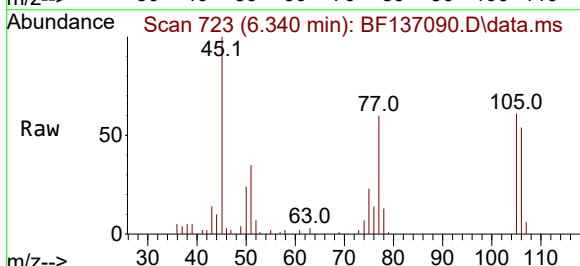
Tgt Ion: 77 Resp: 8360

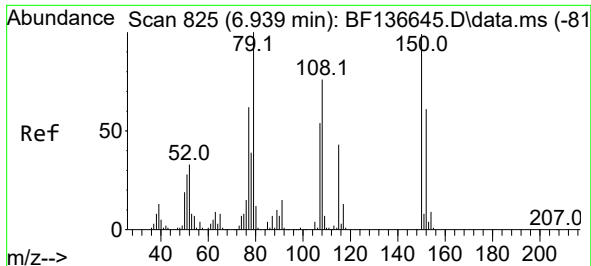
Ion Ratio Lower Upper

77 100

105 101.0 84.8 124.8

106 90.0 77.8 117.8

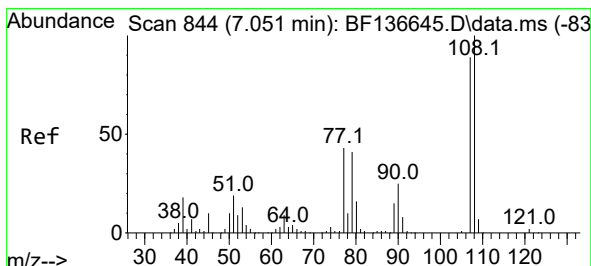
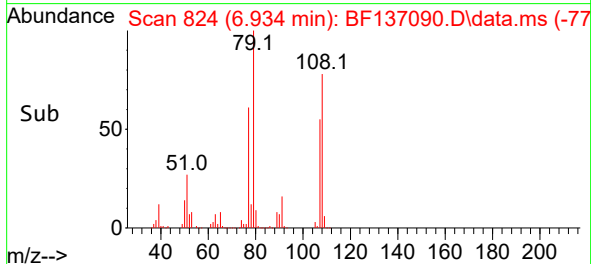
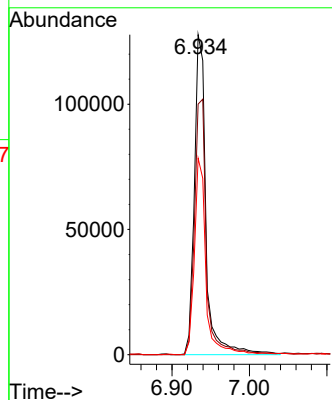
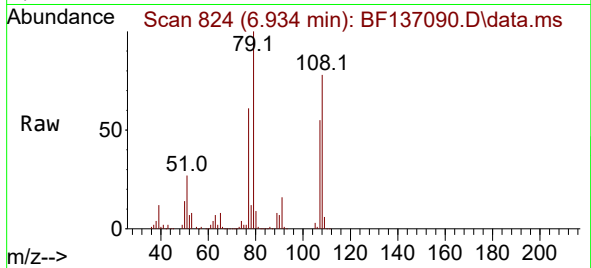




#15  
Benzyl Alcohol  
Concen: 51.924 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

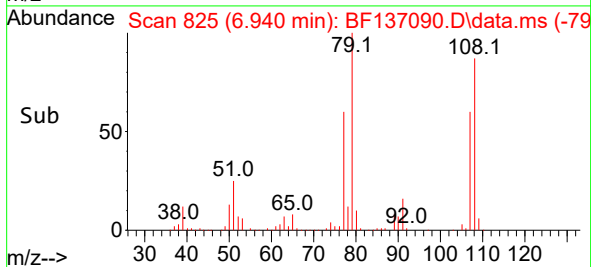
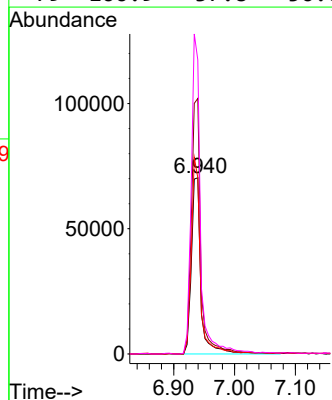
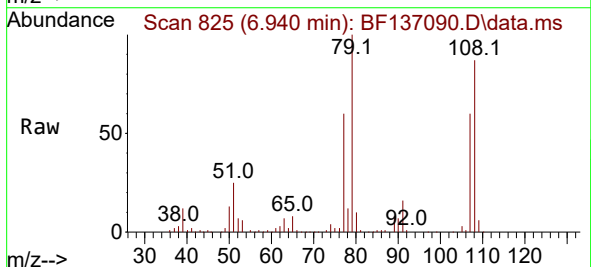
Instrument :  
BNA\_F  
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5TH-FLOOR-SAMPLE-03

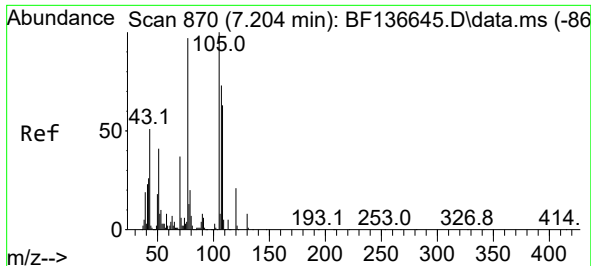
Tgt Ion: 79 Resp: 134367  
Ion Ratio Lower Upper  
79 100  
108 78.3 61.0 91.6  
77 61.4 49.8 74.8



#17  
2-Methylphenol  
Concen: 28.437 ng  
RT: 6.940 min Scan# 825  
Delta R.T. -0.112 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

Tgt Ion: 107 Resp: 76317  
Ion Ratio Lower Upper  
107 100  
108 145.0 90.3 135.5#  
77 100.0 38.7 58.1#  
79 166.9 37.8 56.6#





#20

3+4-Methylphenols

Concen: 22.762 ng

RT: 6.940 min Scan# 81

Delta R.T. -0.264 min

Lab File: BF137090.D

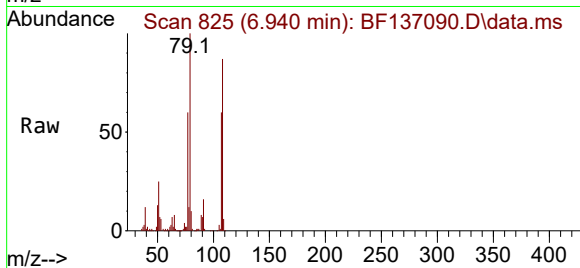
Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03



Tgt Ion:107 Resp: 76317

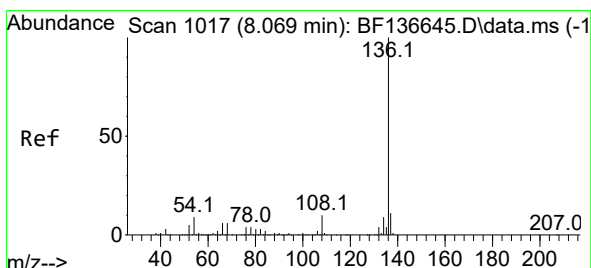
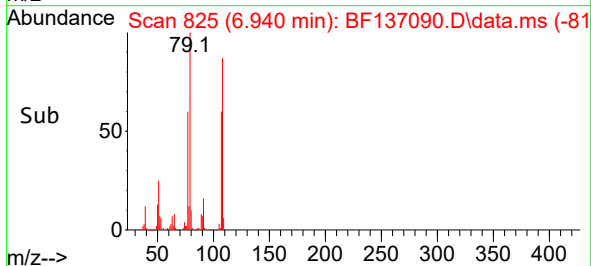
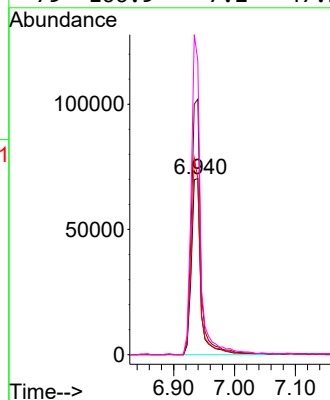
Ion Ratio Lower Upper

107 100

108 145.0 66.0 106.0#

77 100.0 114.2 154.2#

79 166.9 7.2 47.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Tgt Ion:136 Resp: 179460

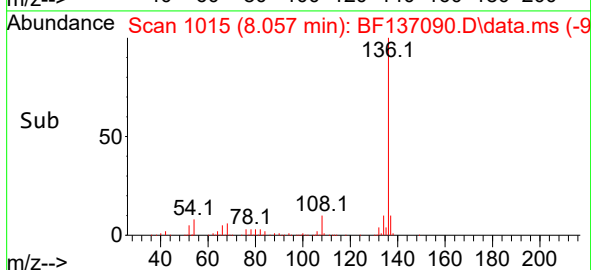
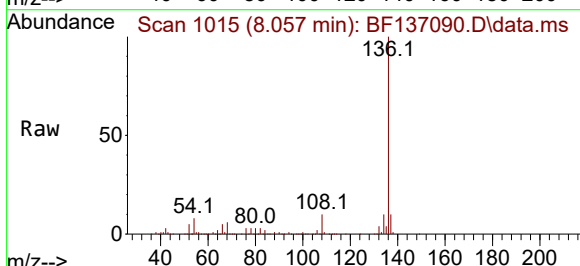
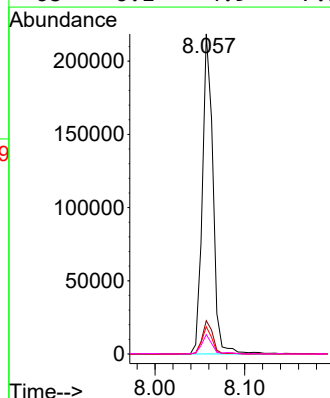
Ion Ratio Lower Upper

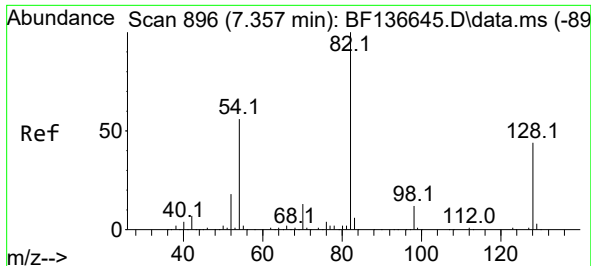
136 100

137 10.4 9.0 13.4

54 8.5 7.2 10.8

68 6.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.060 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

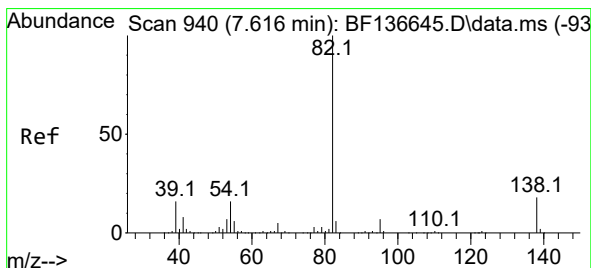
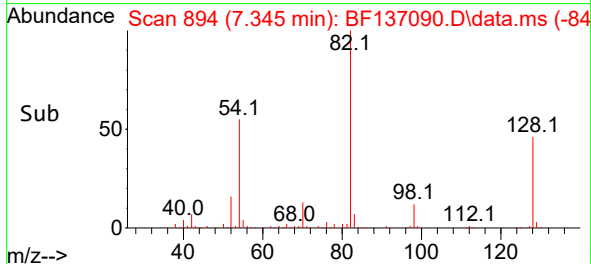
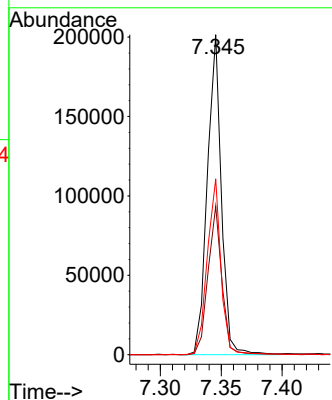
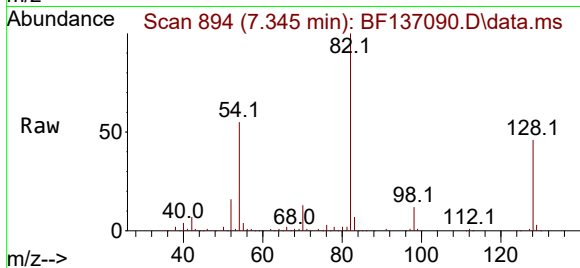
Tgt Ion: 82 Resp: 161534

Ion Ratio Lower Upper

82 100

128 46.4 35.3 52.9

54 54.9 44.5 66.7



#25

Isophorone

Concen: 25.313 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.270 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

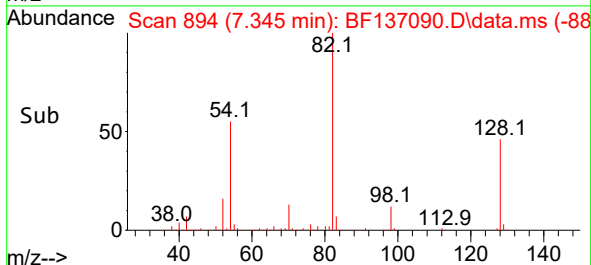
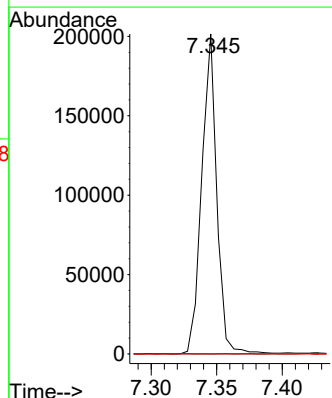
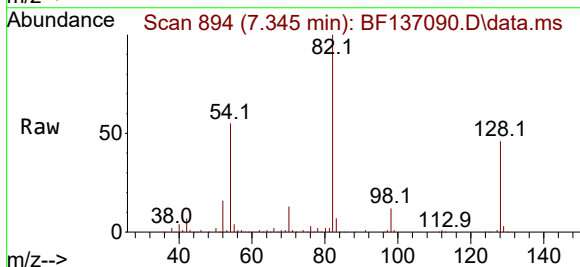
Tgt Ion: 82 Resp: 161532

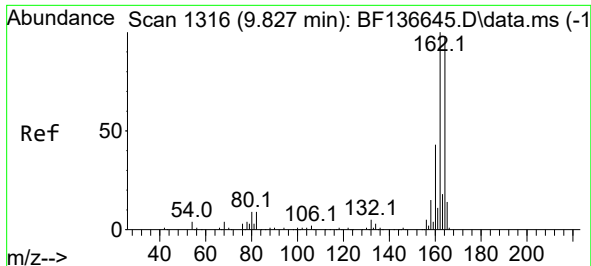
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 14.5 21.7#

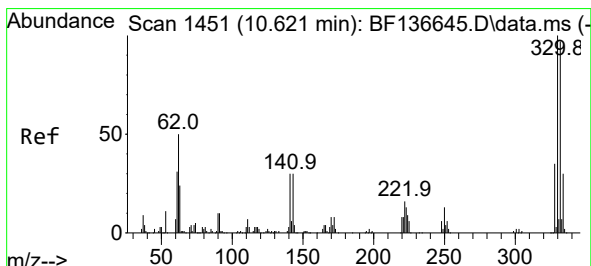
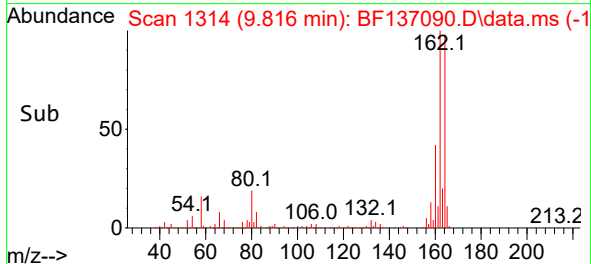
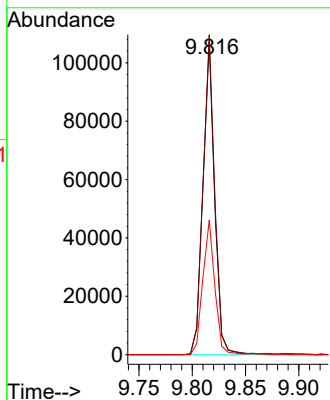
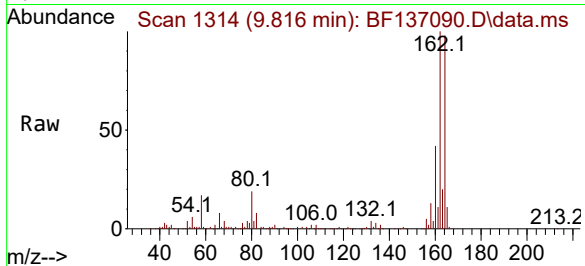




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

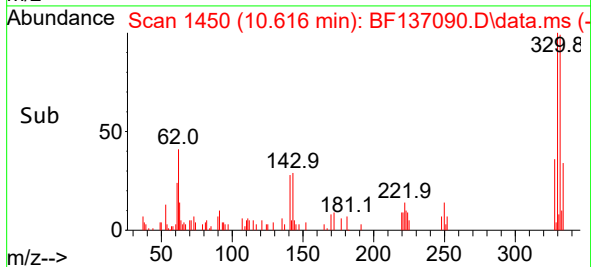
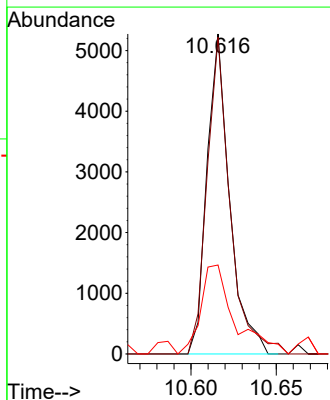
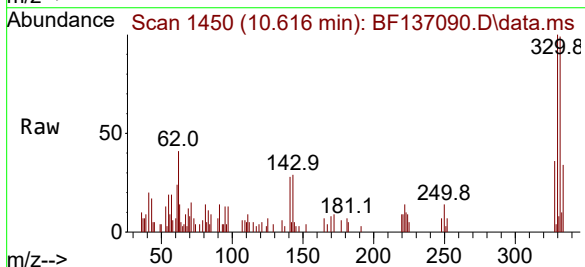
Instrument :  
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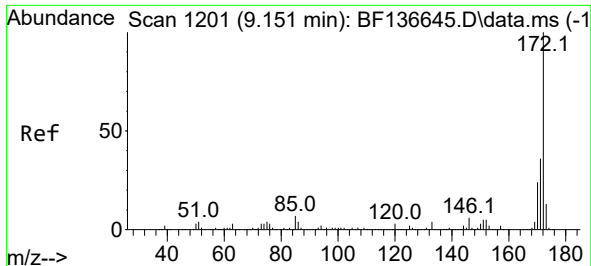
Tgt Ion:164 Resp: 81946  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.6 122.4  
160 43.0 34.9 52.3



#42  
2,4,6-Tribromophenol  
Concen: 5.042 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

Tgt Ion:330 Resp: 4866  
Ion Ratio Lower Upper  
330 100  
332 100.9 77.4 116.0  
141 41.3 23.4 35.2#





#45

2-Fluorobiphenyl

Concen: 53.831 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF137090.D

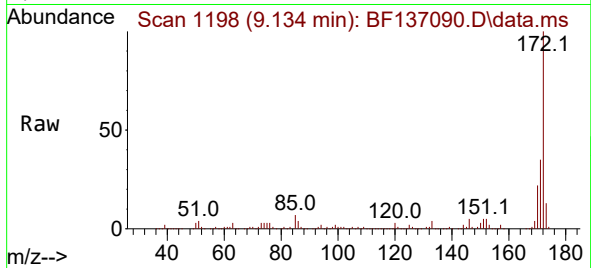
Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03



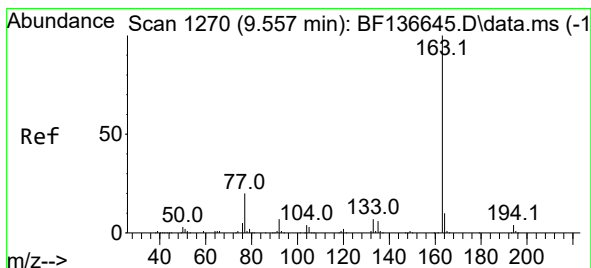
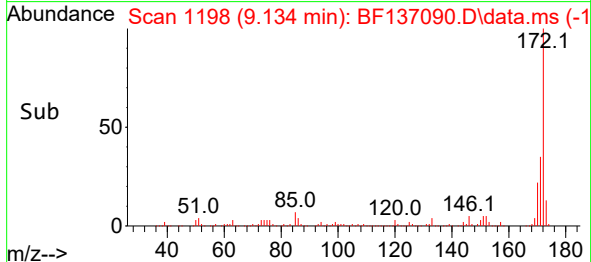
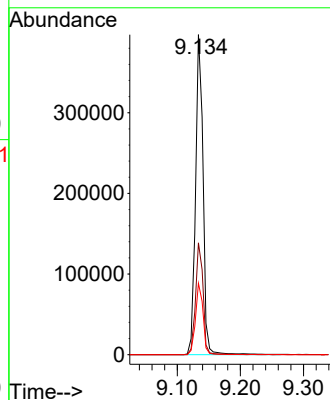
Tgt Ion:172 Resp: 327974

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 22.3 19.0 28.4



#50

Dimethylphthalate

Concen: 2.753 ng

RT: 9.816 min Scan# 1314

Delta R.T. 0.259 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

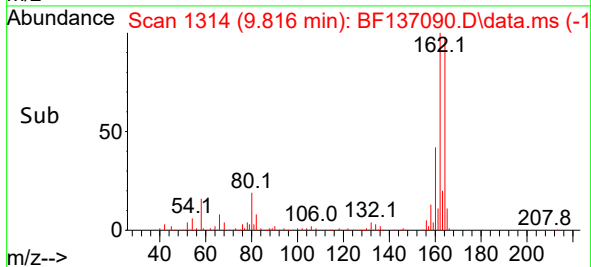
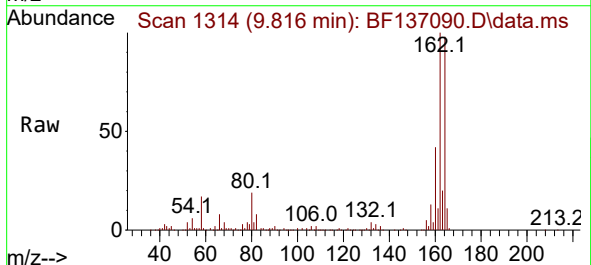
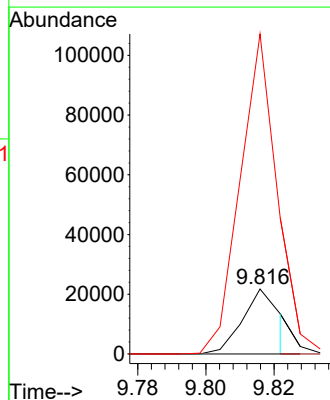
Tgt Ion:163 Resp: 16479

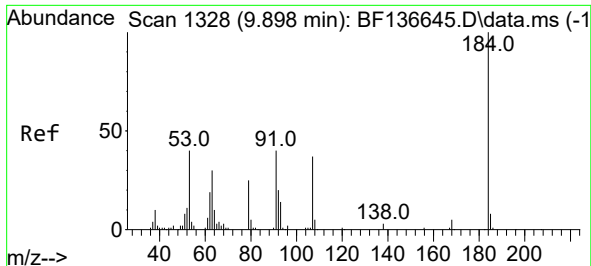
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 492.7 7.8 11.6#

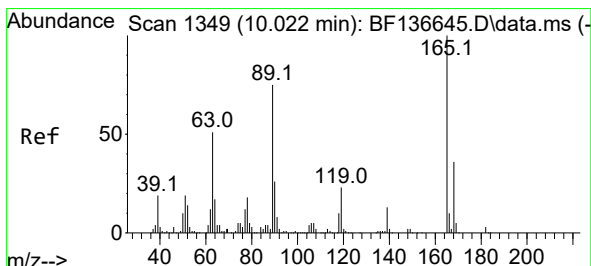
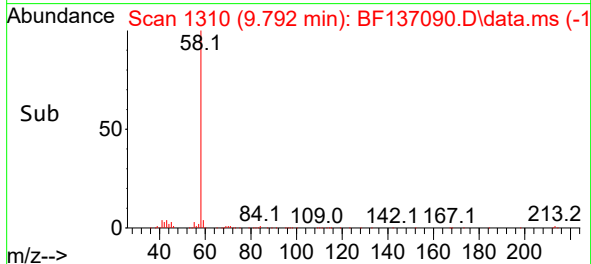
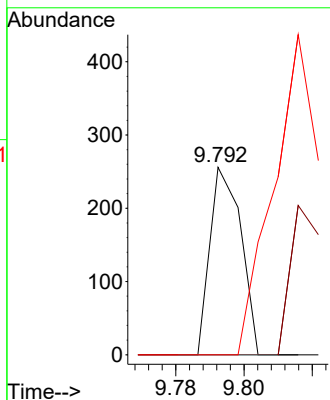
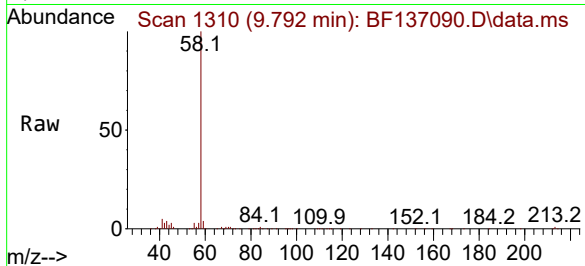




#54  
2,4-Dinitrophenol  
Concen: 3.939 ng  
RT: 9.792 min Scan# 11  
Delta R.T. -0.106 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

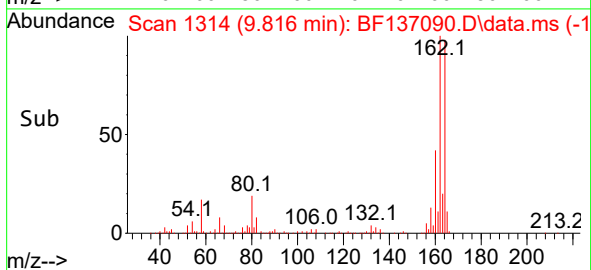
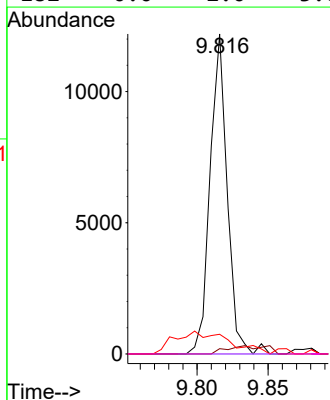
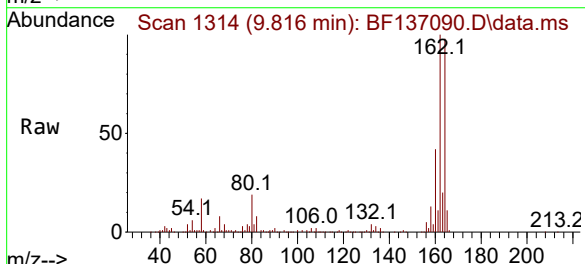
Instrument :  
BNA\_F  
ClientSampleId :  
5TH-FLOOR-SAMPLE-03

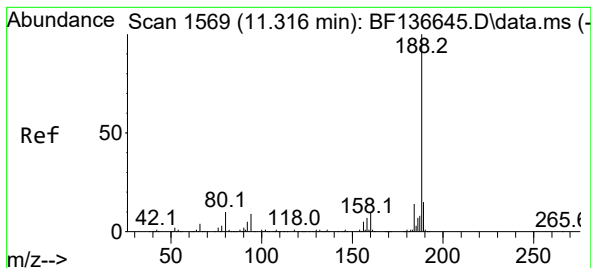
Tgt Ion:184 Resp: 161  
Ion Ratio Lower Upper  
184 100  
63 0.0 40.9 61.3#  
154 0.0 42.7 64.1#



#57  
2,4-Dinitrotoluene  
Concen: 5.808 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.206 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

Tgt Ion:165 Resp: 10242  
Ion Ratio Lower Upper  
165 100  
63 1.7 41.0 61.6#  
89 6.2 59.9 89.9#  
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

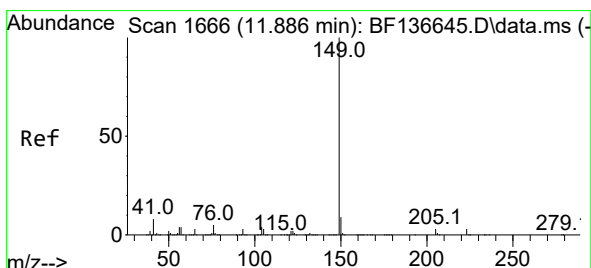
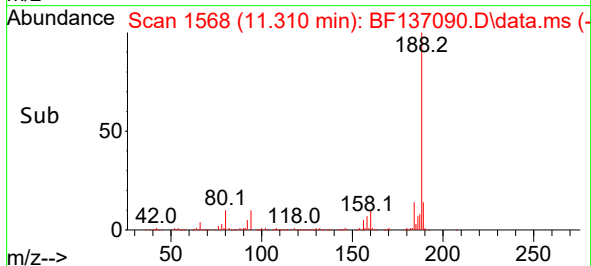
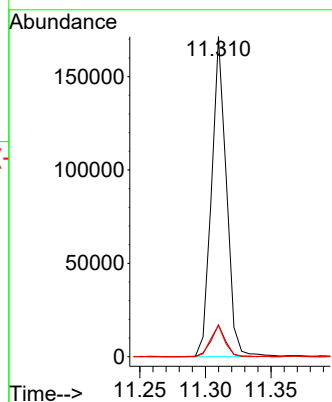
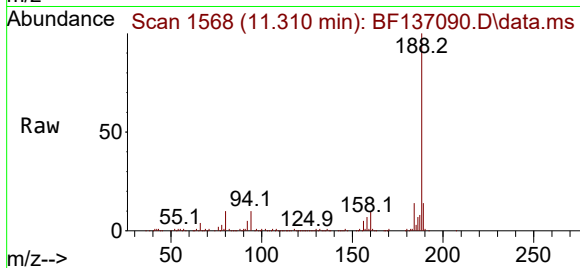
Tgt Ion:188 Resp: 135615

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 9.8 8.1 12.1



#74

Di-n-butylphthalate

Concen: 24.692 ng

RT: 11.875 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

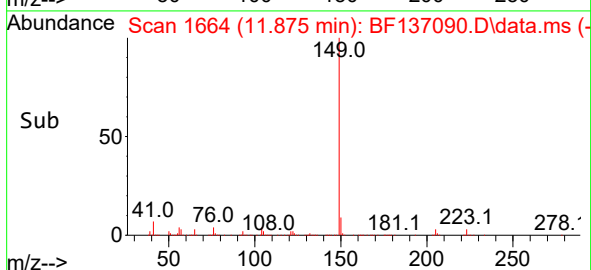
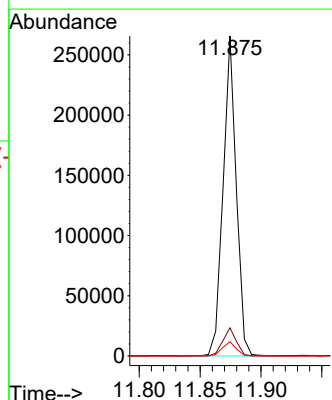
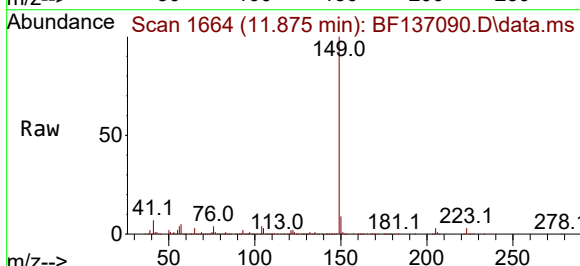
Tgt Ion:149 Resp: 200187

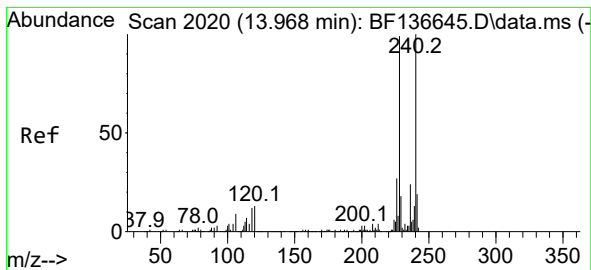
Ion Ratio Lower Upper

149 100

150 8.8 7.4 11.2

104 4.5 3.6 5.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

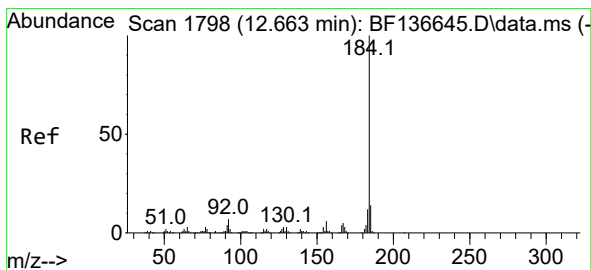
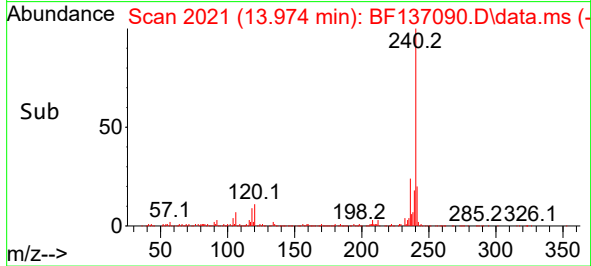
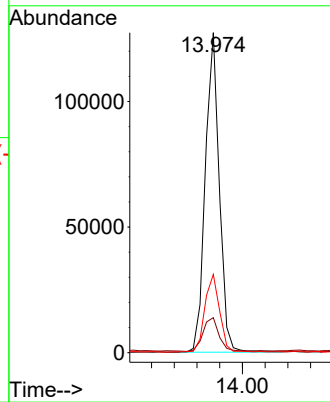
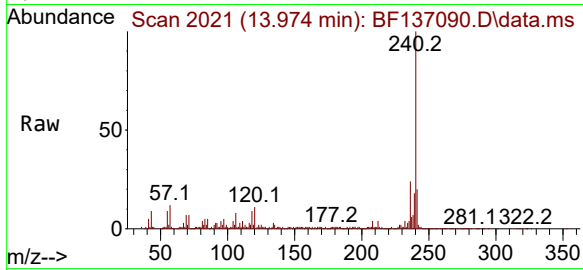
Tgt Ion:240 Resp: 108582

Ion Ratio Lower Upper

240 100

120 11.0 10.3 15.5

236 24.5 19.4 29.2



#77

Benzidine

Concen: 48.421 ng

RT: 12.498 min Scan# 1770

Delta R.T. -0.164 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

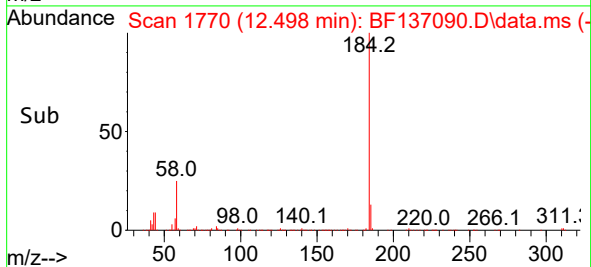
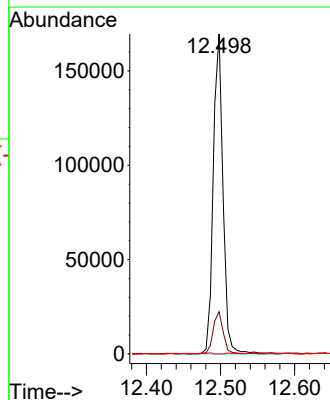
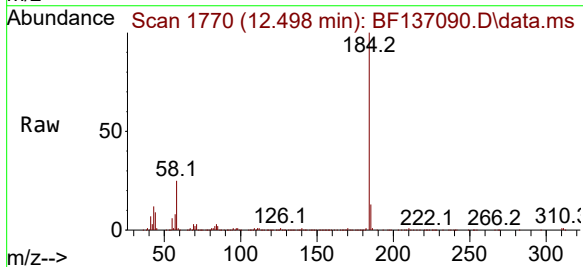
Tgt Ion:184 Resp: 155027

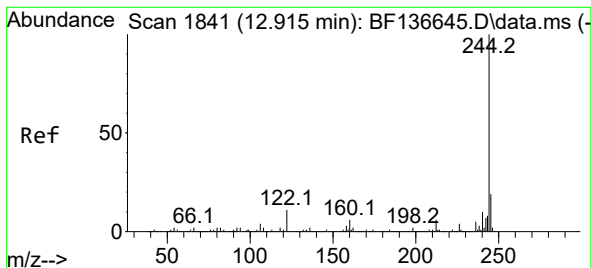
Ion Ratio Lower Upper

184 100

185 13.2 11.2 16.8

183 0.0 9.3 13.9#





#79

Terphenyl-d14

Concen: 40.412 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

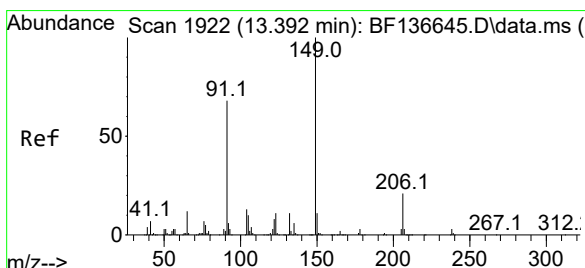
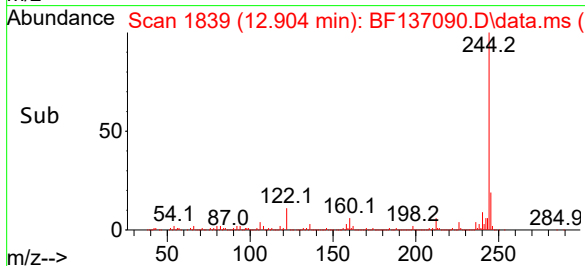
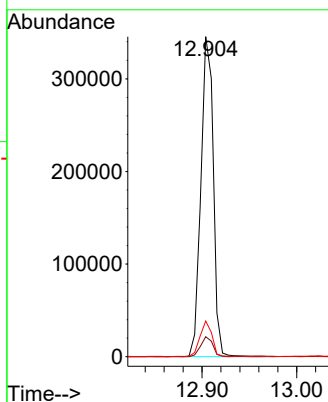
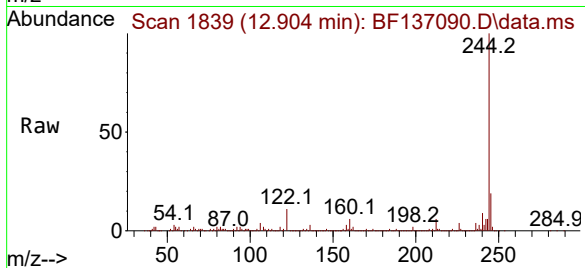
Tgt Ion:244 Resp: 313999

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 11.1 9.0 13.4



#80

Butylbenzylphthalate

Concen: 26.209 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

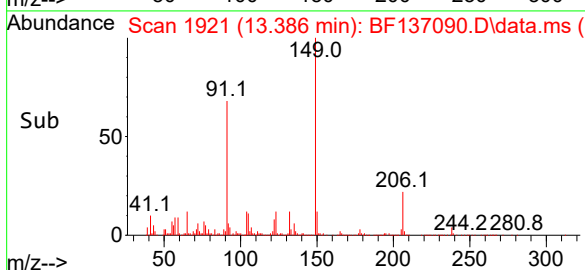
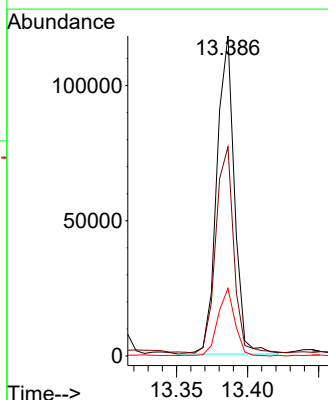
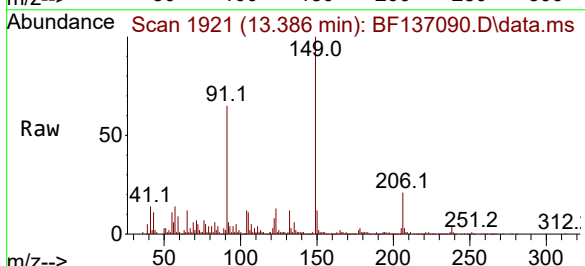
Tgt Ion:149 Resp: 101652

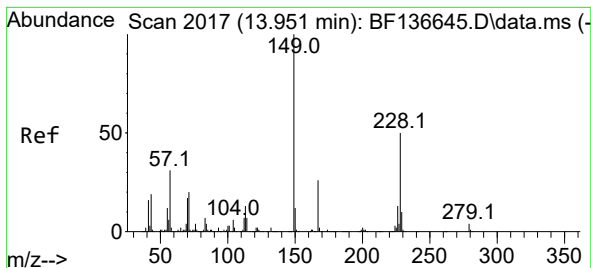
Ion Ratio Lower Upper

149 100

91 65.4 54.1 81.1

206 21.1 17.1 25.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 15.117 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

Instrument :

BNA\_F

ClientSampleId :

5TH-FLOOR-SAMPLE-03

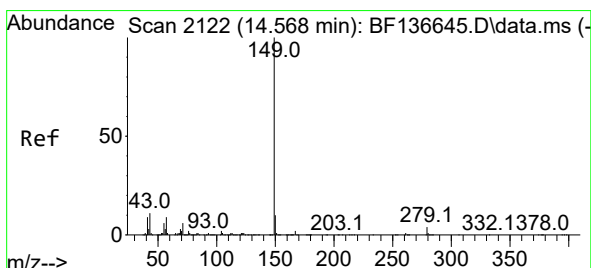
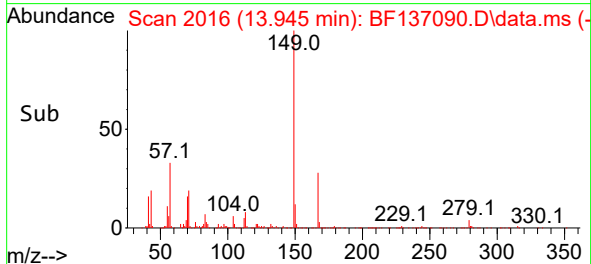
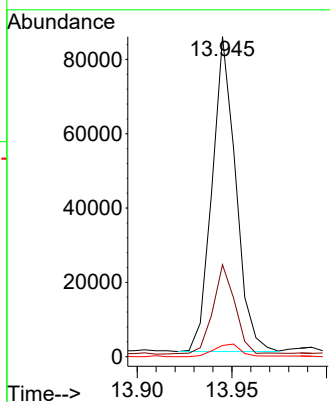
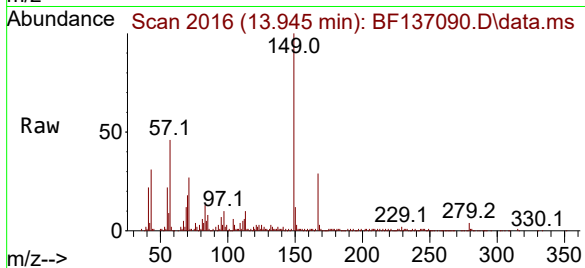
Tgt Ion:149 Resp: 73768

Ion Ratio Lower Upper

149 100

167 28.7 20.9 31.3

279 3.5 2.9 4.3



#85

Di-n-octyl phthalate

Concen: 8.800 ng

RT: 14.598 min Scan# 2127

Delta R.T. 0.030 min

Lab File: BF137090.D

Acq: 16 Jan 2024 20:36

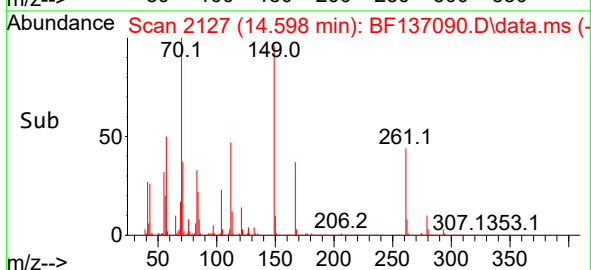
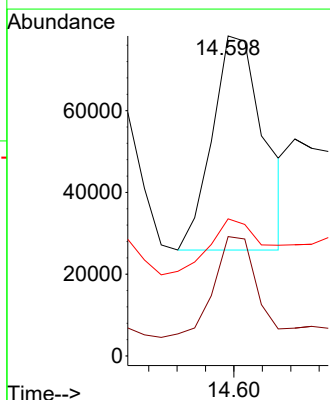
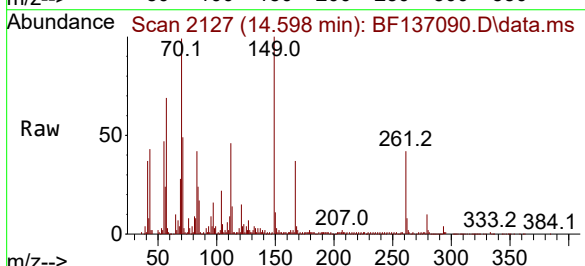
Tgt Ion:149 Resp: 66429

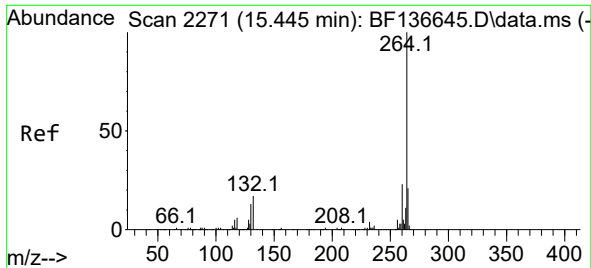
Ion Ratio Lower Upper

149 100

167 43.3 1.2 1.8#

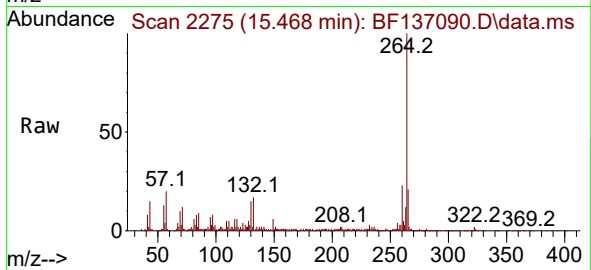
43 27.7 8.9 13.3#





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 21  
Delta R.T. 0.024 min  
Lab File: BF137090.D  
Acq: 16 Jan 2024 20:36

Instrument :  
BNA\_F  
ClientSampleId :  
5TH-FLOOR-SAMPLE-03



Tgt Ion:264 Resp: 105462  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.3  | 27.5  |
| 265 | 21.5  | 17.0  | 25.6  |

