

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122724\  
 Data File : BF140996.D  
 Acq On : 27 Dec 2024 15:00  
 Operator : RC/JU  
 Sample : P5299-04  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

Quant Time: Dec 27 15:25:39 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

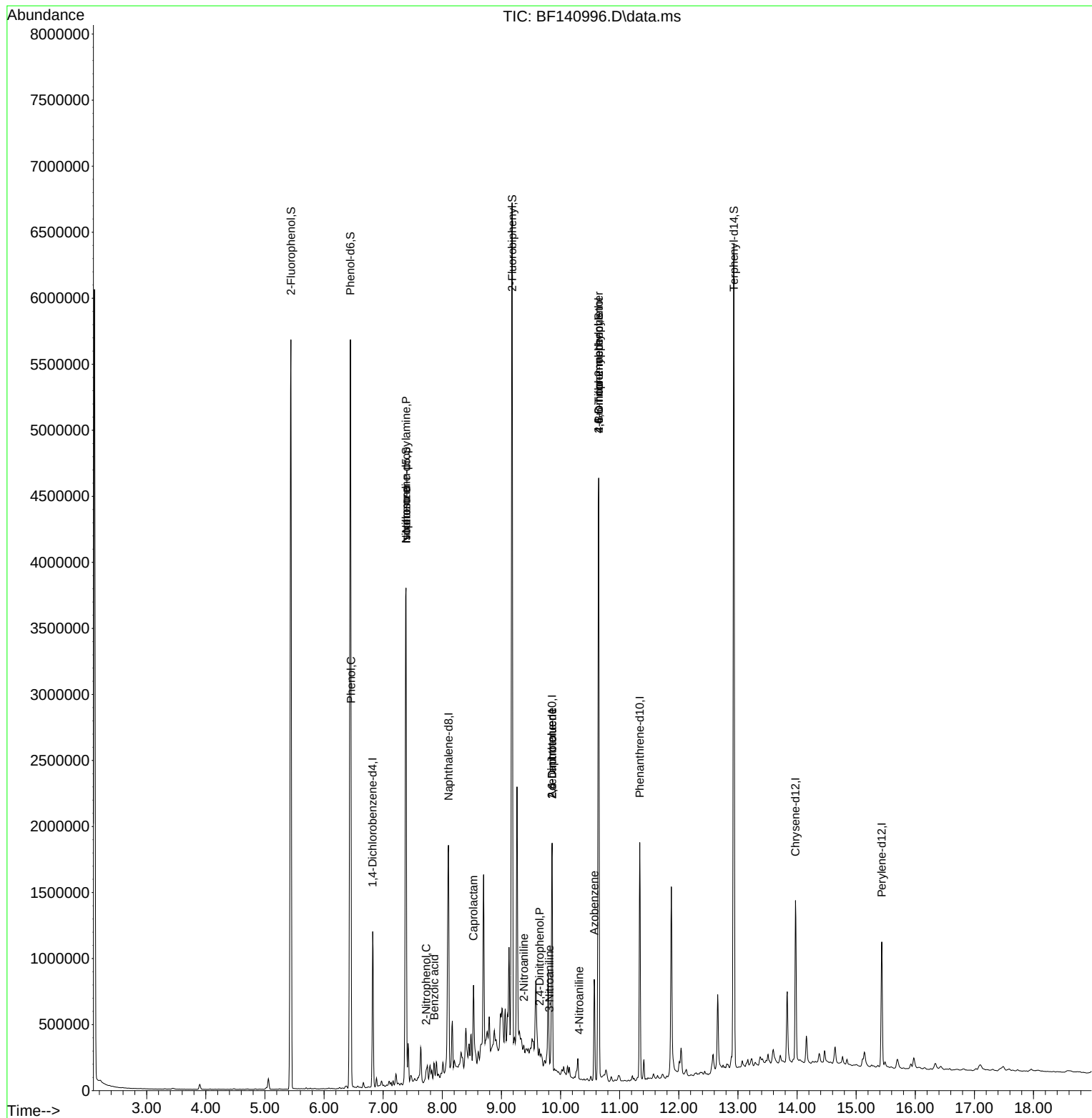
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 239225   | 20.000    | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 933657   | 20.000    | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 501639   | 20.000    | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 863212   | 20.000    | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 557903   | 20.000    | ng    | -0.01    |
| 86) Perylene-d12              | 15.433 | 264  | 525276   | 20.000    | ng    | -0.01    |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 2344195  | 147.710   | ng    | 0.00     |
| 7) Phenol-d6                  | 6.446  | 99   | 3021499  | 147.792   | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 1830138  | 125.408   | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 849294   | 174.234   | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 2894268  | 91.924    | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 3171421  | 94.420    | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.369  | 77   | 1129     | Below Cal |       | 94       |
| 10) Phenol                    | 6.457  | 94   | 42714    | 2.021 ng  | #     | 1        |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 252107   | 20.129 ng | #     | 79       |
| 25) Isophorone                | 7.387  | 82   | 1809848  | 56.992 ng | #     | 65       |
| 26) 2-Nitrophenol             | 7.728  | 139  | 774      | 5.404 ng  | #     | 1        |
| 32) Benzoic acid              | 7.863  | 122  | 275      | 7.717 ng  | #     | 1        |
| 35) Caprolactam               | 8.528  | 113  | 17750    | 3.967 ng  | #     | 1        |
| 48) 2-Nitroaniline            | 9.381  | 65   | 311      | 4.680 ng  | #     | 61       |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 66912    | 12.841 ng | #     | 23       |
| 53) 3-Nitroaniline            | 9.810  | 138  | 245      | 3.296 ng  | #     | 23       |
| 54) 2,4-Dinitrophenol         | 9.645  | 184  | 141      | 6.266 ng  | #     | 43       |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 66839    | 11.856 ng | #     | 21       |
| 62) 4-Nitroaniline            | 10.316 | 138  | 63       | 3.354 ng  | #     | 84       |
| 63) Azobenzene                | 10.569 | 77   | 197067   | 5.764 ng  | #     | 1        |
| 65) 4,6-Dinitro-2-methylph... | 10.645 | 198  | 1883     | 9.784 ng  | #     | 1        |
| 67) 4-Bromophenyl-phenylether | 10.645 | 248  | 53843    | 5.770 ng  | #     | 1        |

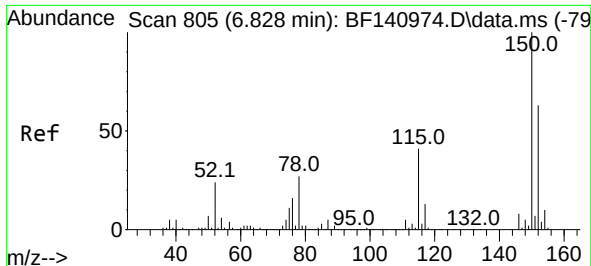
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122724\  
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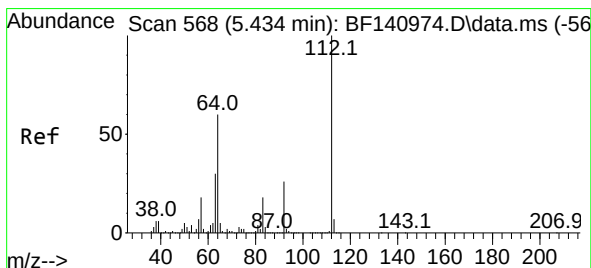
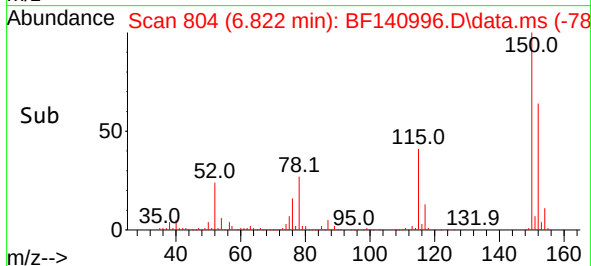
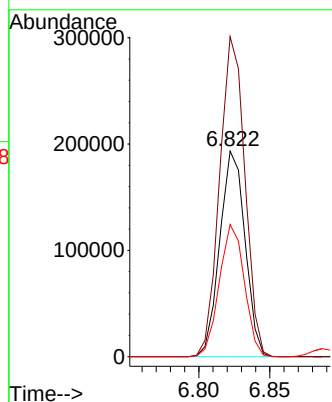
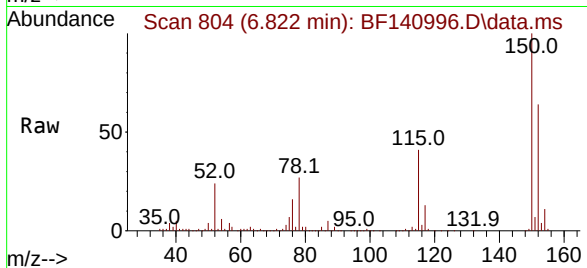




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.822 min Scan# 805  
 Delta R.T. -0.006 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

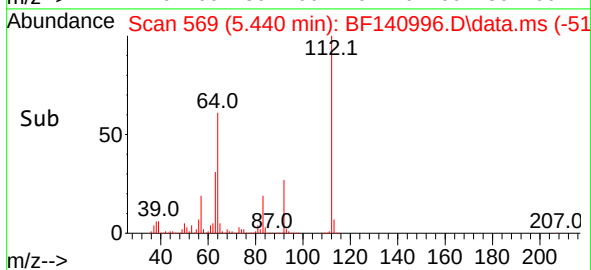
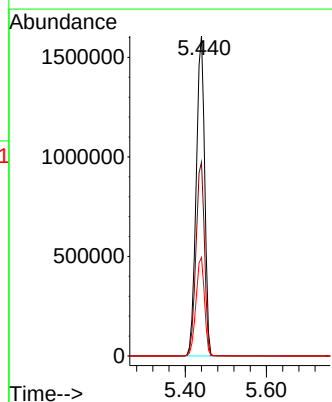
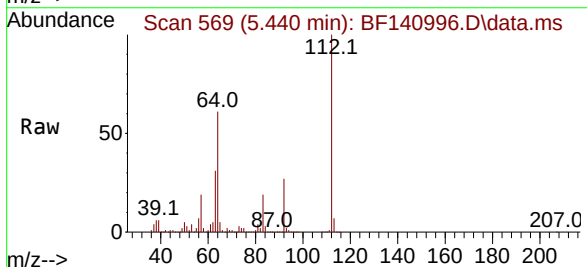
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

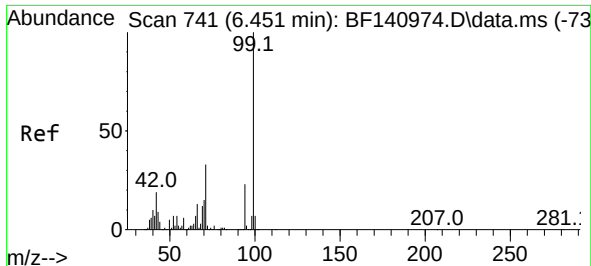
Tgt Ion:152 Resp: 239225  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 127.0 190.6  
 115 64.3 51.7 77.5



#5  
 2-Fluorophenol  
 Concen: 147.710 ng  
 RT: 5.440 min Scan# 569  
 Delta R.T. 0.006 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

Tgt Ion:112 Resp: 2344195  
 Ion Ratio Lower Upper  
 112 100  
 64 60.6 47.7 71.5  
 63 30.8 24.2 36.2

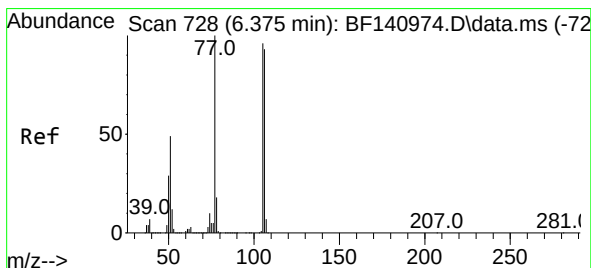
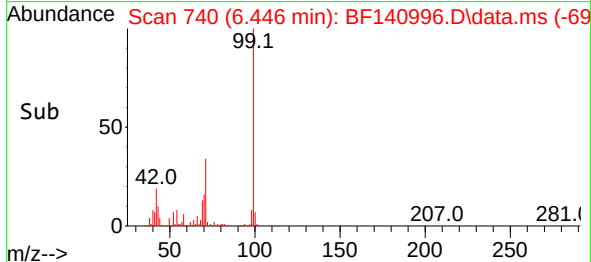
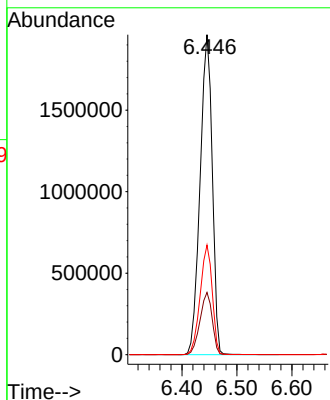
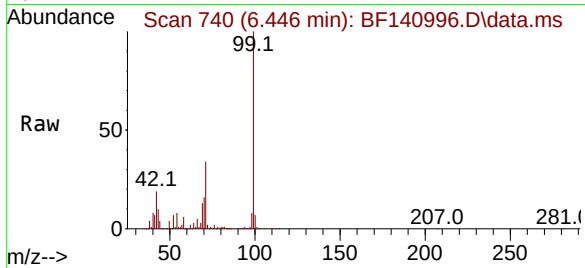




#7  
Phenol-d6  
Concen: 147.792 ng  
RT: 6.446 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

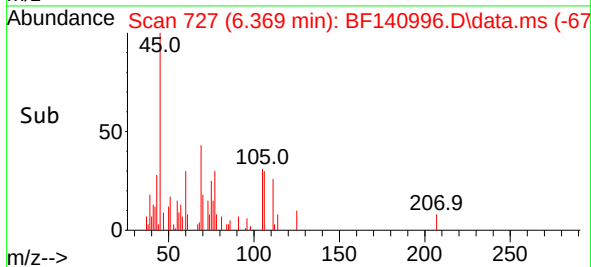
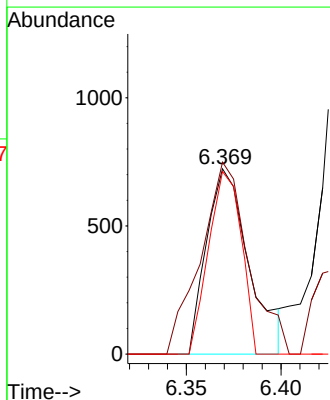
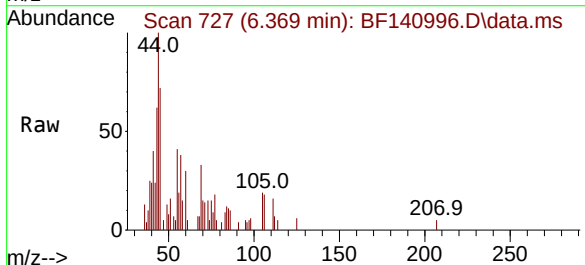
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

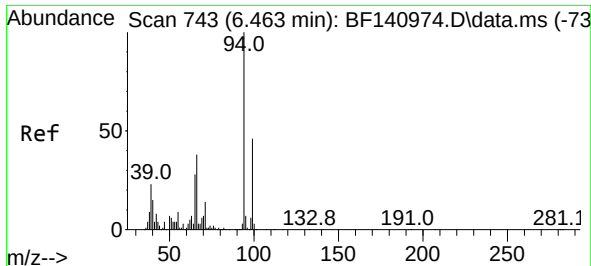
Tgt Ion: 99 Resp: 3021499  
Ion Ratio Lower Upper  
99 100  
42 19.4 15.0 22.4  
71 34.2 26.2 39.2



#9  
Benzaldehyde  
Concen: Below Cal  
RT: 6.369 min Scan# 727  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion: 77 Resp: 1129  
Ion Ratio Lower Upper  
77 100  
105 103.6 76.2 116.2  
106 98.5 73.4 113.4

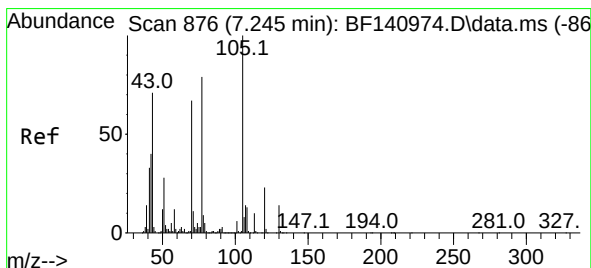
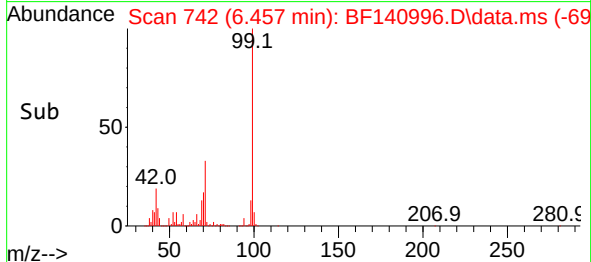
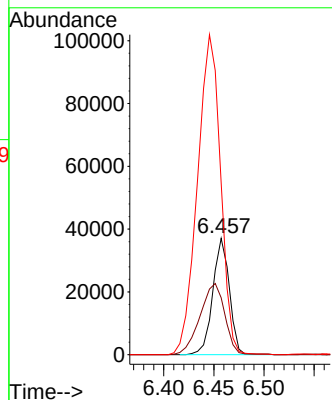
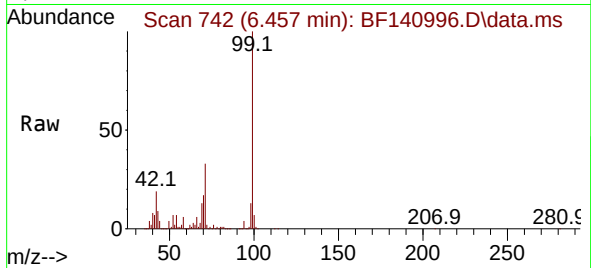




#10  
Phenol  
Concen: 2.021 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

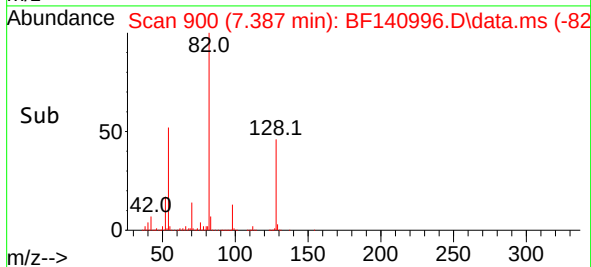
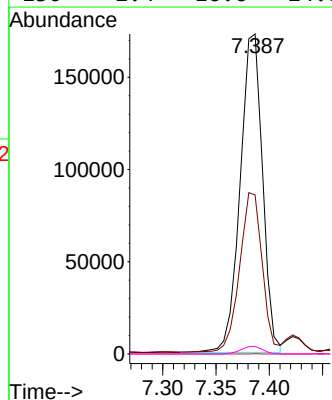
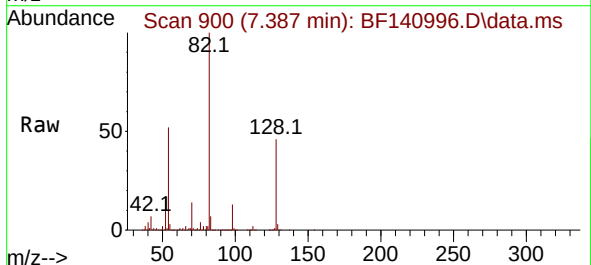
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

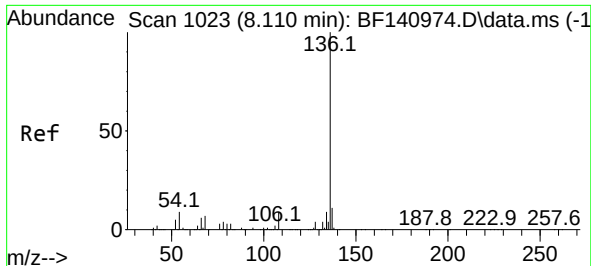
Tgt Ion: 94 Resp: 42714  
Ion Ratio Lower Upper  
94 100  
65 49.0 8.1 48.1#  
66 147.8 18.7 58.7#



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.129 ng  
RT: 7.387 min Scan# 900  
Delta R.T. 0.141 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion: 70 Resp: 252107  
Ion Ratio Lower Upper  
70 100  
42 49.7 48.1 72.1  
101 0.1 7.6 11.4#  
130 2.4 16.6 24.8#



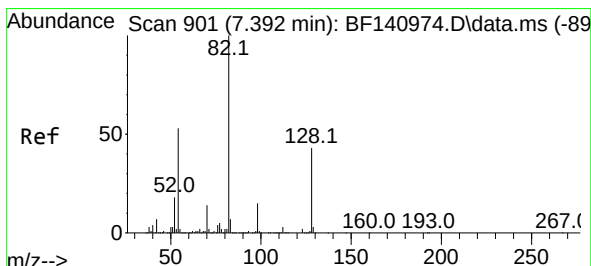
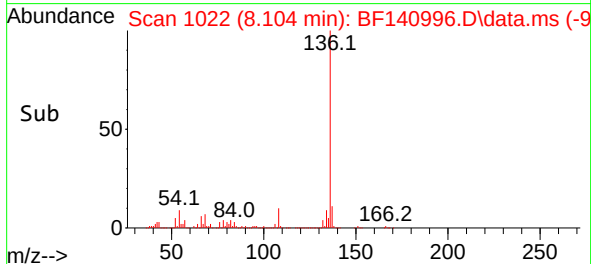
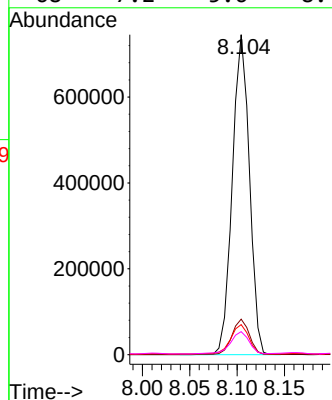
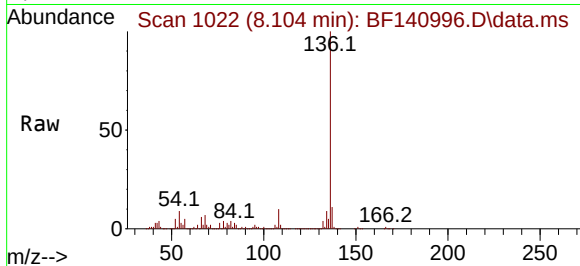


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

Tgt Ion:136 Resp: 933657

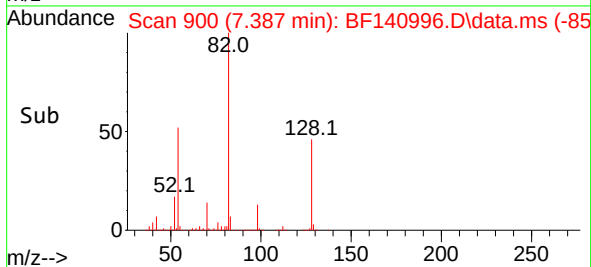
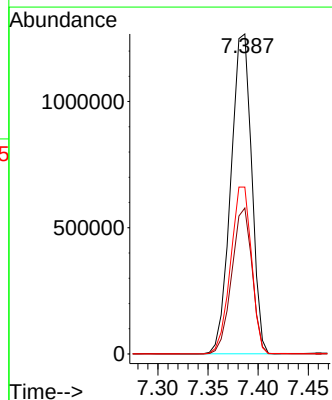
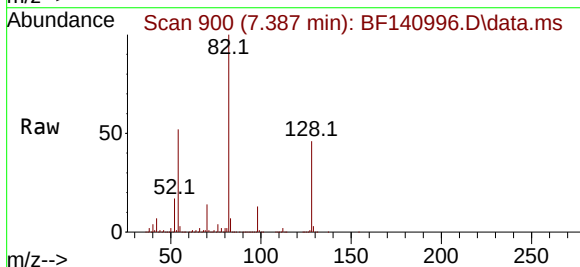
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.0   | 13.4  |
| 54  | 9.4   | 7.6   | 11.4  |
| 68  | 7.2   | 5.6   | 8.4   |

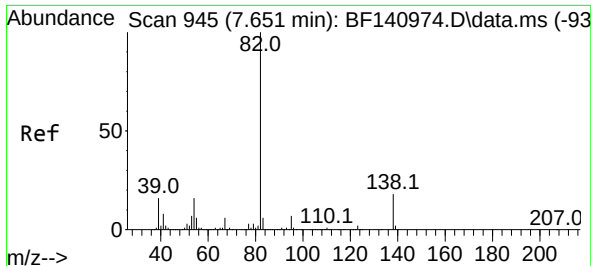


#23  
Nitrobenzene-d5  
Concen: 125.408 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion: 82 Resp: 1830138

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.6  | 34.4  | 51.6  |
| 54  | 52.2  | 42.4  | 63.6  |

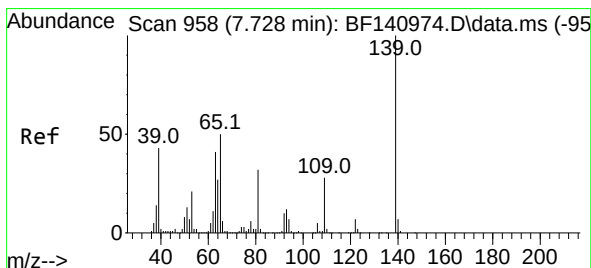
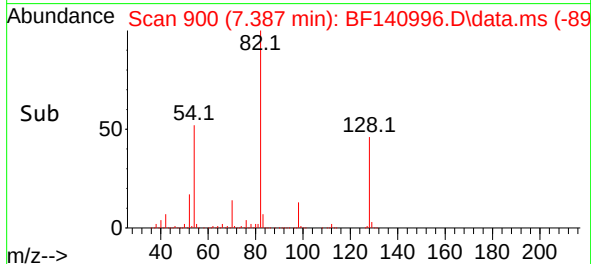
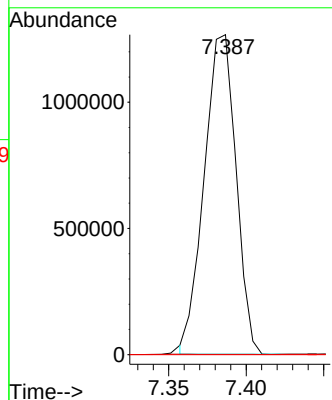
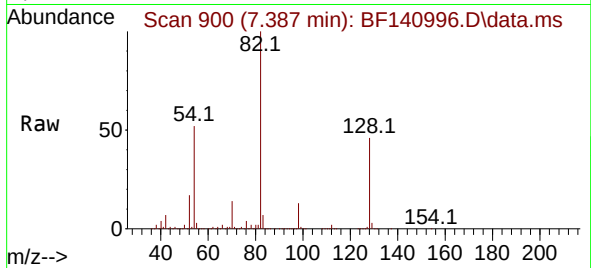




#25  
Isophorone  
Concen: 56.992 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.265 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

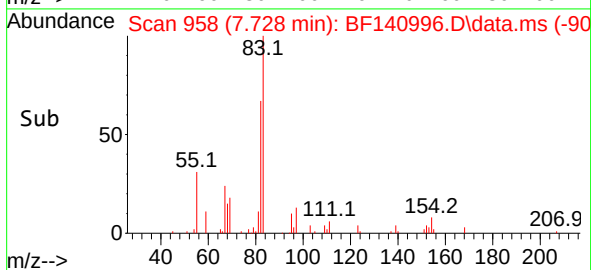
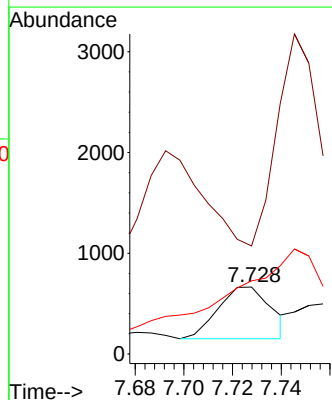
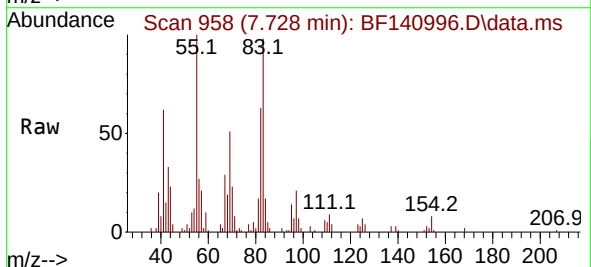
Instrument :  
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ClientSampleId :  
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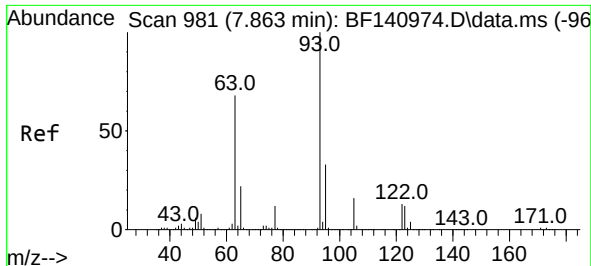
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Ion Ratio Lower Upper  
82 100  
95 0.1 5.6 8.4#  
138 0.0 14.6 21.8#



#26  
2-Nitrophenol  
Concen: 5.404 ng  
RT: 7.728 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion:139 Resp: 774  
Ion Ratio Lower Upper  
139 100  
109 161.4 22.2 33.4#  
65 109.3 40.2 60.4#

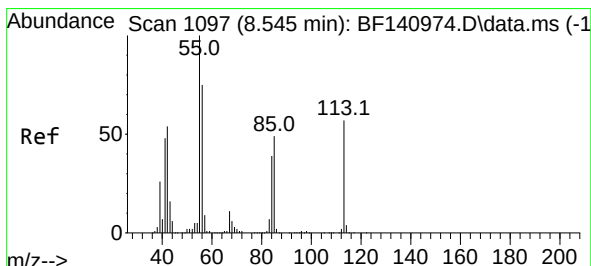
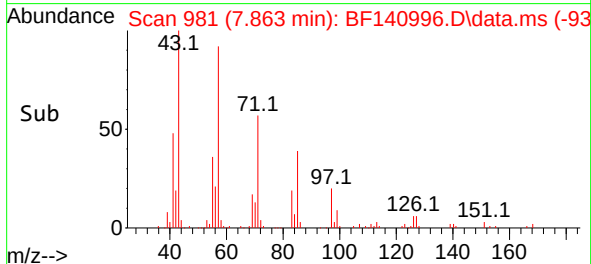
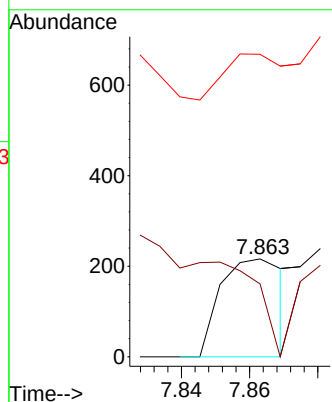
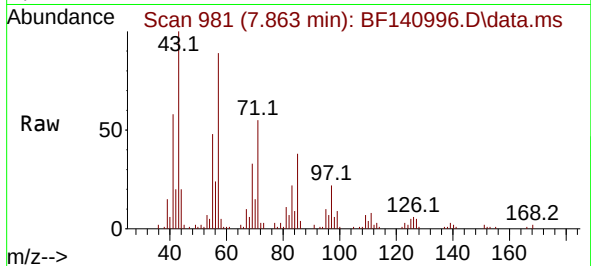




#32  
Benzoic acid  
Concen: 7.717 ng  
RT: 7.863 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

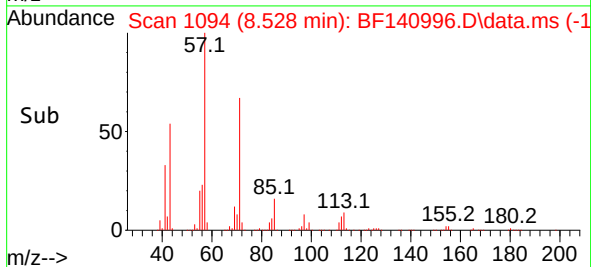
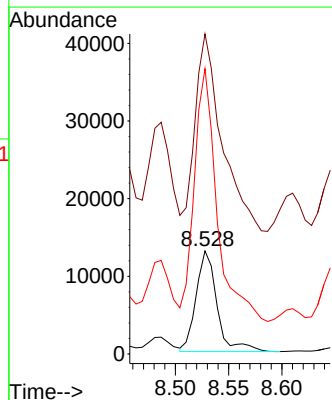
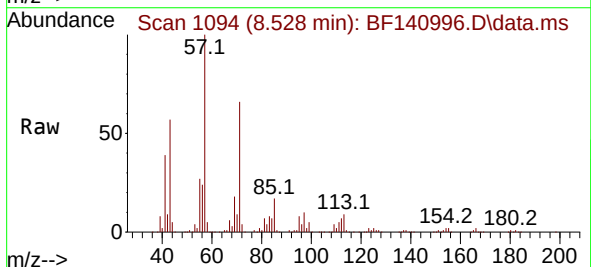
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

Tgt Ion:122 Resp: 275  
Ion Ratio Lower Upper  
122 100  
105 74.5 105.4 145.4#  
77 309.3 76.4 116.4#

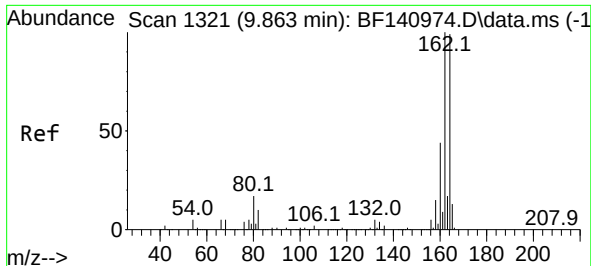


#35  
Caprolactam  
Concen: 3.967 ng  
RT: 8.528 min Scan# 1094  
Delta R.T. -0.018 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion:113 Resp: 17750  
Ion Ratio Lower Upper  
113 100  
55 310.4 156.6 196.6#  
56 276.8 111.7 151.7#







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

BNA\_F

ClientSampleId :

SB-02

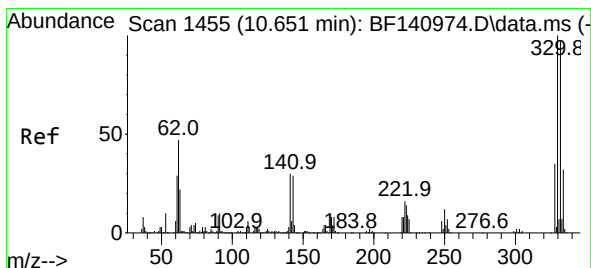
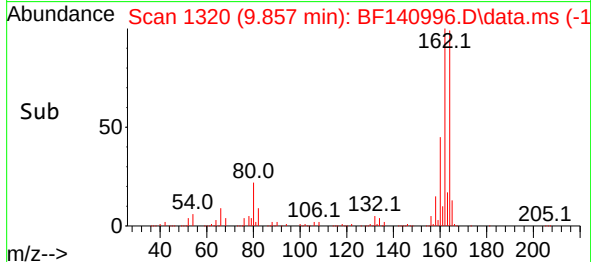
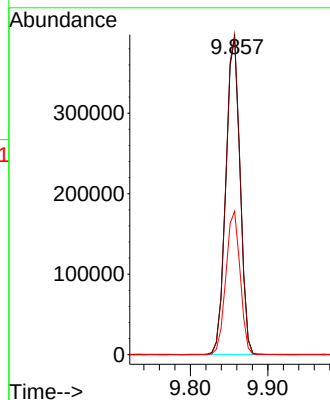
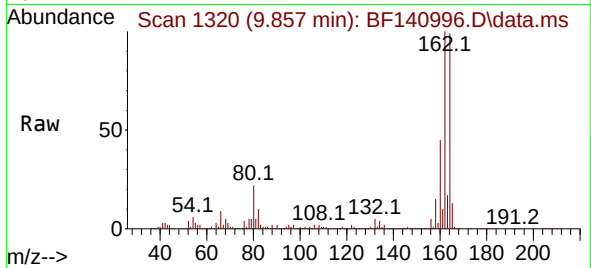
Tgt Ion:164 Resp: 501639

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

160 45.3 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 174.234 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

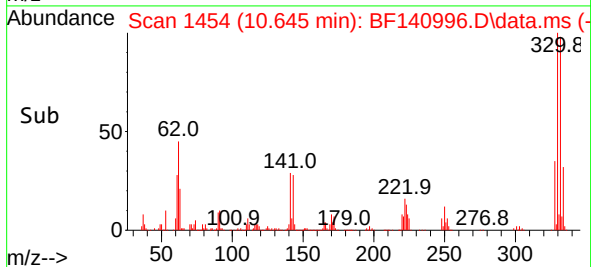
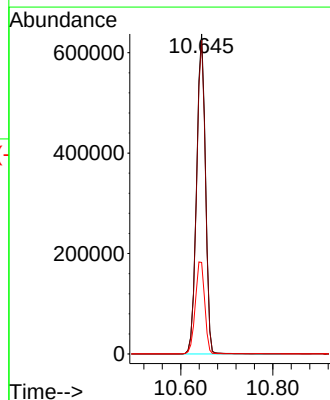
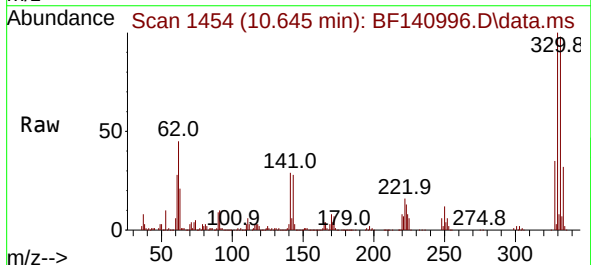
Tgt Ion:330 Resp: 849294

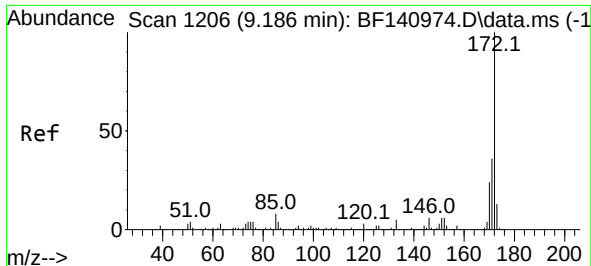
Ion Ratio Lower Upper

330 100

332 97.8 78.0 117.0

141 30.4 26.4 39.6

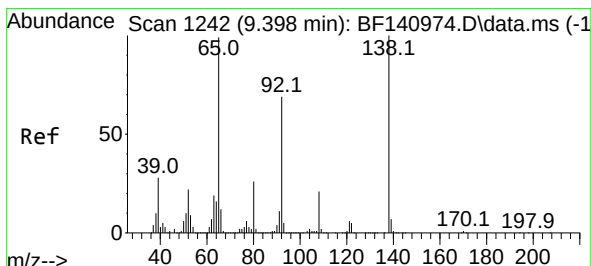
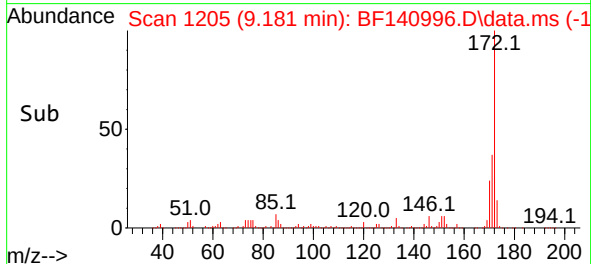
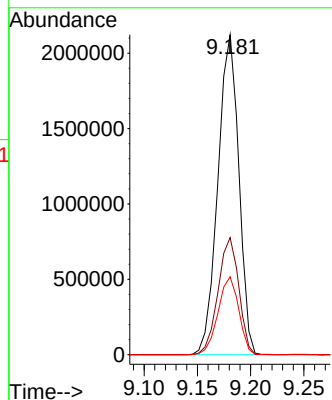
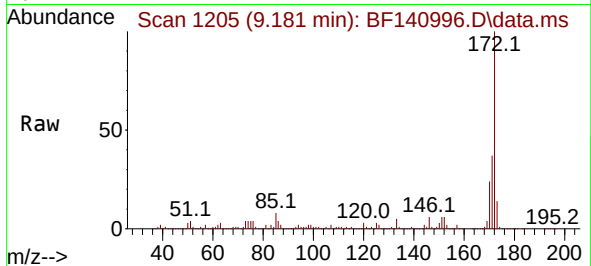




#45  
2-Fluorobiphenyl  
Concen: 91.924 ng  
RT: 9.181 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

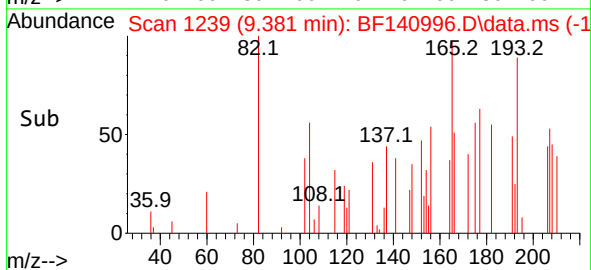
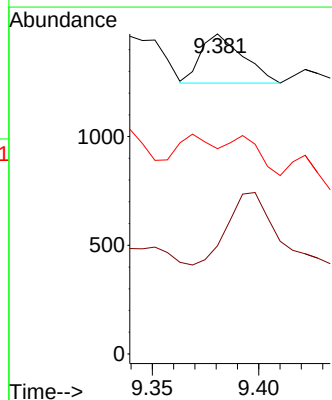
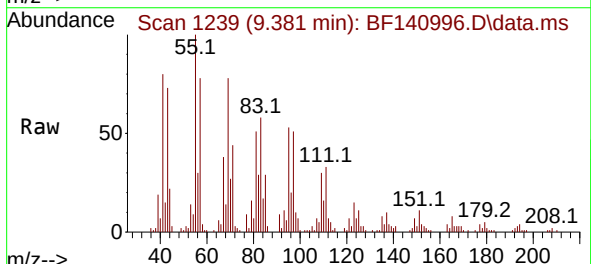
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

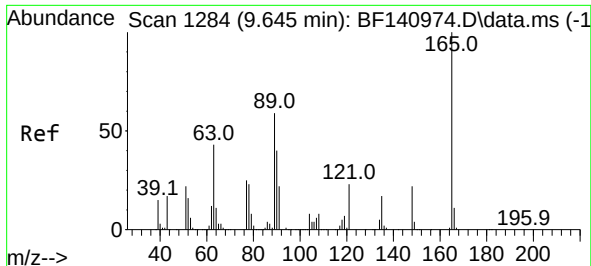
Tgt Ion:172 Resp: 2894268  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.0 43.4  
170 24.3 19.6 29.4



#48  
2-Nitroaniline  
Concen: 4.680 ng  
RT: 9.381 min Scan# 1239  
Delta R.T. -0.017 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion: 65 Resp: 311  
Ion Ratio Lower Upper  
65 100  
92 33.8 55.6 83.4#  
138 64.1 80.5 120.7#

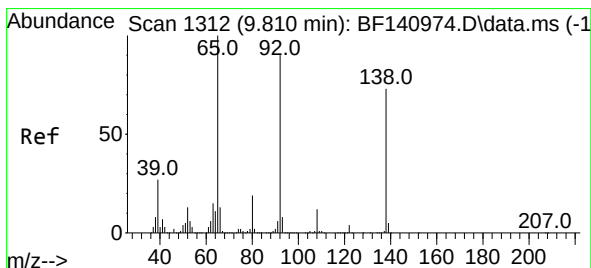
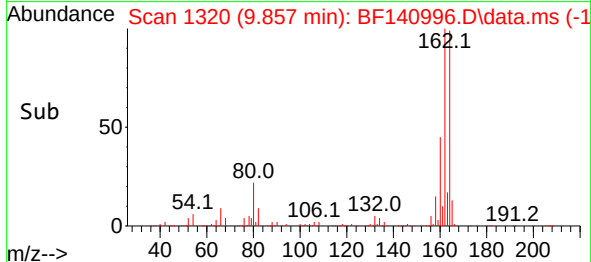
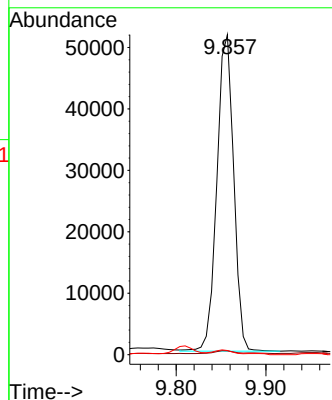
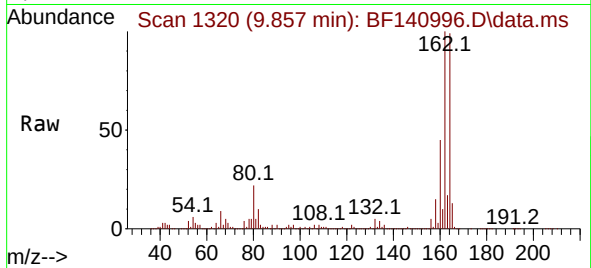




#51  
2,6-Dinitrotoluene  
Concen: 12.841 ng  
RT: 9.857 min Scan# 11  
Delta R.T. 0.212 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

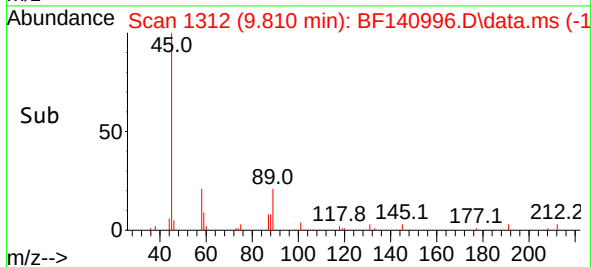
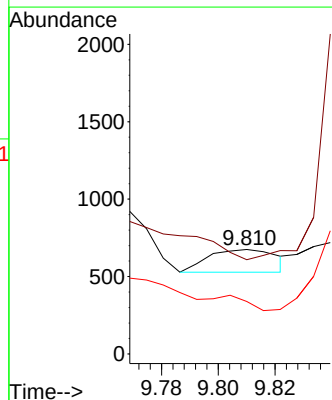
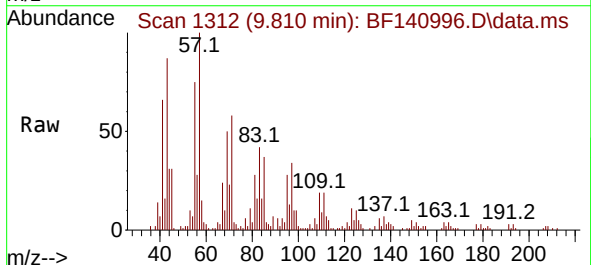
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

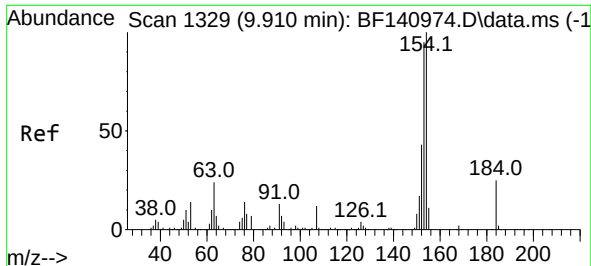
Tgt Ion:165 Resp: 66912  
Ion Ratio Lower Upper  
165 100  
63 1.2 47.1 70.7#  
89 1.3 47.0 70.4#



#53  
3-Nitroaniline  
Concen: 3.296 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion:138 Resp: 245  
Ion Ratio Lower Upper  
138 100  
108 90.2 13.5 20.3#  
92 50.2 97.7 146.5#

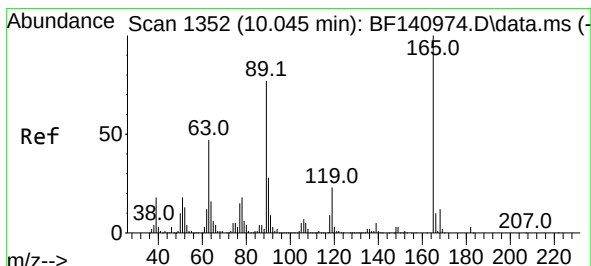
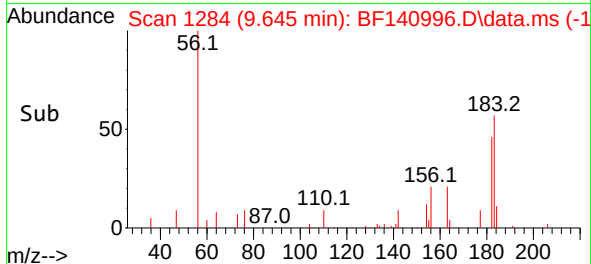
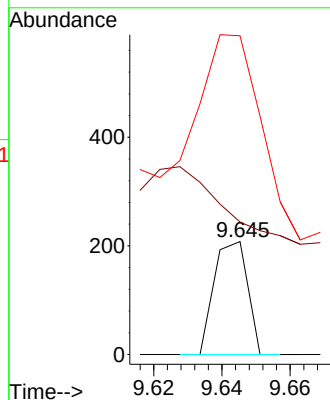
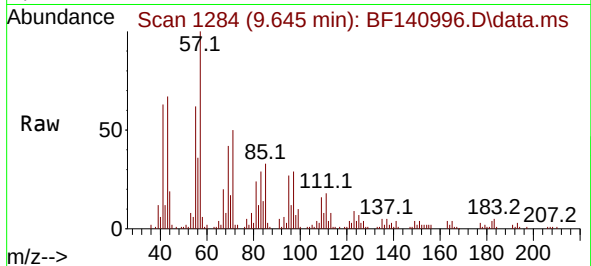




#54  
 2,4-Dinitrophenol  
 Concen: 6.266 ng  
 RT: 9.645 min Scan# 11  
 Delta R.T. -0.265 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

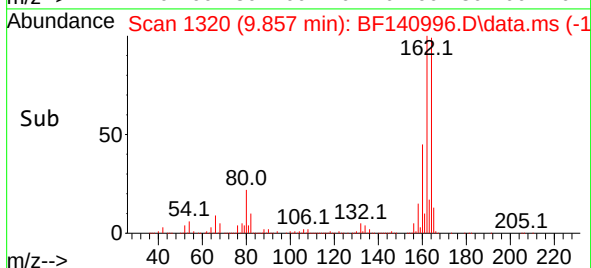
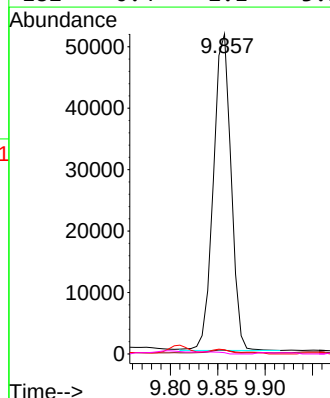
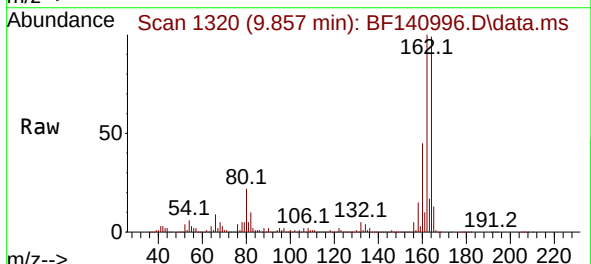
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

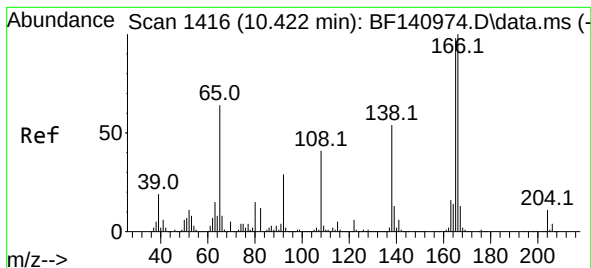
|             |       |              |
|-------------|-------|--------------|
| Tgt Ion:184 | Resp: | 141          |
| Ion         | Ratio | Lower Upper  |
| 184         | 100   |              |
| 63          | 117.3 | 81.6 122.4   |
| 154         | 282.2 | 363.5 545.3# |



#57  
 2,4-Dinitrotoluene  
 Concen: 11.856 ng  
 RT: 9.857 min Scan# 1320  
 Delta R.T. -0.188 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 66839       |
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 1.2   | 38.1 57.1#  |
| 89          | 1.3   | 61.4 92.2#  |
| 182         | 0.4   | 2.1 3.1#    |

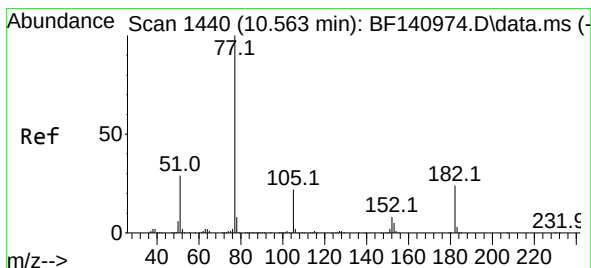
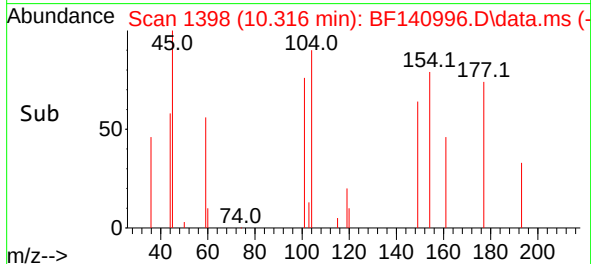
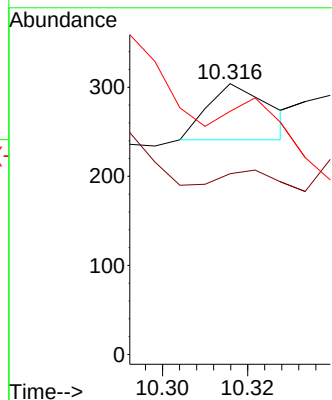
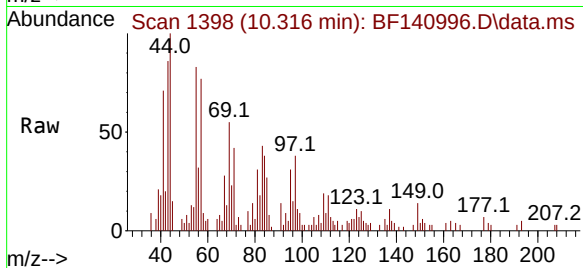




#62  
4-Nitroaniline  
Concen: 3.354 ng  
RT: 10.316 min Scan# 11  
Delta R.T. -0.106 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

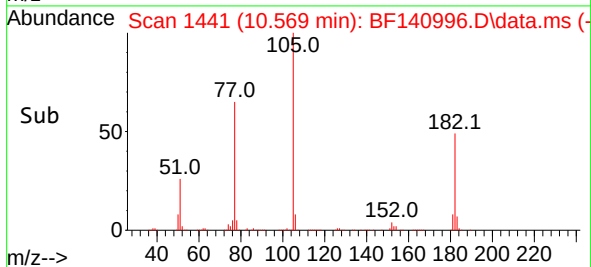
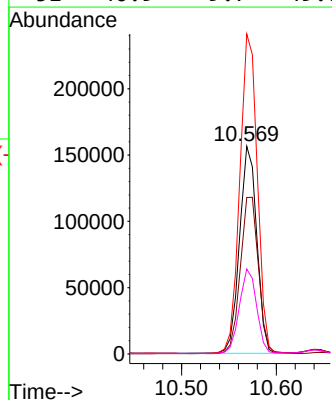
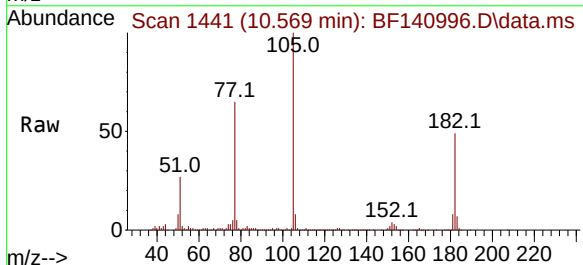
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

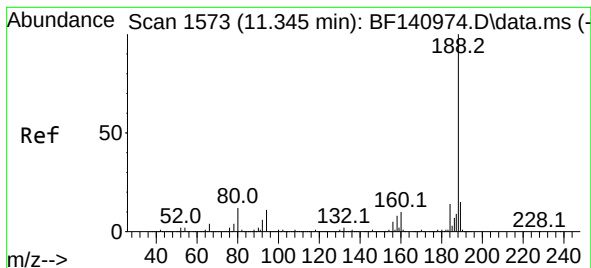
Tgt Ion:138 Resp: 63  
Ion Ratio Lower Upper  
138 100  
92 66.8 34.8 74.8  
108 89.8 55.9 95.9



#63  
Azobenzene  
Concen: 5.764 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. 0.006 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion: 77 Resp: 197067  
Ion Ratio Lower Upper  
77 100  
182 75.4 4.1 44.1#  
105 154.1 1.8 41.8#  
51 40.9 9.7 49.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

Instrument :

BNA\_F

ClientSampleId :

SB-02

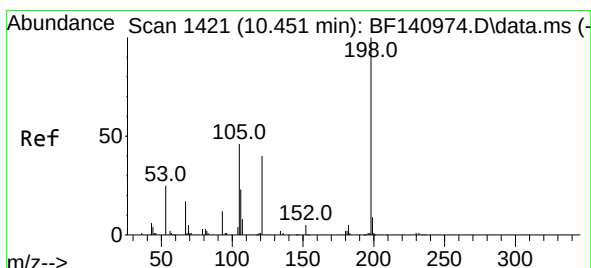
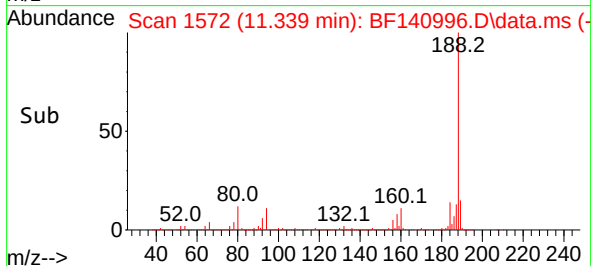
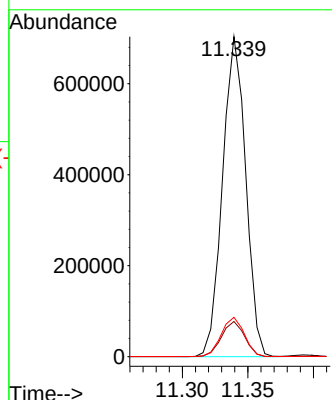
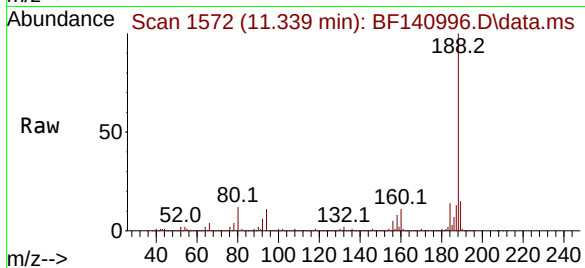
Tgt Ion:188 Resp: 863212

Ion Ratio Lower Upper

188 100

94 11.0 9.0 13.6

80 12.3 9.8 14.6



#65

4,6-Dinitro-2-methylphenol

Concen: 9.784 ng

RT: 10.645 min Scan# 1454

Delta R.T. 0.194 min

Lab File: BF140996.D

Acq: 27 Dec 2024 15:00

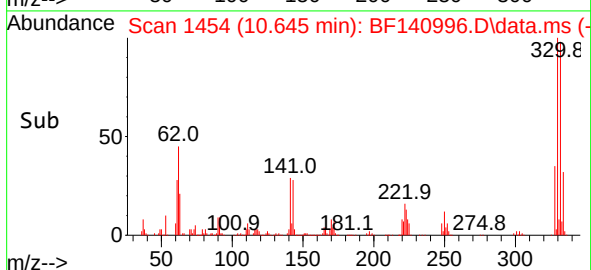
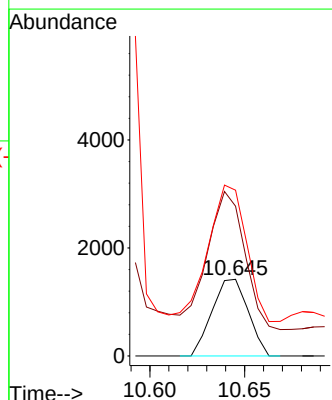
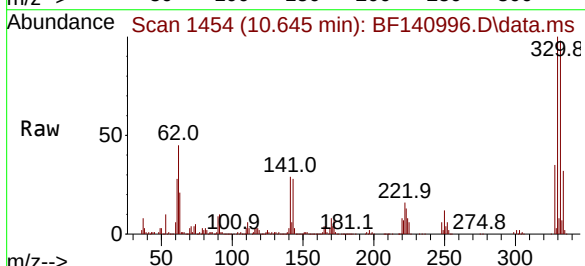
Tgt Ion:198 Resp: 1883

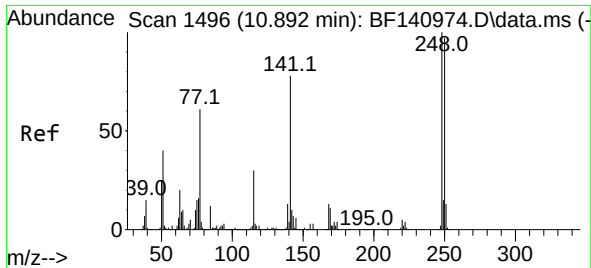
Ion Ratio Lower Upper

198 100

51 195.3 32.3 72.3#

105 216.3 28.4 68.4#

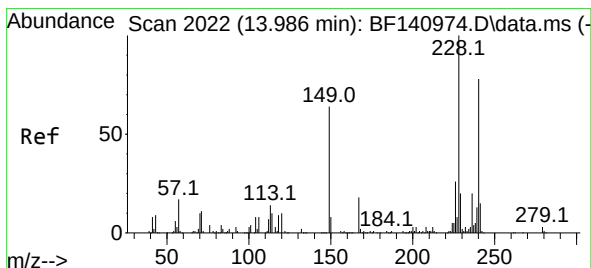
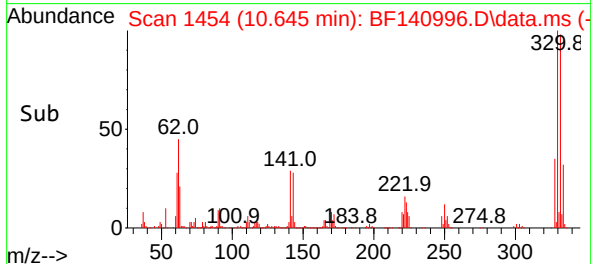
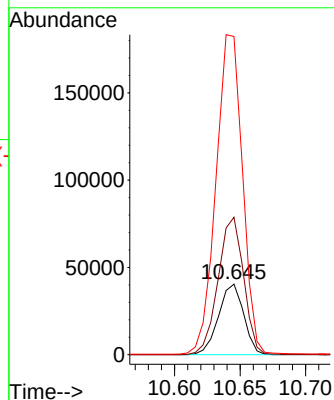
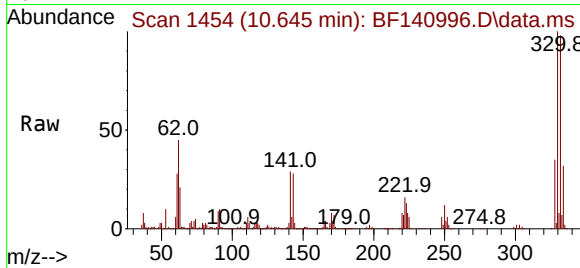




#67  
4-Bromophenyl-phenylether  
Concen: 5.770 ng  
RT: 10.645 min Scan# 1496  
Delta R.T. -0.247 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

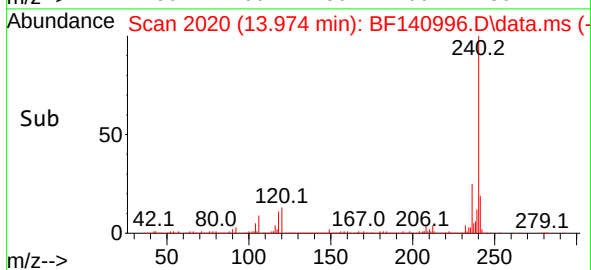
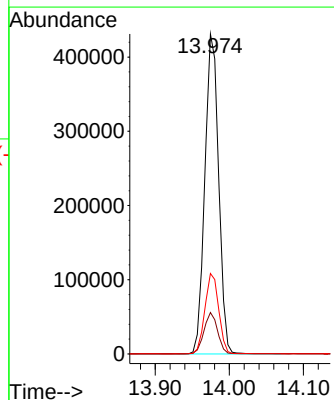
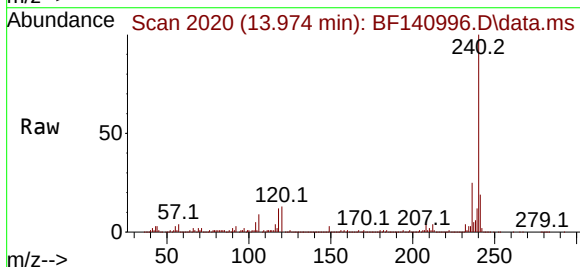
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02

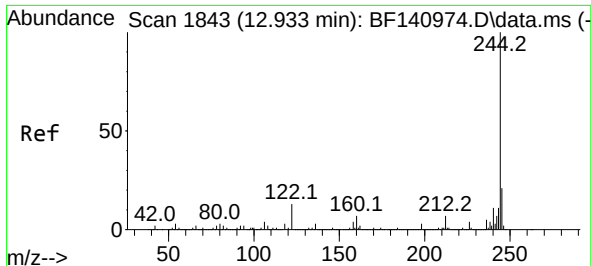
Tgt Ion:248 Resp: 53843  
Ion Ratio Lower Upper  
248 100  
250 194.6 77.7 116.5#  
141 450.8 62.1 93.1#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF140996.D  
Acq: 27 Dec 2024 15:00

Tgt Ion:240 Resp: 557903  
Ion Ratio Lower Upper  
240 100  
120 12.9 10.7 16.1  
236 25.1 20.6 31.0

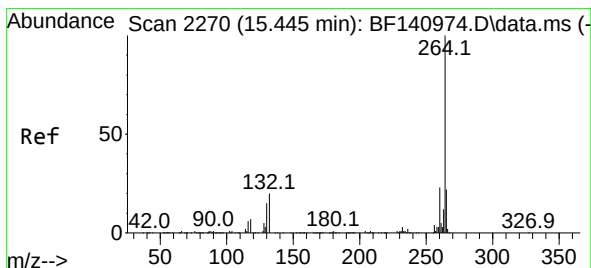
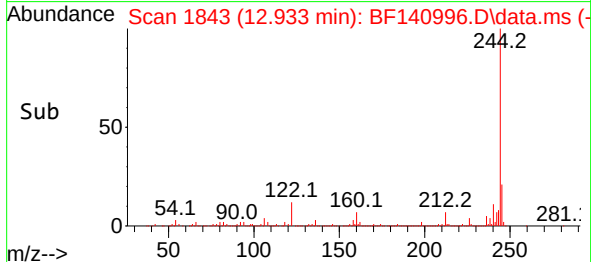
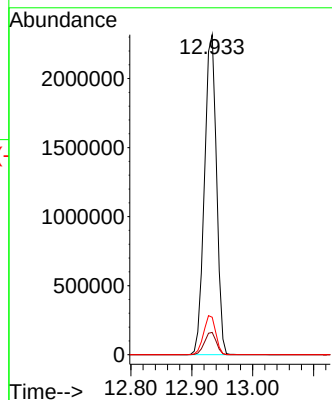
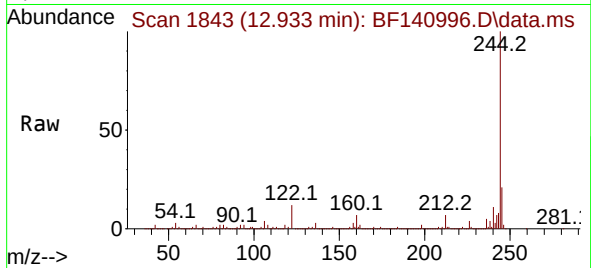




#79  
 Terphenyl-d14  
 Concen: 94.420 ng  
 RT: 12.933 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02

Tgt Ion:244 Resp: 3171421  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.7 8.5  
 122 11.7 10.2 15.2



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.433 min Scan# 2268  
 Delta R.T. -0.012 min  
 Lab File: BF140996.D  
 Acq: 27 Dec 2024 15:00

Tgt Ion:264 Resp: 525276  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 18.7 28.1  
 265 21.5 17.4 26.2

