

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101921\  
 Data File : BF125896.D  
 Acq On : 19 Oct 2021 13:08  
 Operator : JU/CG  
 Sample : M4249-08  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP2-(S)

Quant Time: Oct 19 16:45:09 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 18 12:43:03 2021  
 Response via : Initial Calibration

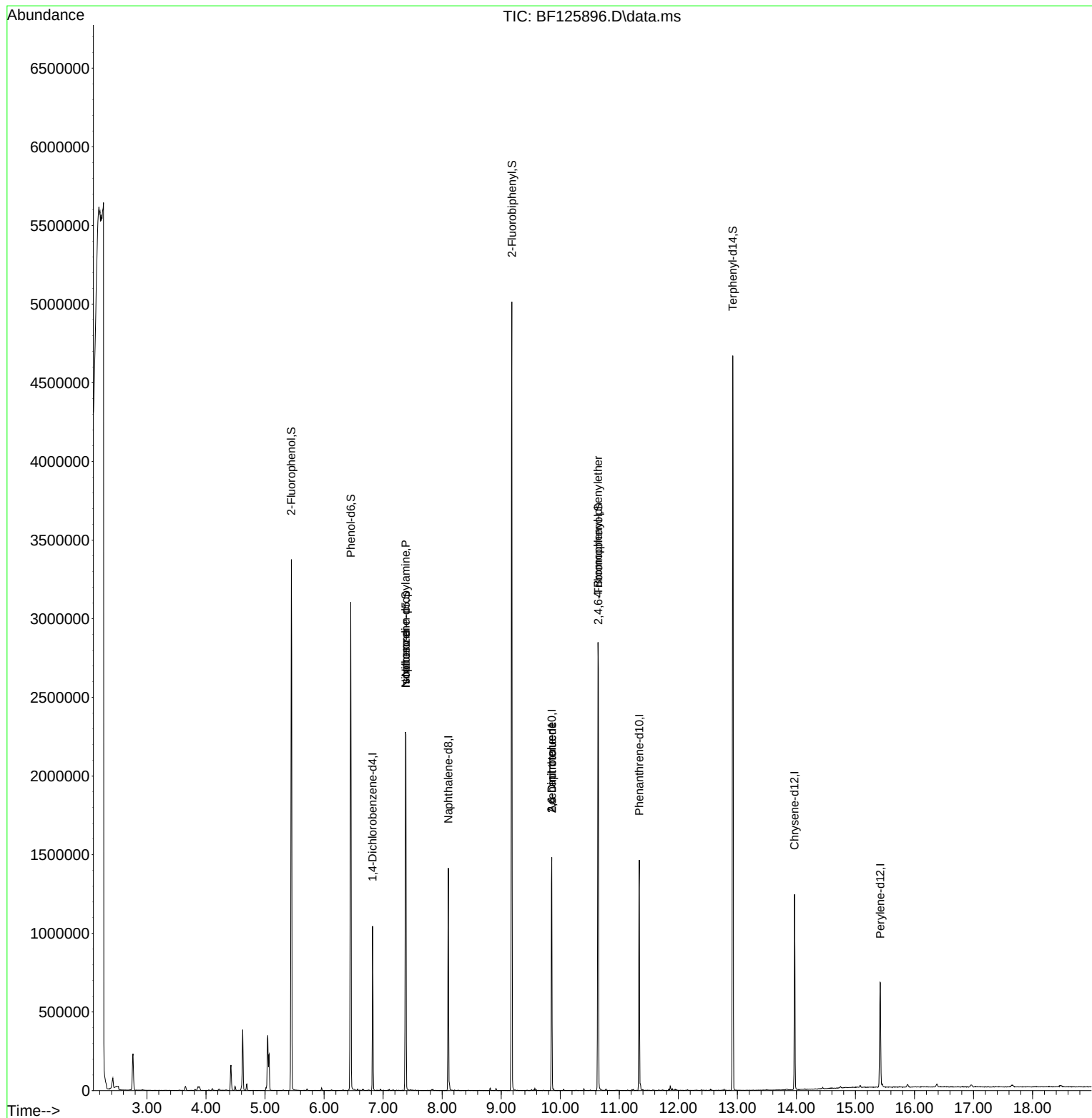
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 151864   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 614108   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.857  | 164  | 316914   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 535836   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 389698   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.421 | 264  | 297604   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1105963  | 118.970 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.451  | 99   | 1242789  | 103.850 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 841726   | 85.200  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 404220   | 129.188 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1610399  | 87.647  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 1715913  | 67.072  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 104616   | 16.560  | ng    | # 50     |
| 25) Isophorone                | 7.381  | 82   | 838370   | 47.899  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.857  | 165  | 40299    | 9.557   | ng    | # 27     |
| 57) 2,4-Dinitrotoluene        | 9.857  | 165  | 40299    | 7.558   | ng    | # 19     |
| 67) 4-Bromophenyl-phenylether | 10.639 | 248  | 22457    | 3.784   | ng    | # 1      |
| -----                         |        |      |          |         |       |          |

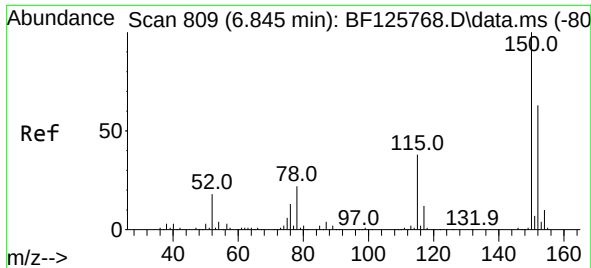
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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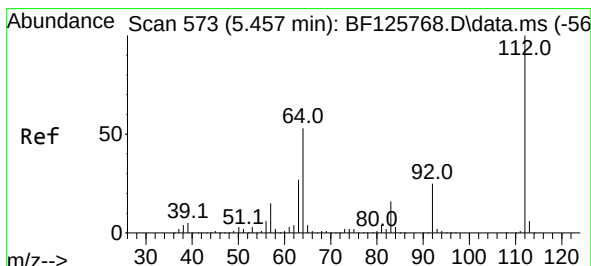
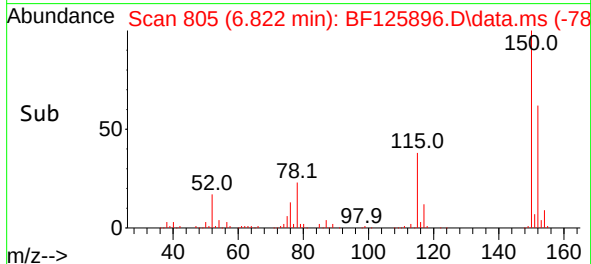
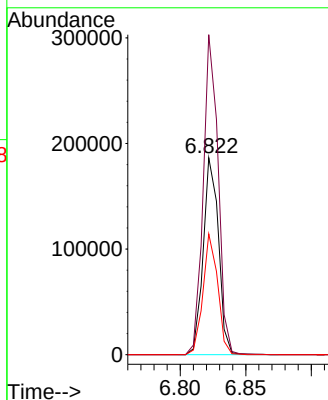
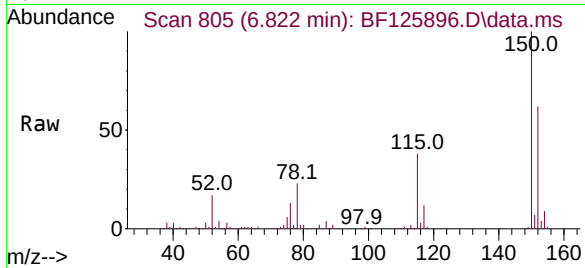




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

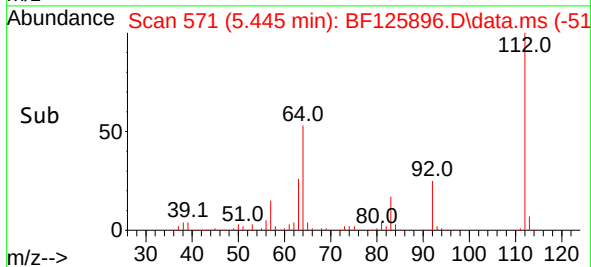
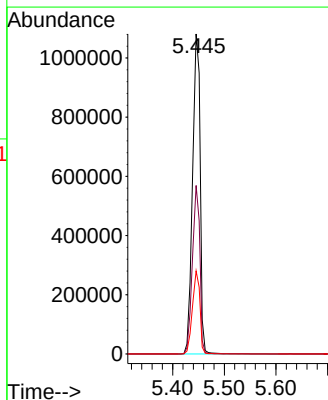
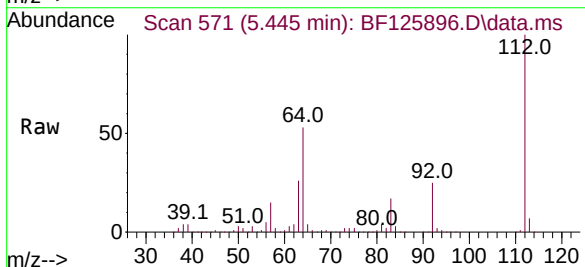
Instrument :  
BNA\_F  
ClientSampleId :  
TP2-(S)

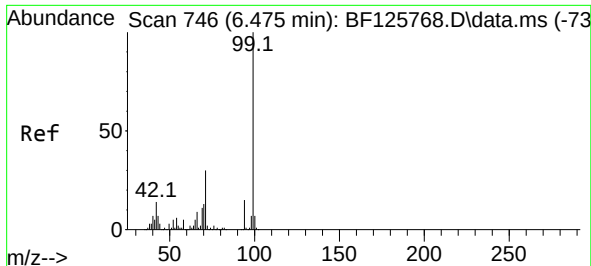
Tgt Ion:152 Resp: 151864  
Ion Ratio Lower Upper  
152 100  
150 162.5 117.6 176.4  
115 61.3 47.1 70.7



#5  
2-Fluorophenol  
Concen: 118.970 ng  
RT: 5.445 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion:112 Resp: 1105963  
Ion Ratio Lower Upper  
112 100  
64 52.7 44.2 66.2  
63 26.0 26.2 39.2#

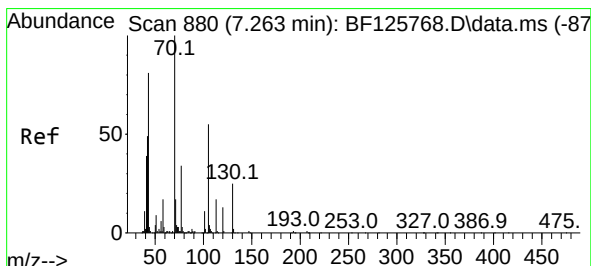
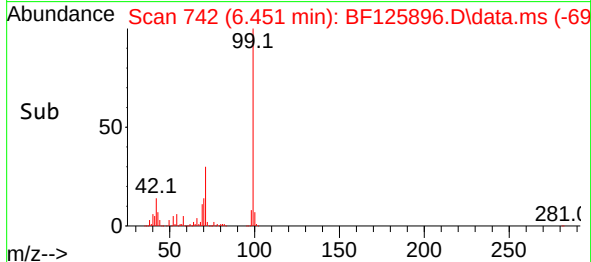
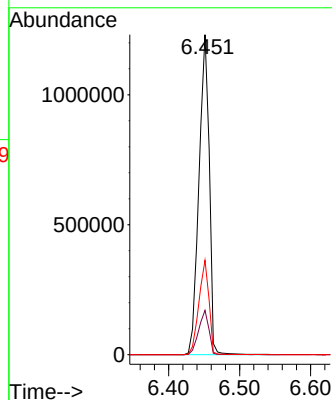
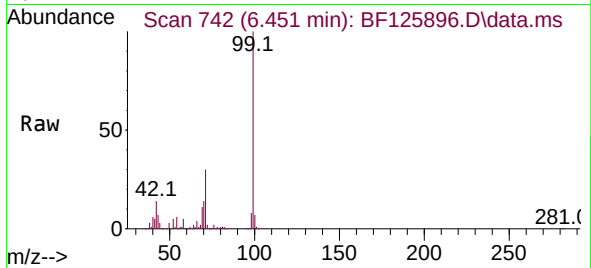




#7  
Phenol-d6  
Concen: 103.850 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

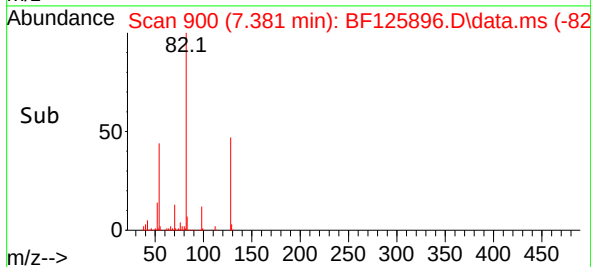
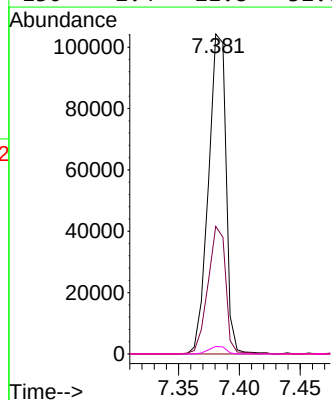
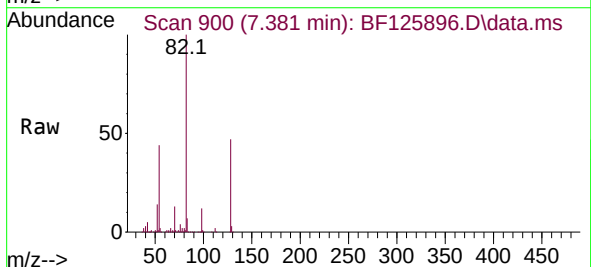
Instrument :  
BNA\_F  
ClientSampleId :  
TP2-(S)

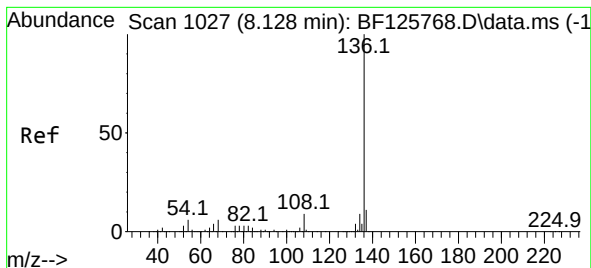
Tgt Ion: 99 Resp: 1242789  
Ion Ratio Lower Upper  
99 100  
42 13.8 23.5 35.3#  
71 29.5 25.6 38.4



#19  
n-Nitroso-di-n-propylamine  
Concen: 16.560 ng  
RT: 7.381 min Scan# 900  
Delta R.T. 0.141 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion: 70 Resp: 104616  
Ion Ratio Lower Upper  
70 100  
42 39.8 72.2 108.2#  
101 0.0 7.8 11.8#  
130 2.4 21.8 32.6#

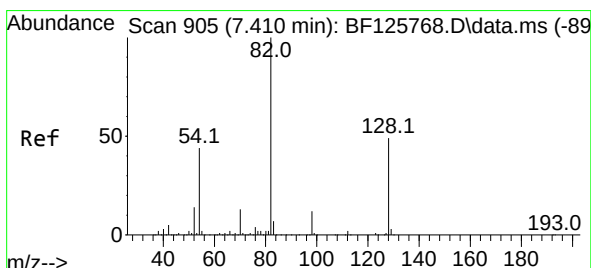
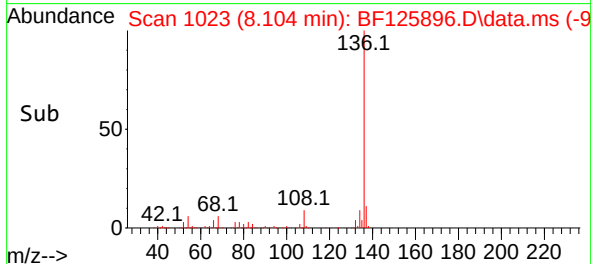
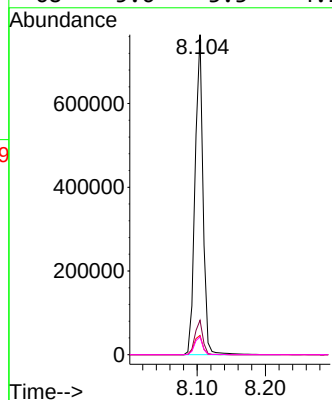
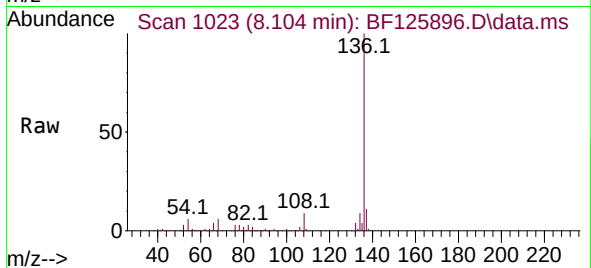




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

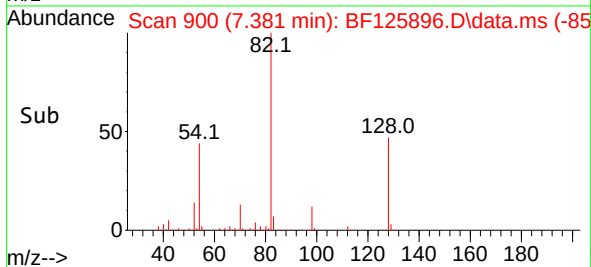
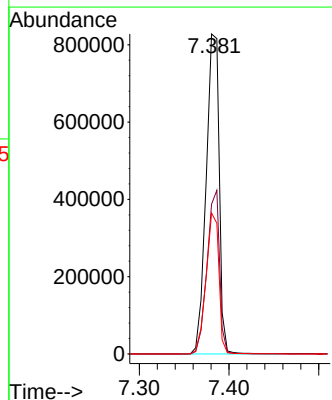
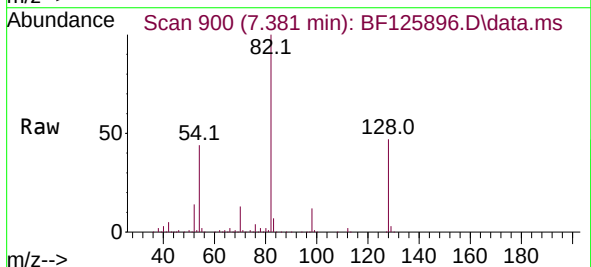
Instrument :  
BNA\_F  
ClientSampleId :  
TP2-(S)

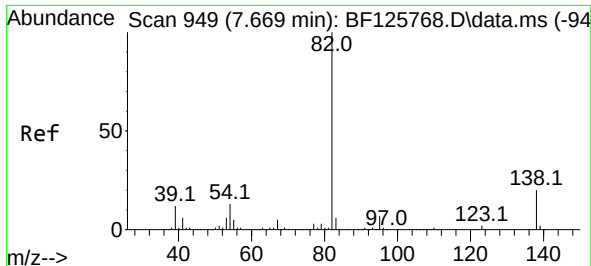
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 614108 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 9.8   | 14.6   |
| 54        | 6.0   | 6.4   | 9.6#   |
| 68        | 5.6   | 3.3   | 4.9#   |



#23  
Nitrobenzene-d5  
Concen: 85.200 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.012 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 841726 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.8  | 40.6  | 60.8   |
| 54        | 44.1  | 49.6  | 74.4#  |

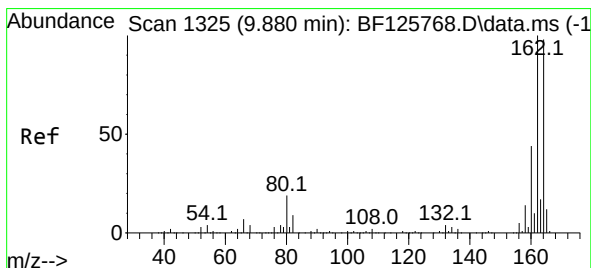
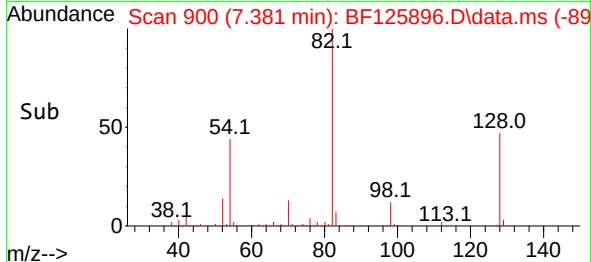
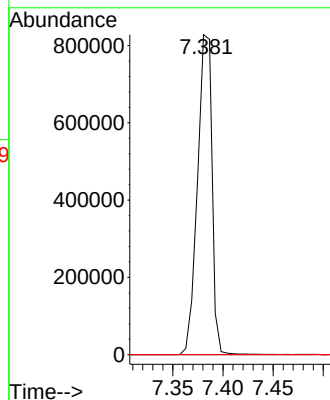
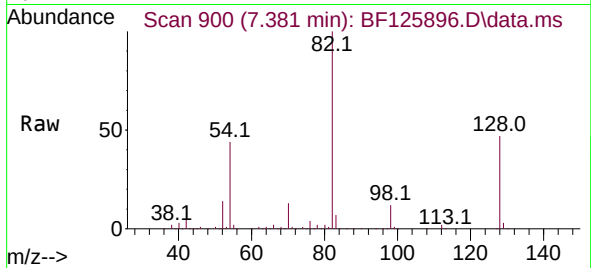




#25  
Isophorone  
Concen: 47.899 ng  
RT: 7.381 min Scan# 900  
Delta R.T. -0.271 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

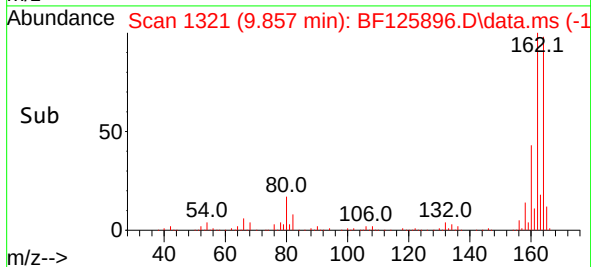
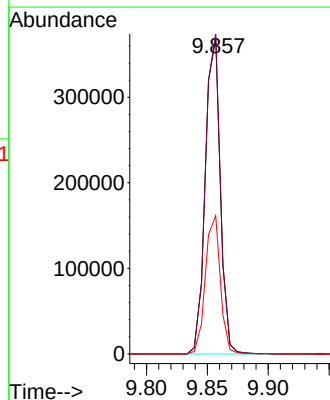
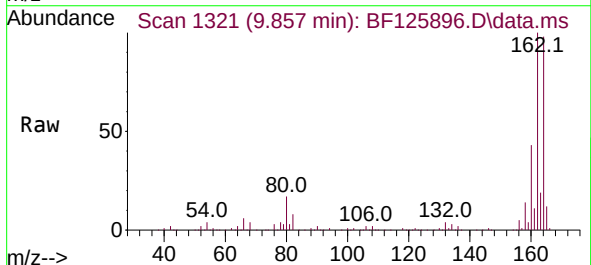
Instrument :  
BNA\_F  
ClientSampleId :  
TP2-(S)

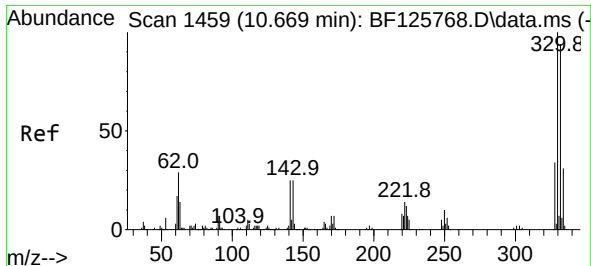
Tgt Ion: 82 Resp: 838370  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion: 164 Resp: 316914  
Ion Ratio Lower Upper  
164 100  
162 101.5 81.3 121.9  
160 43.8 38.0 57.0

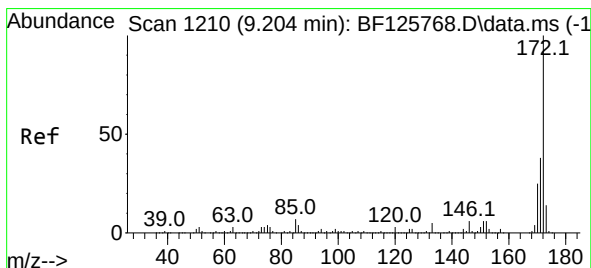
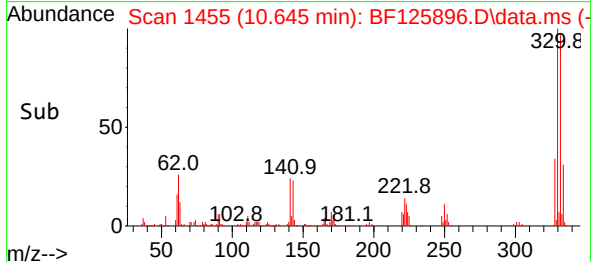
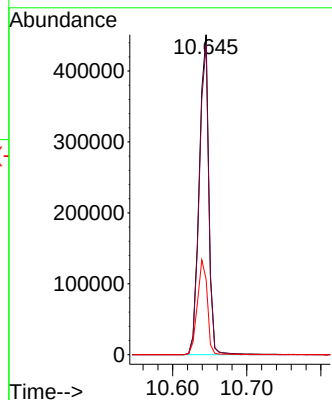
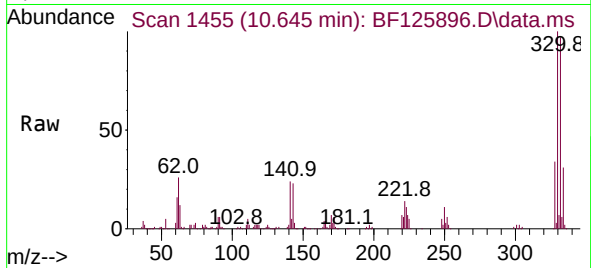




#42  
2,4,6-Tribromophenol  
Concen: 129.188 ng  
RT: 10.645 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

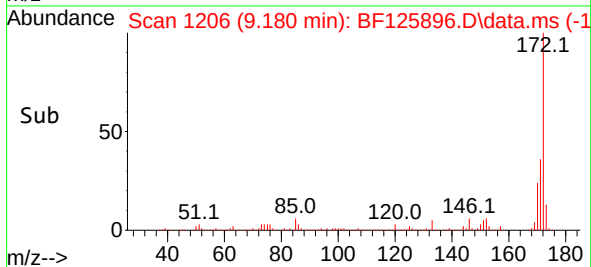
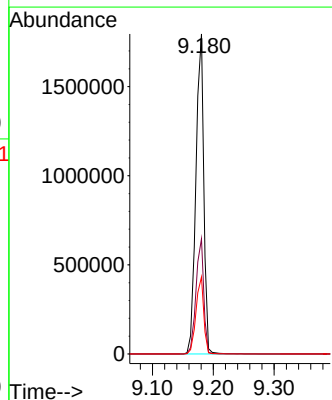
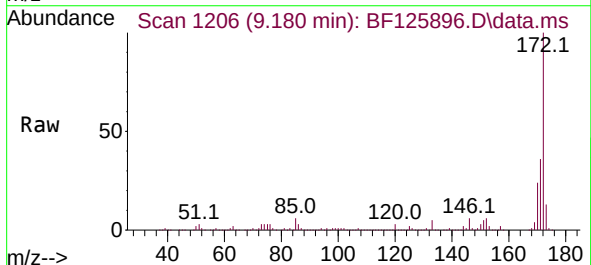
Instrument :  
BNA\_F  
ClientSampled :  
TP2-(S)

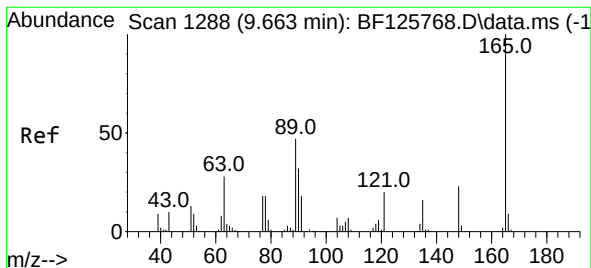
Tgt Ion:330 Resp: 404220  
Ion Ratio Lower Upper  
330 100  
332 96.3 76.2 114.4  
141 30.6 44.6 66.8#



#45  
2-Fluorobiphenyl  
Concen: 87.647 ng  
RT: 9.180 min Scan# 1206  
Delta R.T. -0.000 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion:172 Resp: 1610399  
Ion Ratio Lower Upper  
172 100  
171 36.0 26.5 39.7  
170 24.0 18.8 28.2

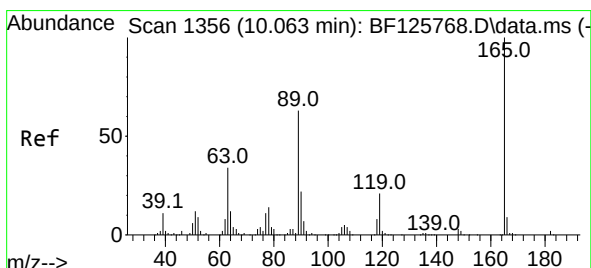
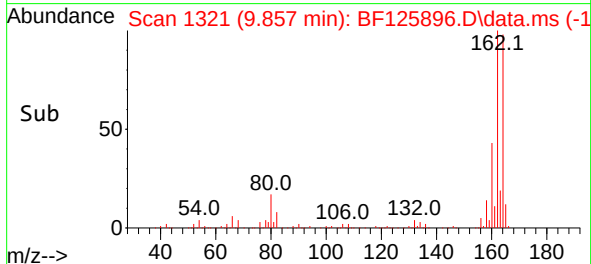
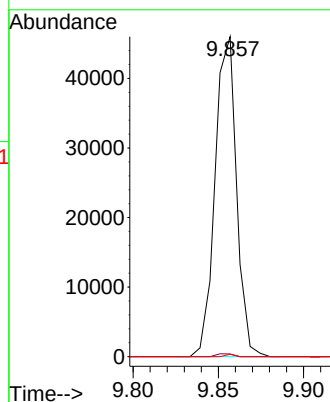
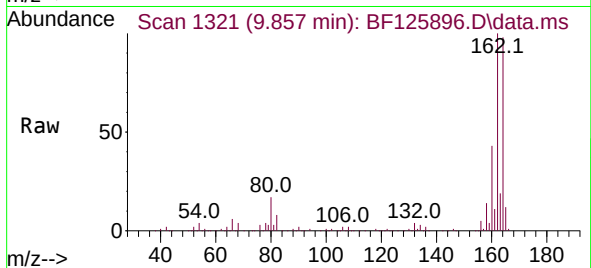




#51  
2,6-Dinitrotoluene  
Concen: 9.557 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. 0.218 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

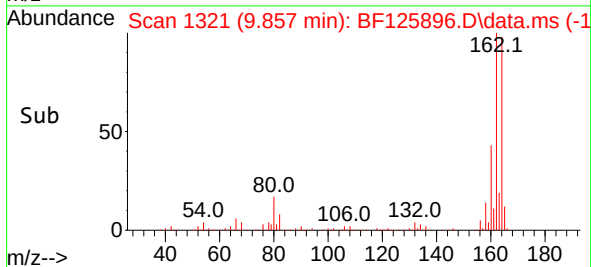
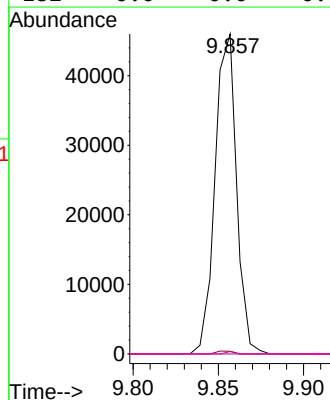
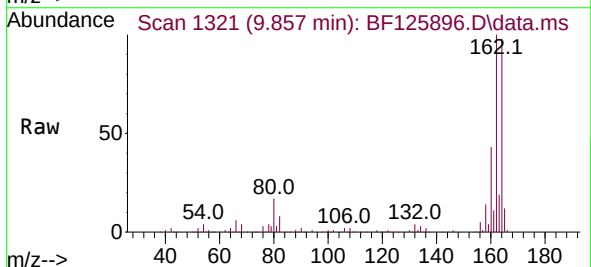
Instrument :  
BNA\_F  
ClientSampled :  
TP2-(S)

Tgt Ion:165 Resp: 40299  
Ion Ratio Lower Upper  
165 100  
63 0.8 42.6 63.8#  
89 0.7 40.6 60.8#

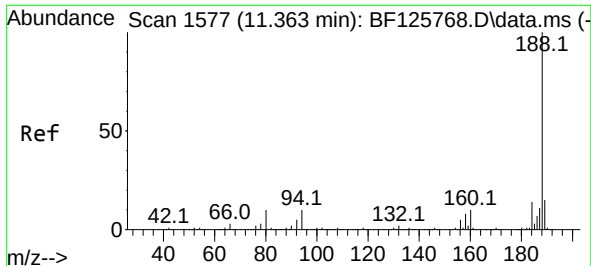


#57  
2,4-Dinitrotoluene  
Concen: 7.558 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.188 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion:165 Resp: 40299  
Ion Ratio Lower Upper  
165 100  
63 0.8 40.9 61.3#  
89 0.7 59.7 89.5#  
182 0.0 0.0 0.0



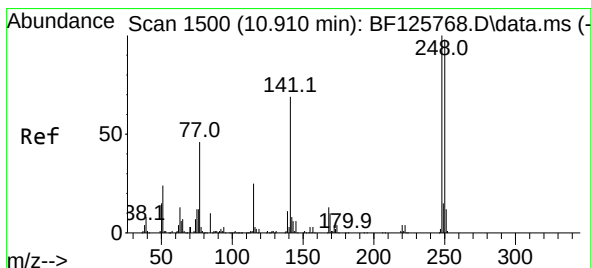
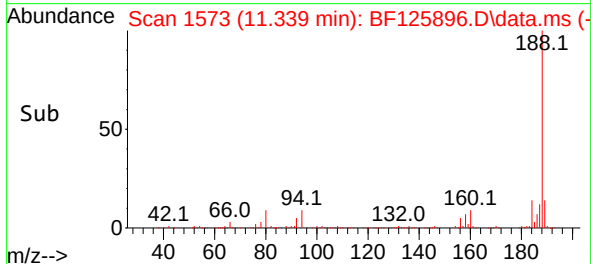
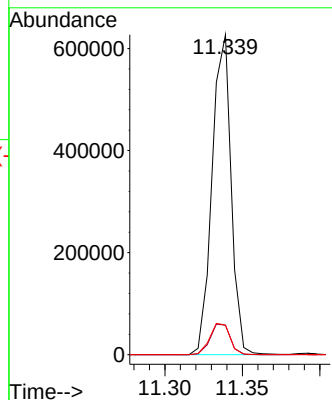
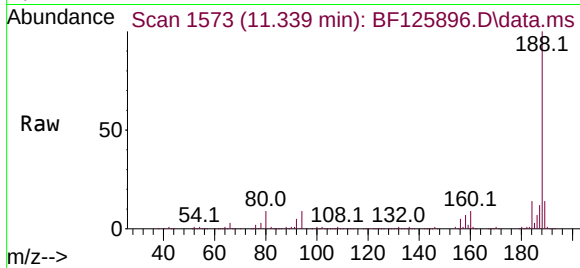




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.000 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

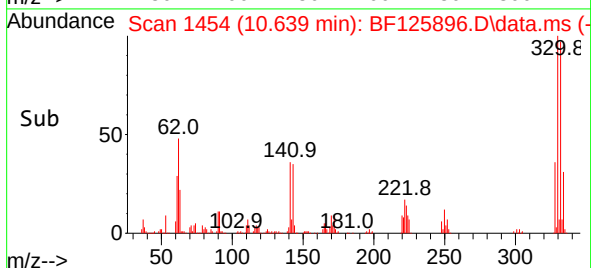
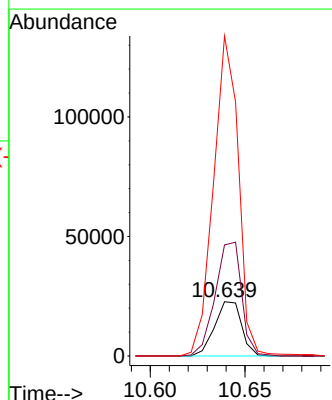
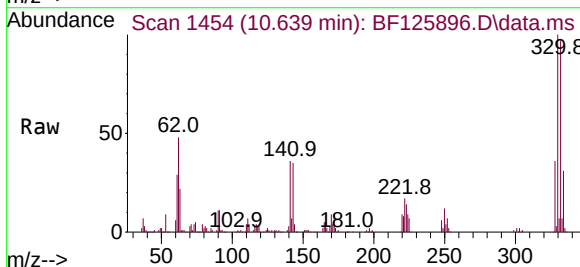
Instrument :  
BNA\_F  
ClientSampled :  
TP2-(S)

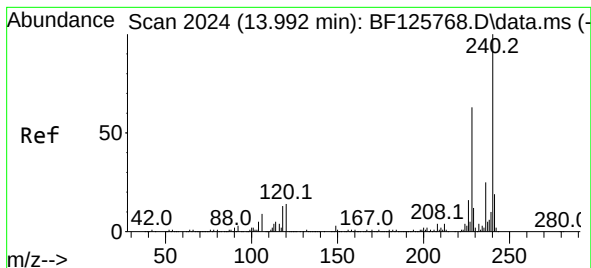
Tgt Ion:188 Resp: 535836  
Ion Ratio Lower Upper  
188 100  
94 9.2 6.7 10.1  
80 9.2 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.784 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.247 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion:248 Resp: 22457  
Ion Ratio Lower Upper  
248 100  
250 204.9 74.2 111.4#  
141 590.3 60.4 90.6#

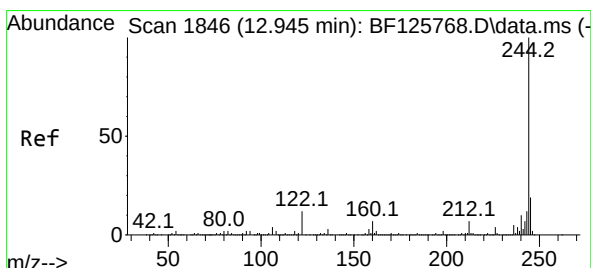
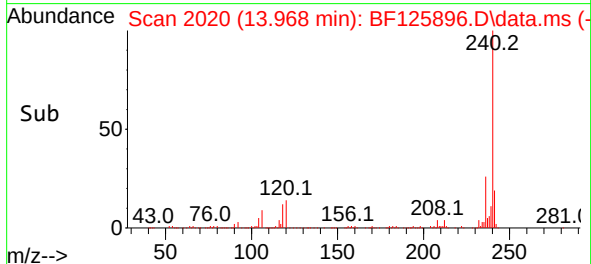
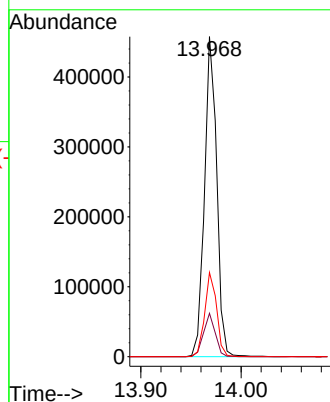
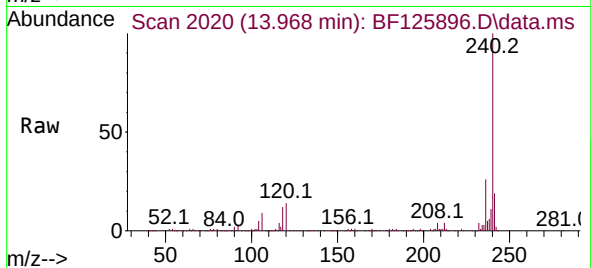




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.006 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

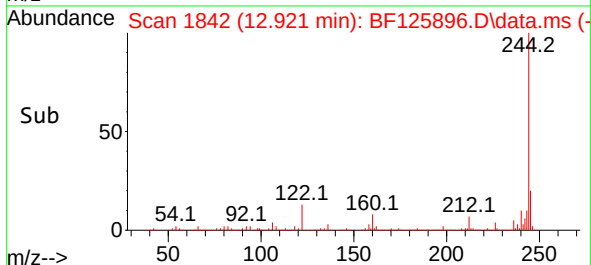
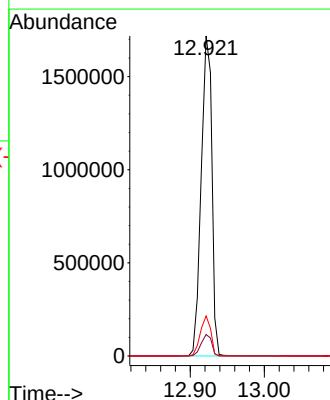
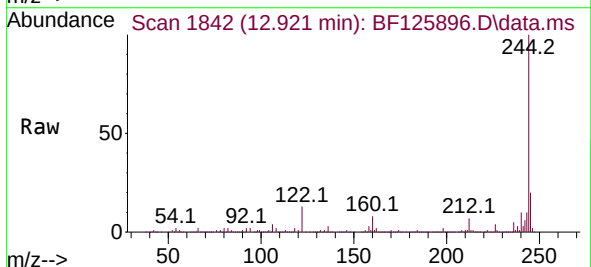
Instrument :  
BNA\_F  
ClientSampleId :  
TP2-(S)

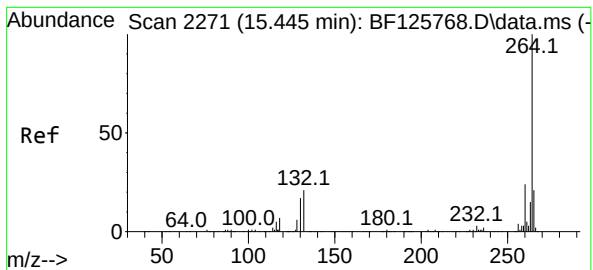
Tgt Ion:240 Resp: 389698  
Ion Ratio Lower Upper  
240 100  
120 13.5 10.8 16.2  
236 26.3 21.6 32.4



#79  
Terphenyl-d14  
Concen: 67.072 ng  
RT: 12.921 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: BF125896.D  
Acq: 19 Oct 2021 13:08

Tgt Ion:244 Resp: 1715913  
Ion Ratio Lower Upper  
244 100  
212 6.7 5.9 8.9  
122 12.5 9.0 13.4





#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.421 min Scan# 2267  
 Delta R.T. -0.000 min  
 Lab File: BF125896.D  
 Acq: 19 Oct 2021 13:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP2-(S)

Tgt Ion:264 Resp: 297604

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.6  | 29.4  |
| 265 | 21.0  | 17.2  | 25.8  |

