

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010324\  
 Data File : BF136914.D  
 Acq On : 03 Jan 2024 18:44  
 Operator : CG\JU  
 Sample : 05900-10  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHL-SS-63

Quant Time: Jan 04 03:40:49 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

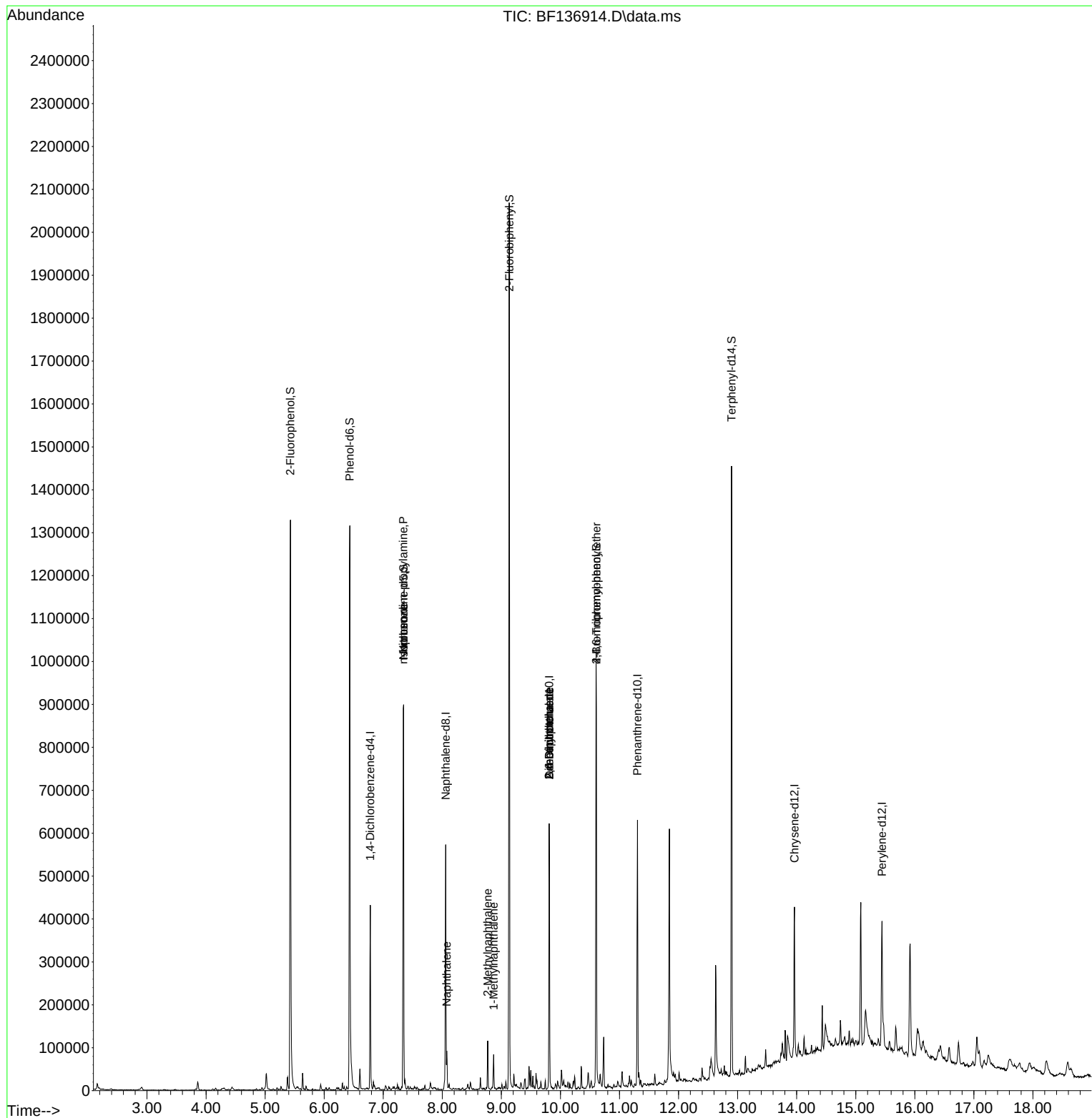
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 58828    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.057  | 136  | 230766   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.810  | 164  | 118856   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.304 | 188  | 208246   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.963 | 240  | 121379   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 140198   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 376875   | 99.958 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 481734   | 98.606 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 302428   | 67.062 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 130913   | 93.523 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.133  | 172  | 616674   | 69.783 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.898 | 244  | 507188   | 58.394 | ng    | -0.02    |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.339  | 70   | 39783    | 13.433 | ng    | # 74     |
| 25) Isophorone                | 7.345  | 82   | 301444   | 36.735 | ng    | # 65     |
| 31) Naphthalene               | 8.075  | 128  | 33442    | 2.638  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.769  | 142  | 27165    | 3.329  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.869  | 142  | 19133    | 2.390  | ng    | 98       |
| 50) Dimethylphthalate         | 9.810  | 163  | 21813    | 2.513  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene        | 9.810  | 165  | 15461    | 7.847  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene        | 9.810  | 165  | 15461    | 6.045  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether | 10.610 | 248  | 7862     | 3.399  | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

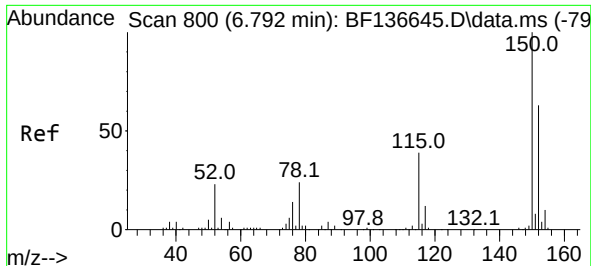
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Time: Jan 04 03:40:49 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

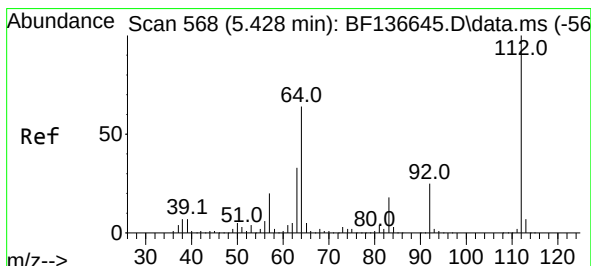
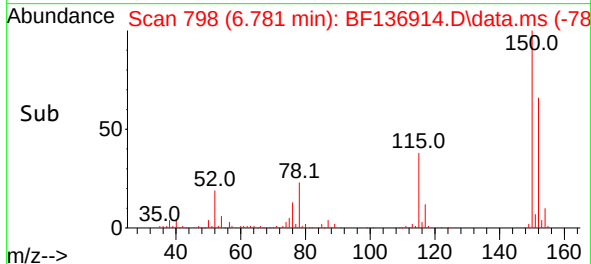
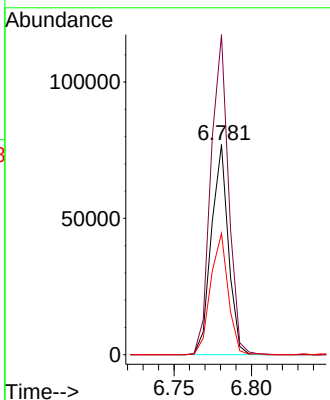
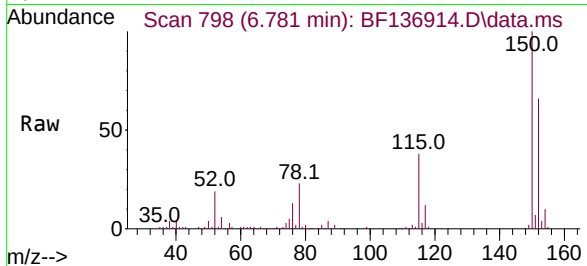




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

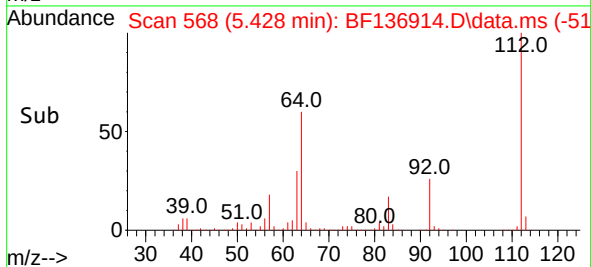
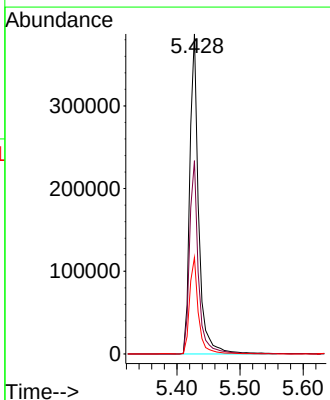
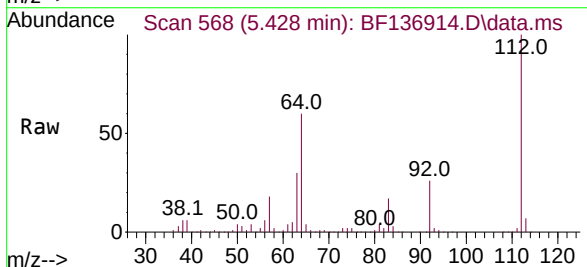
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-63

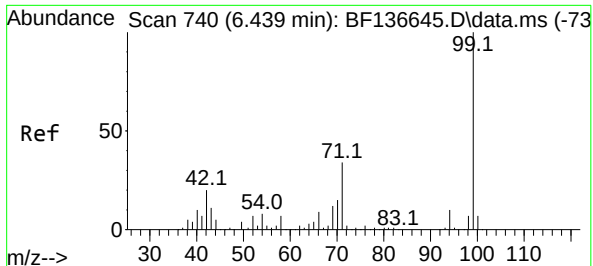
Tgt Ion:152 Resp: 58828  
Ion Ratio Lower Upper  
152 100  
150 152.3 127.0 190.6  
115 57.8 49.0 73.4



#5  
2-Fluorophenol  
Concen: 99.958 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion:112 Resp: 376875  
Ion Ratio Lower Upper  
112 100  
64 60.4 51.1 76.7  
63 30.2 26.1 39.1

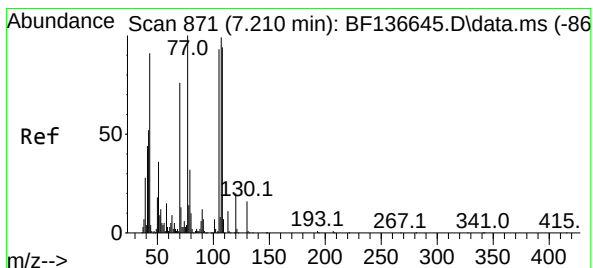
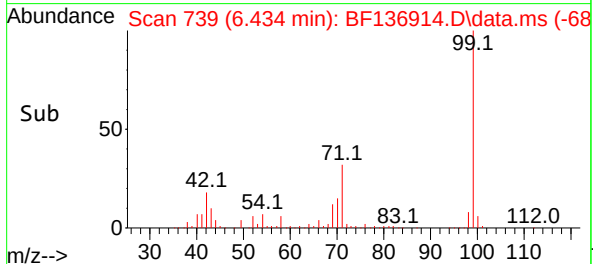
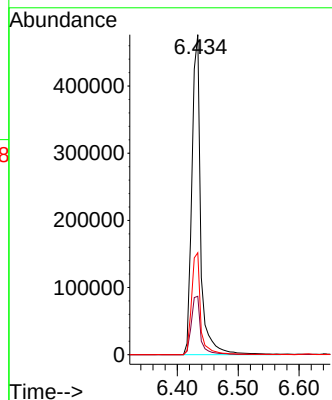
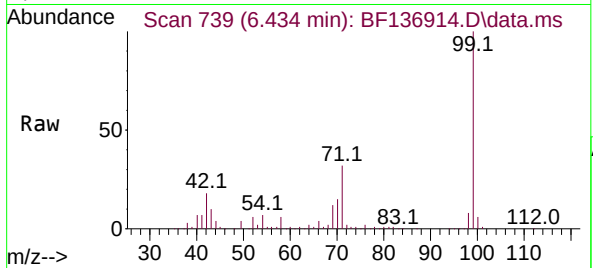




#7  
Phenol-d6  
Concen: 98.606 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

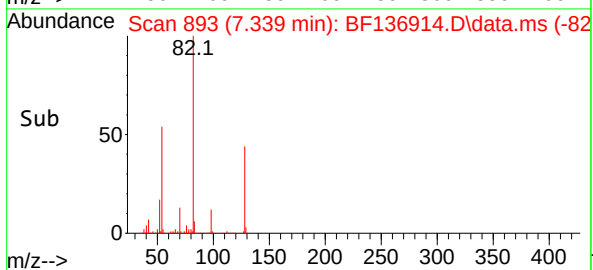
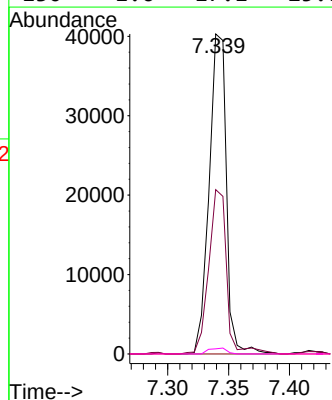
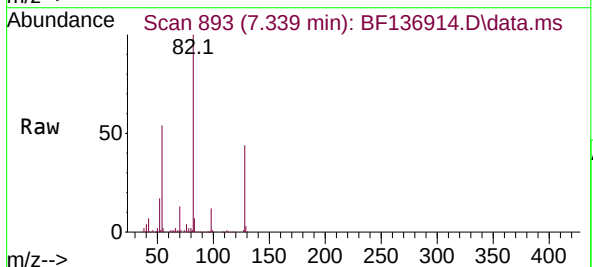
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ClientSampleId :  
GHL-SS-63

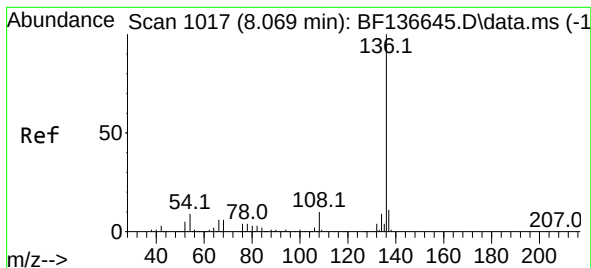
Tgt Ion: 99 Resp: 481734  
Ion Ratio Lower Upper  
99 100  
42 18.2 16.1 24.1  
71 31.8 27.4 41.2



#19  
n-Nitroso-di-n-propylamine  
Concen: 13.433 ng  
RT: 7.339 min Scan# 893  
Delta R.T. 0.129 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion: 70 Resp: 39783  
Ion Ratio Lower Upper  
70 100  
42 51.4 54.2 81.4#  
101 0.0 7.6 11.4#  
130 1.6 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-63

Tgt Ion:136 Resp: 230766

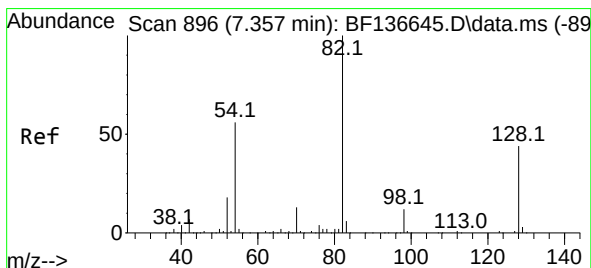
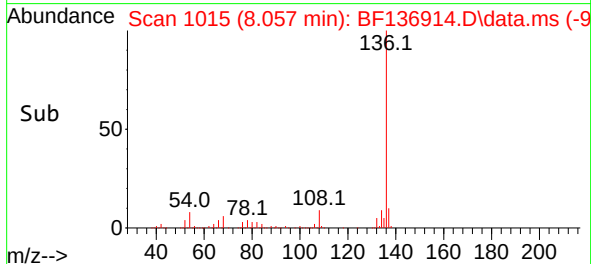
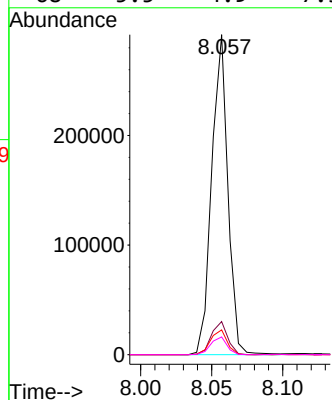
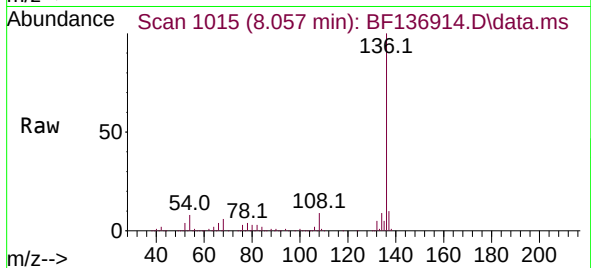
Ion Ratio Lower Upper

136 100

137 10.4 9.0 13.4

54 7.7 7.2 10.8

68 5.5 4.9 7.3



#23

Nitrobenzene-d5

Concen: 67.062 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

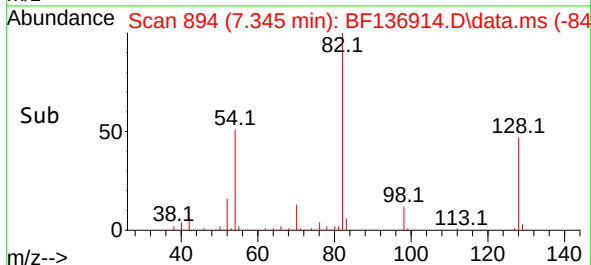
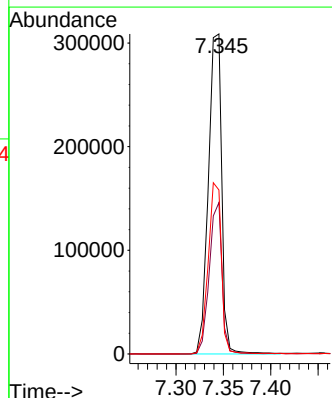
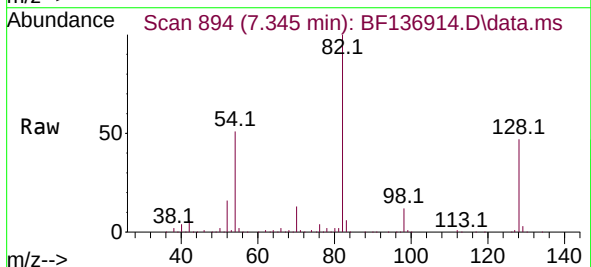
Tgt Ion: 82 Resp: 302428

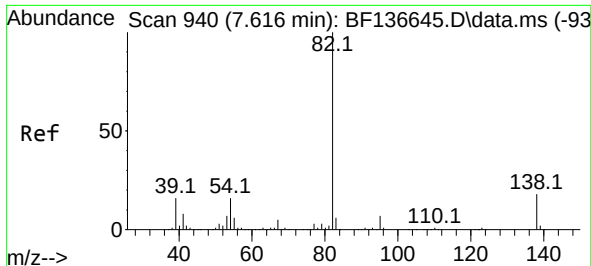
Ion Ratio Lower Upper

82 100

128 47.3 35.3 52.9

54 51.2 44.5 66.7

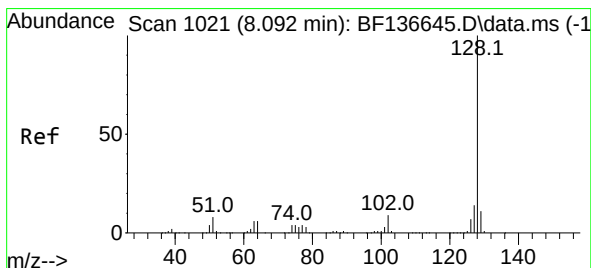
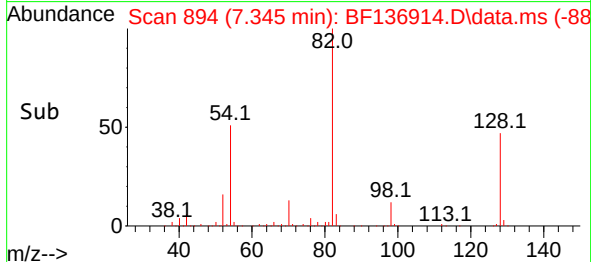
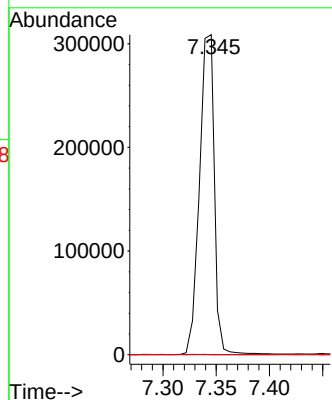
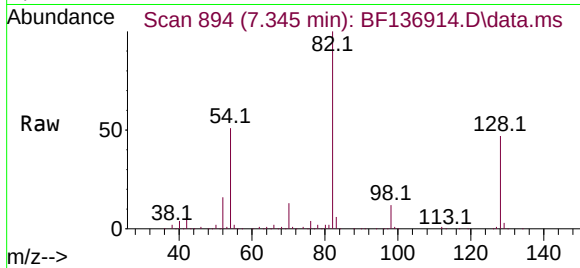




#25  
Isophorone  
Concen: 36.735 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.271 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

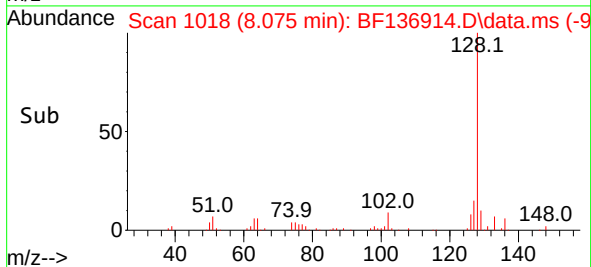
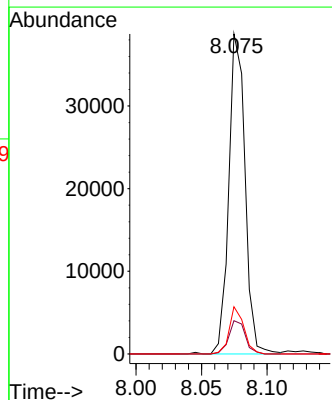
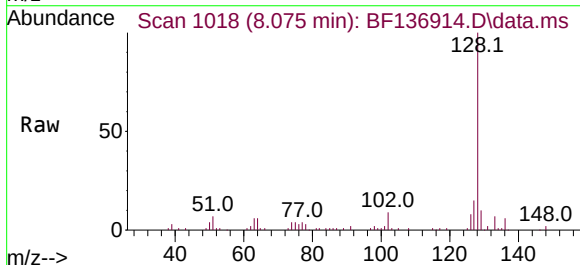
Instrument :  
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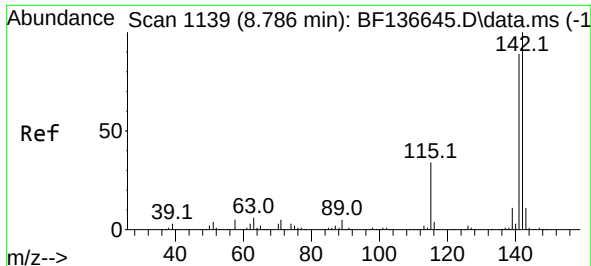
Tgt Ion: 82 Resp: 301444  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 14.5 21.7#



#31  
Naphthalene  
Concen: 2.638 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.018 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion:128 Resp: 33442  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.7 13.1  
127 14.7 10.8 16.2





#37

2-Methylnaphthalene

Concen: 3.329 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.018 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

Instrument :

BNA\_F

ClientSampleId :

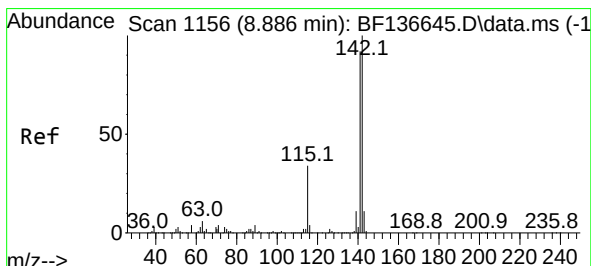
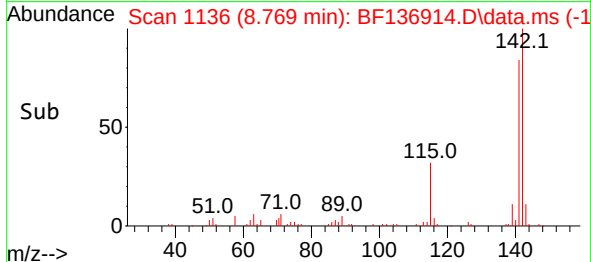
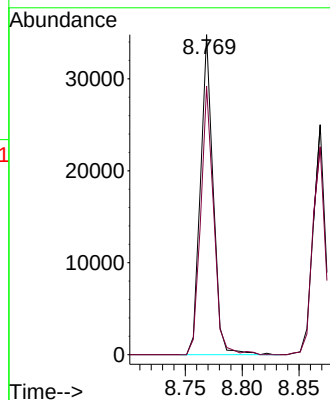
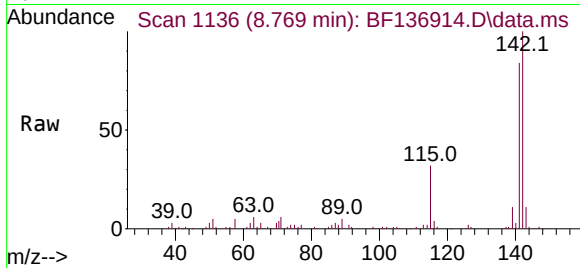
GHL-SS-63

Tgt Ion:142 Resp: 27165

Ion Ratio Lower Upper

142 100

141 83.9 71.1 106.7



#38

1-Methylnaphthalene

Concen: 2.390 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136914.D

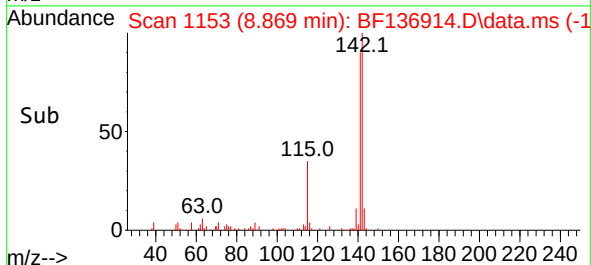
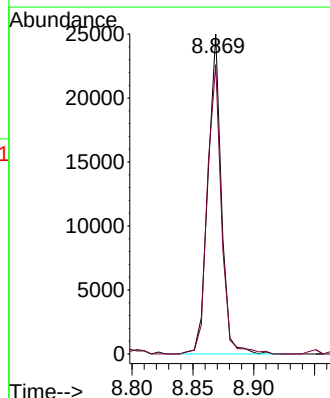
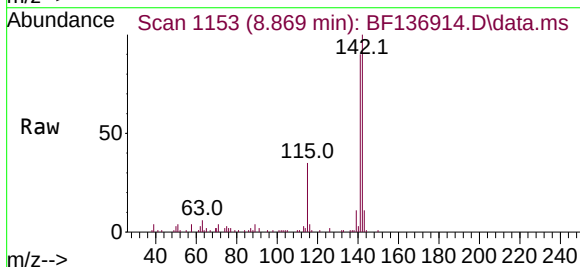
Acq: 03 Jan 2024 18:44

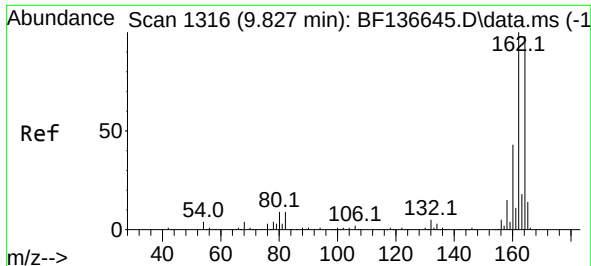
Tgt Ion:142 Resp: 19133

Ion Ratio Lower Upper

142 100

141 90.4 73.6 110.4

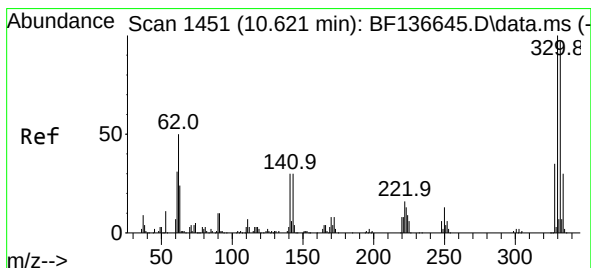
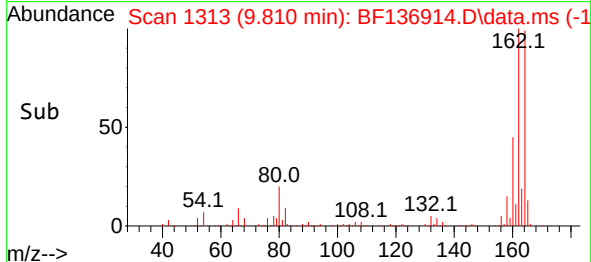
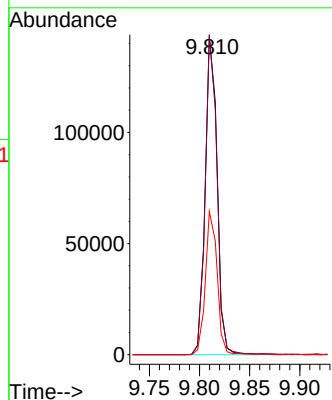
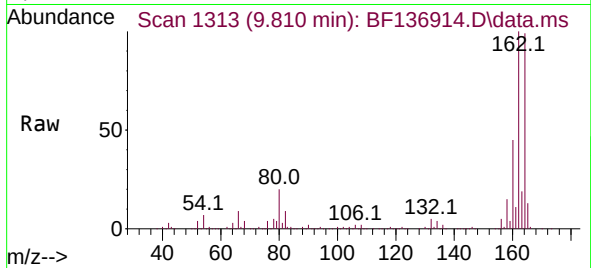




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.018 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

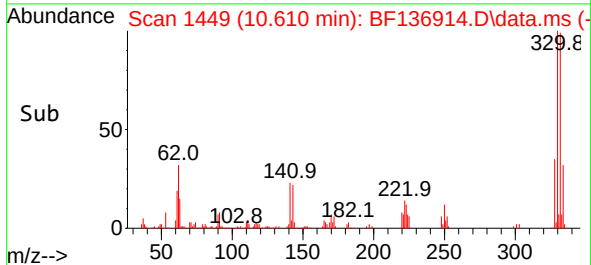
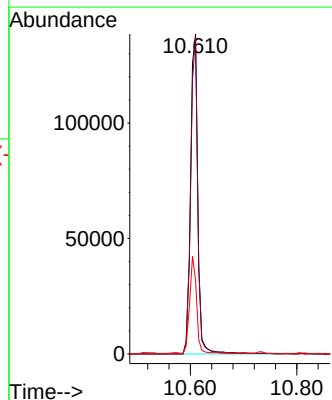
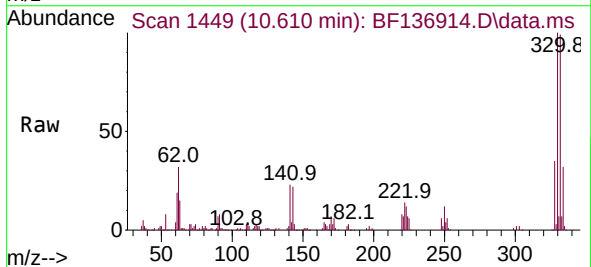
Instrument :  
BNA\_F  
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GHL-SS-63

Tgt Ion:164 Resp: 118856  
Ion Ratio Lower Upper  
164 100  
162 100.6 81.6 122.4  
160 45.0 34.9 52.3

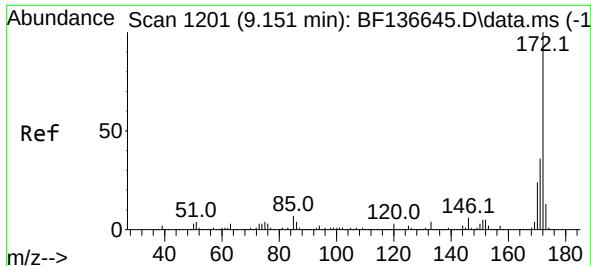


#42  
2,4,6-Tribromophenol  
Concen: 93.523 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion:330 Resp: 130913  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.4 116.0  
141 28.8 23.4 35.2



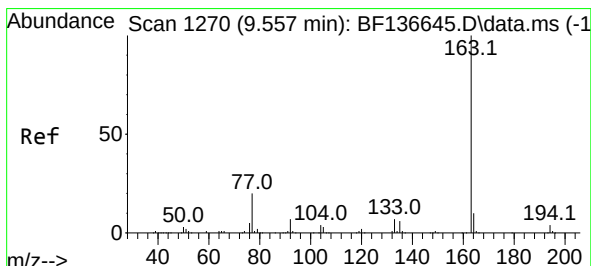
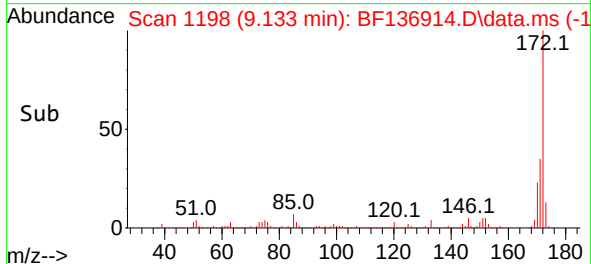
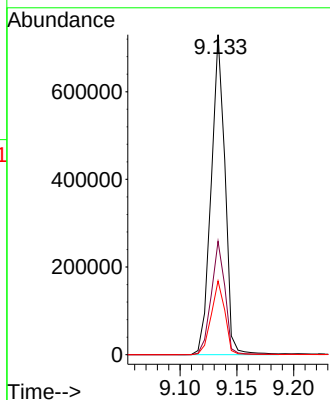
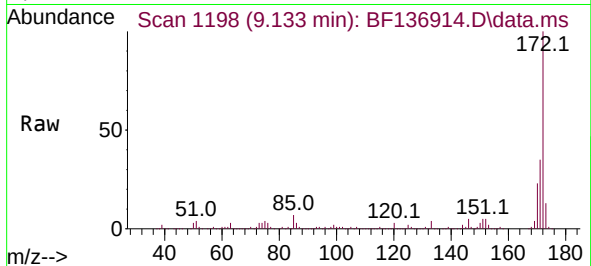




#45  
2-Fluorobiphenyl  
Concen: 69.783 ng  
RT: 9.133 min Scan# 1198  
Delta R.T. -0.018 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

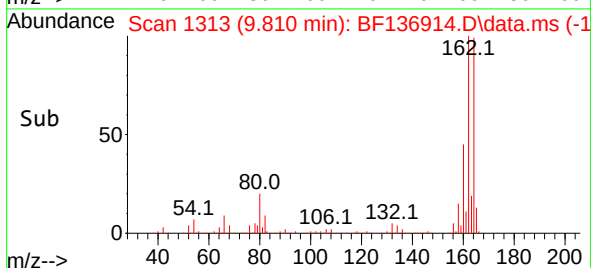
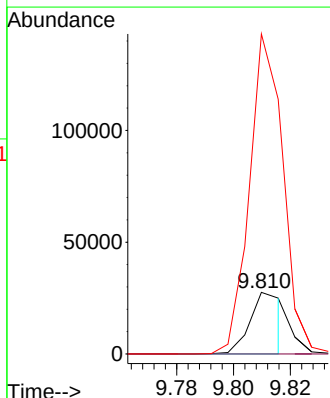
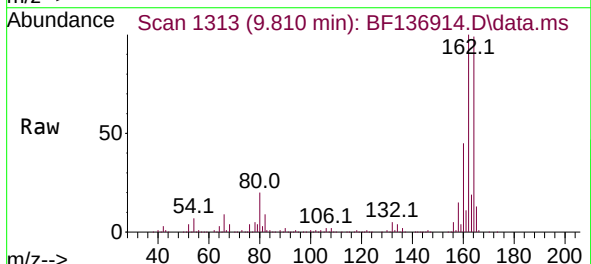
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-63

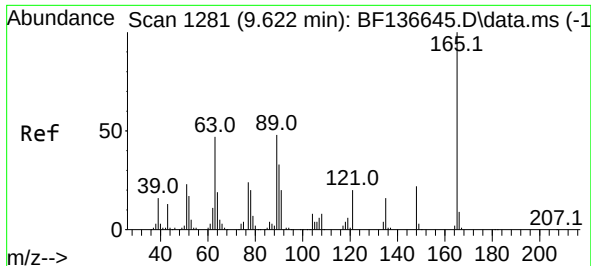
Tgt Ion:172 Resp: 616674  
Ion Ratio Lower Upper  
172 100  
171 35.5 29.0 43.6  
170 23.1 19.0 28.4



#50  
Dimethylphthalate  
Concen: 2.513 ng  
RT: 9.810 min Scan# 1313  
Delta R.T. 0.253 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion:163 Resp: 21813  
Ion Ratio Lower Upper  
163 100  
194 0.0 3.3 4.9#  
164 519.9 7.8 11.6#

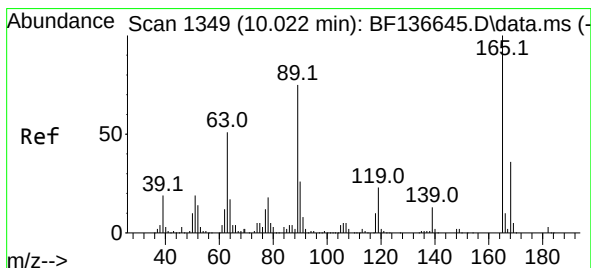
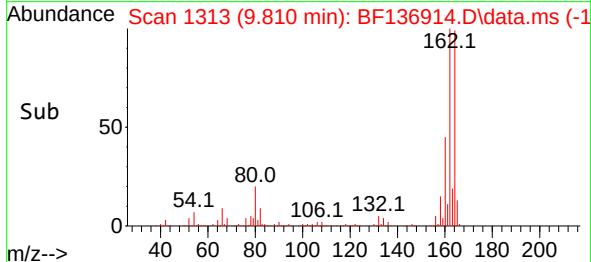
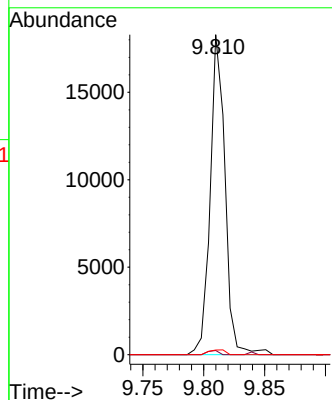
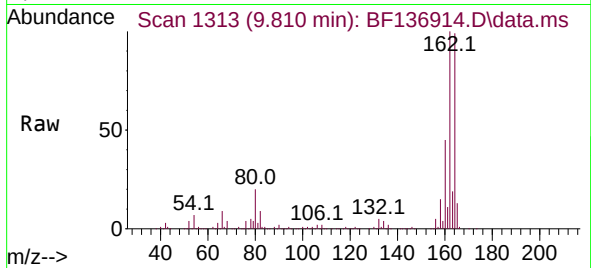




#51  
2,6-Dinitrotoluene  
Concen: 7.847 ng  
RT: 9.810 min Scan# 11  
Delta R.T. 0.188 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

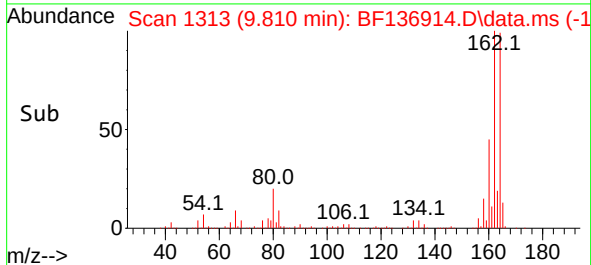
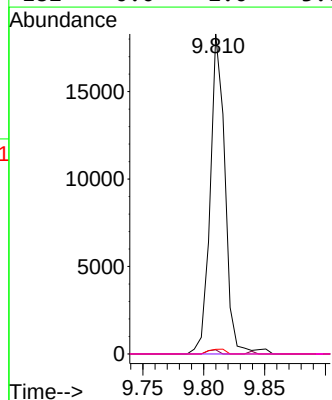
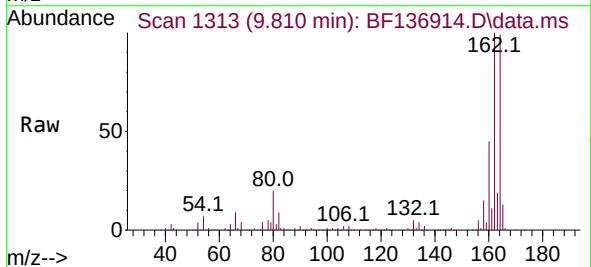
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-63

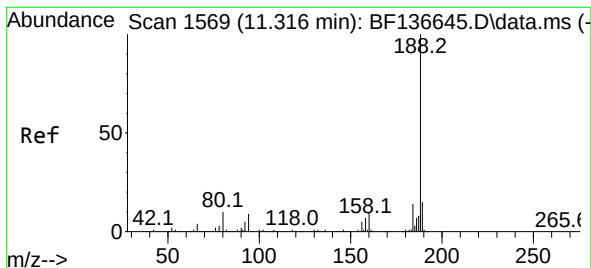
Tgt Ion:165 Resp: 15461  
Ion Ratio Lower Upper  
165 100  
63 1.3 39.8 59.6#  
89 1.4 38.8 58.2#



#57  
2,4-Dinitrotoluene  
Concen: 6.045 ng  
RT: 9.810 min Scan# 1313  
Delta R.T. -0.212 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Tgt Ion:165 Resp: 15461  
Ion Ratio Lower Upper  
165 100  
63 1.3 41.0 61.6#  
89 1.4 59.9 89.9#  
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-63

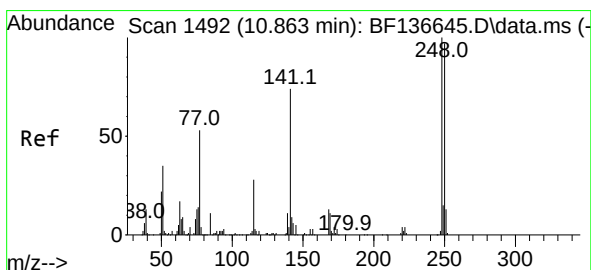
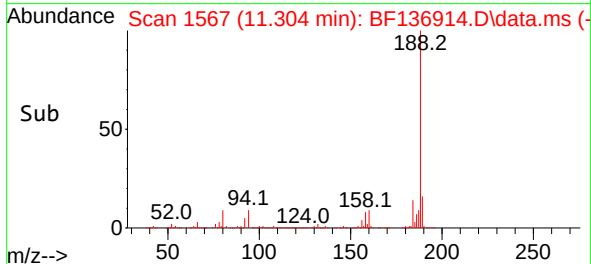
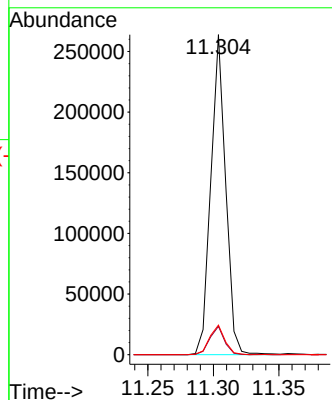
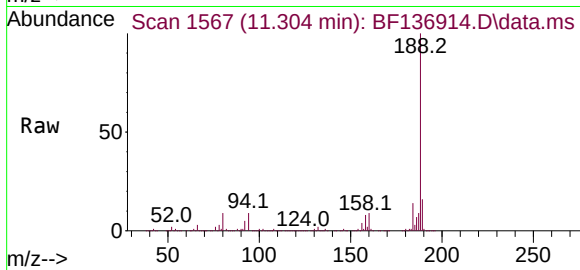
Tgt Ion:188 Resp: 208246

Ion Ratio Lower Upper

188 100

94 8.8 7.5 11.3

80 9.2 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.399 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

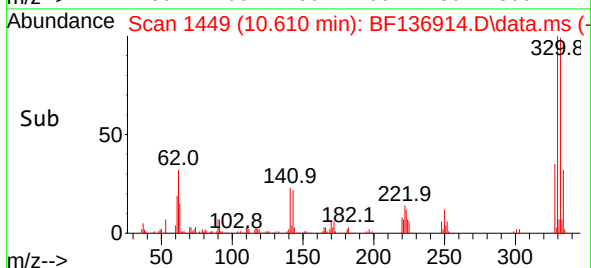
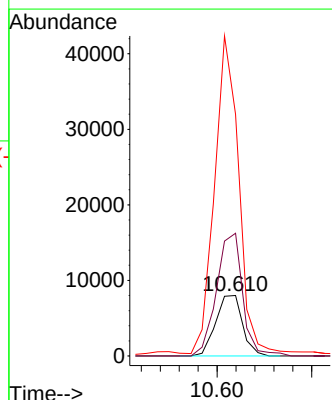
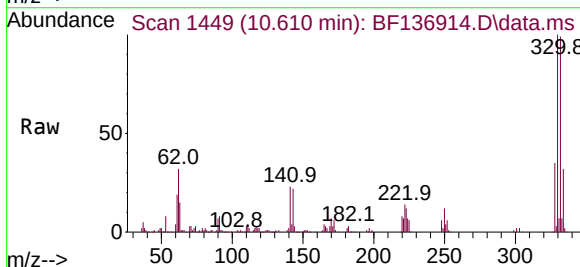
Tgt Ion:248 Resp: 7862

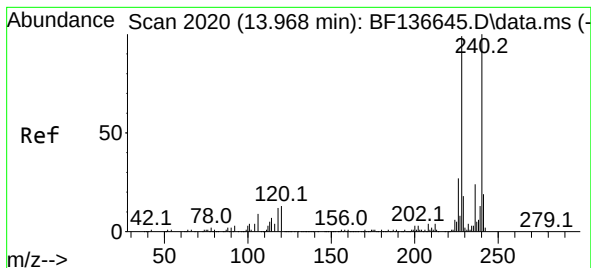
Ion Ratio Lower Upper

248 100

250 202.6 77.8 116.6#

141 399.0 59.2 88.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-63

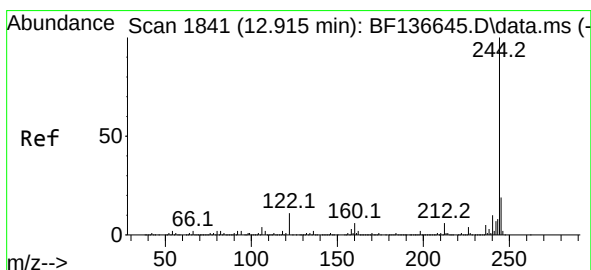
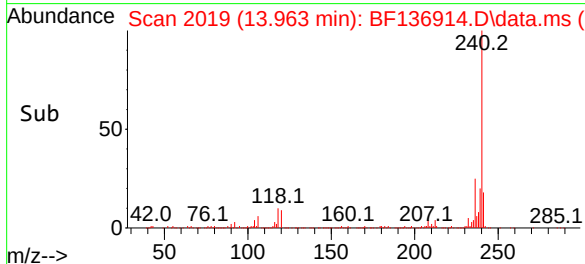
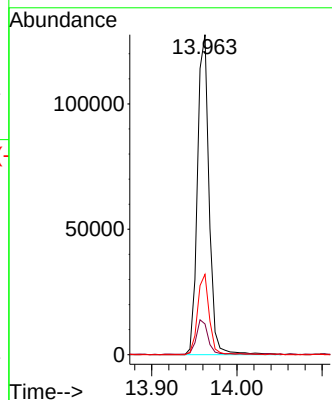
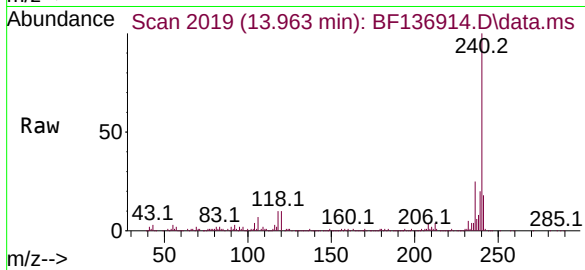
Tgt Ion:240 Resp: 121379

Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 25.1 19.4 29.2



#79

Terphenyl-d14

Concen: 58.394 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

Lab File: BF136914.D

Acq: 03 Jan 2024 18:44

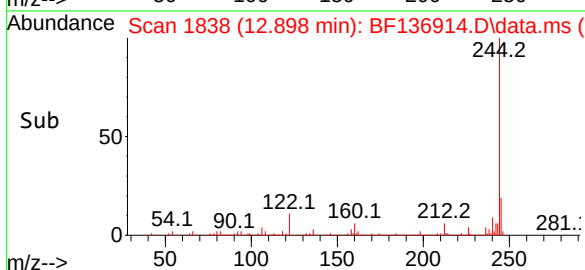
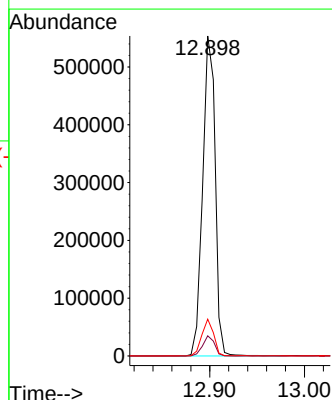
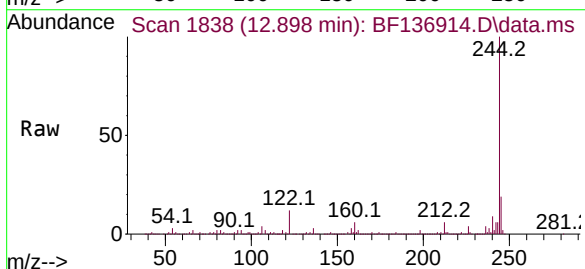
Tgt Ion:244 Resp: 507188

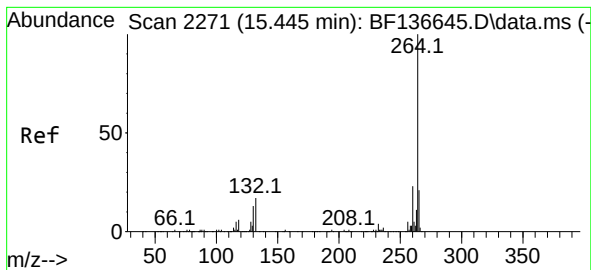
Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

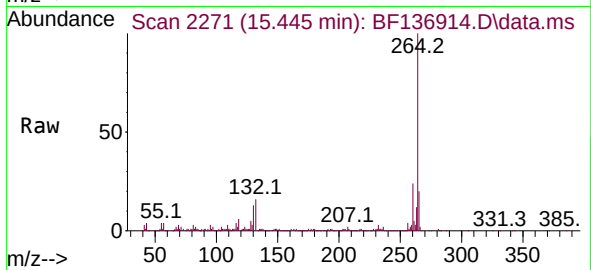
122 11.5 9.0 13.4





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF136914.D  
Acq: 03 Jan 2024 18:44

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-63



Tgt Ion:264 Resp: 140198  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.3 27.5  
265 20.2 17.0 25.6

