

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071621\  
 Data File : BF124596.D  
 Acq On : 16 Jul 2021 14:55  
 Operator : JU/CG  
 Sample : PB137738BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB137738BL

Quant Time: Jul 16 15:29:22 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF070721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 08 07:49:42 2021  
 Response via : Initial Calibration

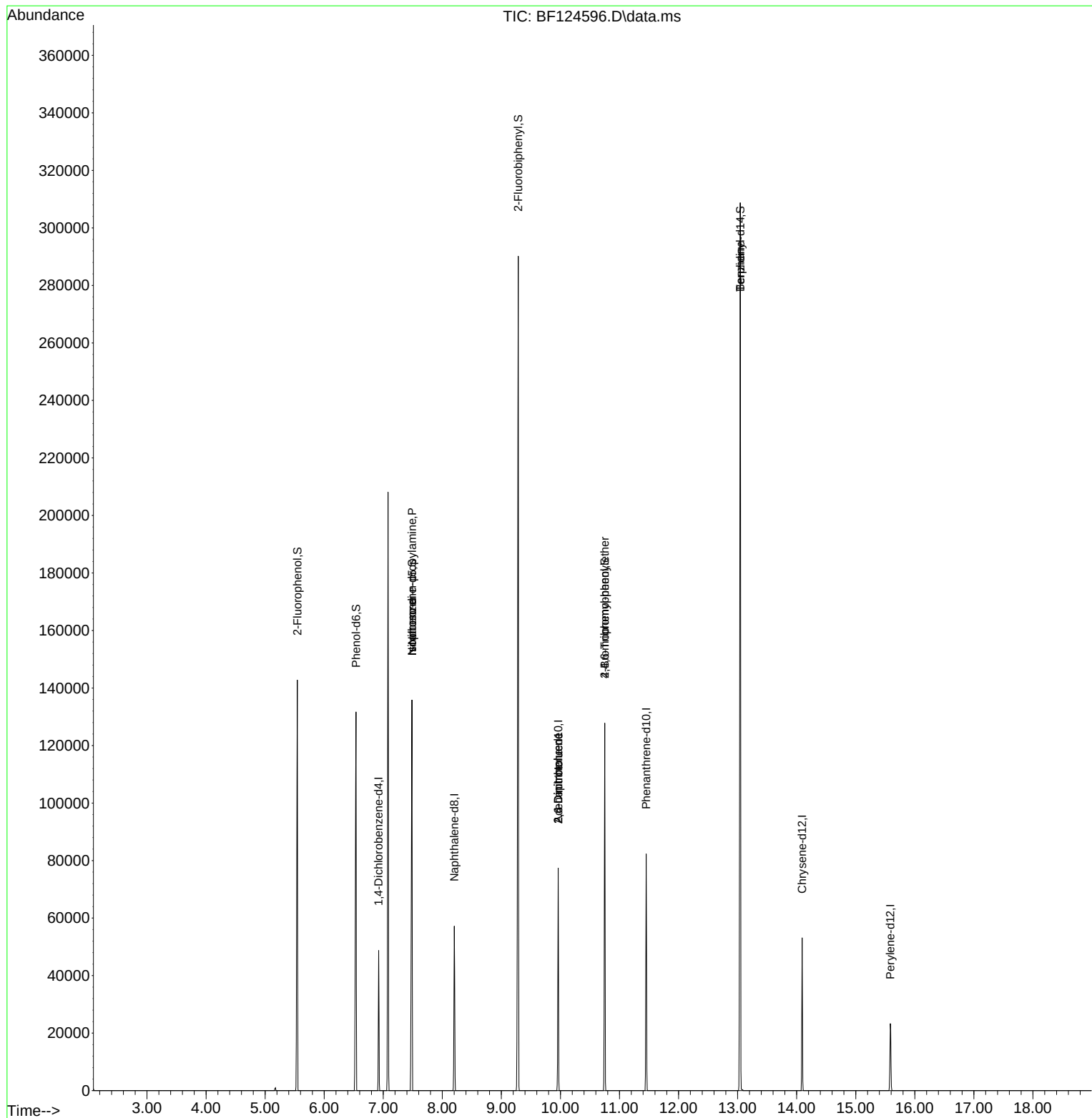
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.922  | 152  | 7201     | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.204  | 136  | 28492    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.963  | 164  | 15385    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.451 | 188  | 28815    | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.092 | 240  | 17718    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.586 | 264  | 12518    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 37448    | 90.101  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.539  | 99   | 44052    | 87.127  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.486  | 82   | 42791    | 94.808  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.751 | 330  | 11591    | 96.814  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.286  | 172  | 98447    | 93.311  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.045 | 244  | 117517   | 111.376 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.486  | 70   | 5755     | 20.245  | ng    | # 72     |
| 25) Isophorone                | 7.486  | 82   | 42638    | 51.461  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene        | 9.963  | 165  | 1903     | 9.018   | ng    | # 26     |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 1903     | 6.587   | ng    | # 18     |
| 67) 4-Bromophenyl-phenylether | 10.751 | 248  | 933      | 3.131   | ng    | # 1      |
| 77) Benzidine                 | 13.045 | 184  | 1722     | 2.600   | ng    | # 69     |
| -----                         |        |      |          |         |       |          |

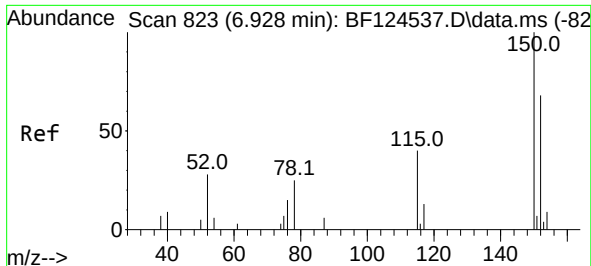
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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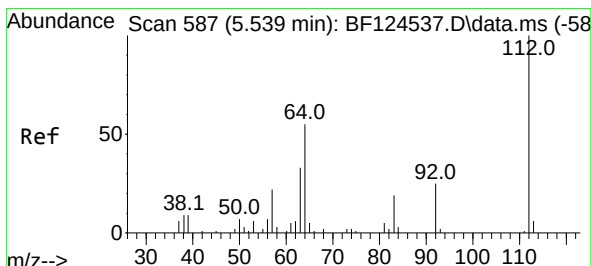
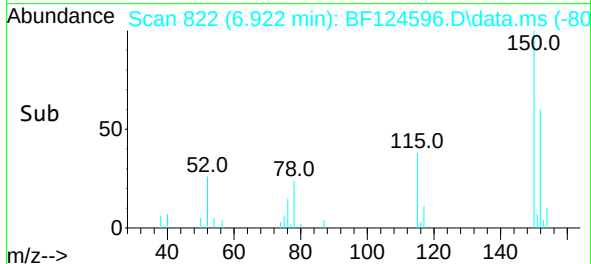
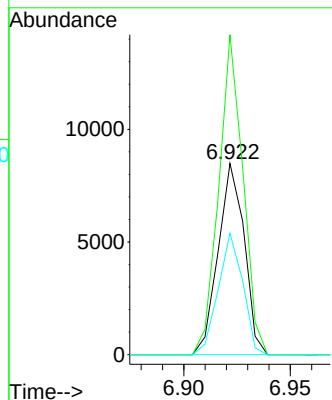
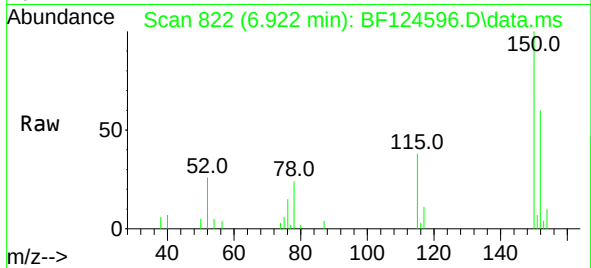




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.922 min Scan# 822  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

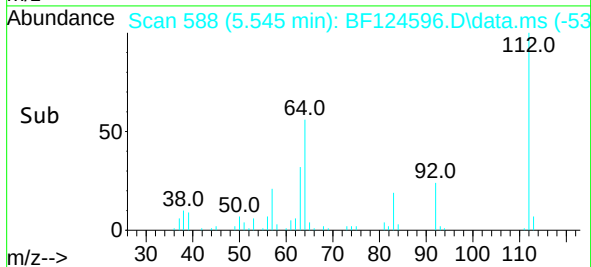
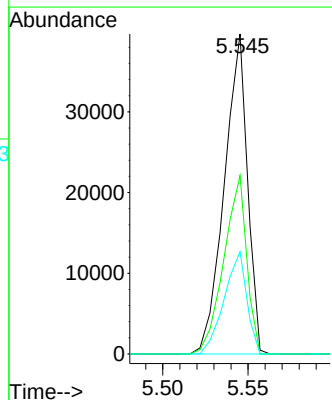
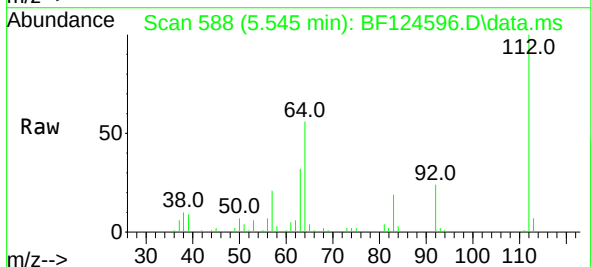
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BNA\_F  
ClientSampleId :  
PB137738BL

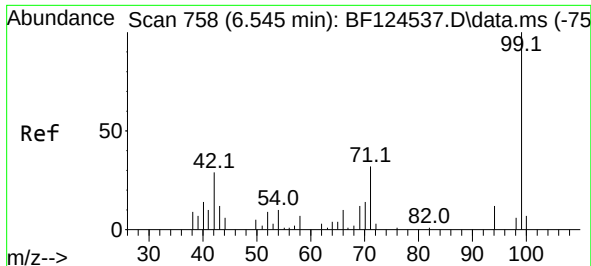
Tgt Ion:152 Resp: 7201  
Ion Ratio Lower Upper  
152 100  
150 167.4 117.6 176.4  
115 63.5 47.1 70.7



#5  
2-Fluorophenol  
Concen: 90.101 ng  
RT: 5.545 min Scan# 588  
Delta R.T. 0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:112 Resp: 37448  
Ion Ratio Lower Upper  
112 100  
64 55.8 44.2 66.2  
63 32.0 26.2 39.2

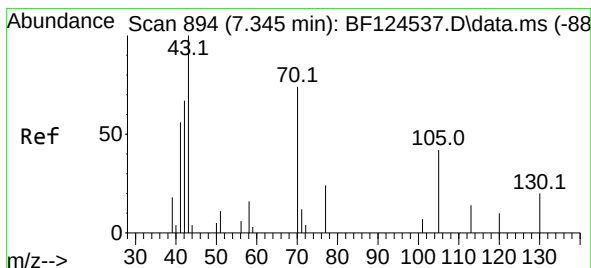
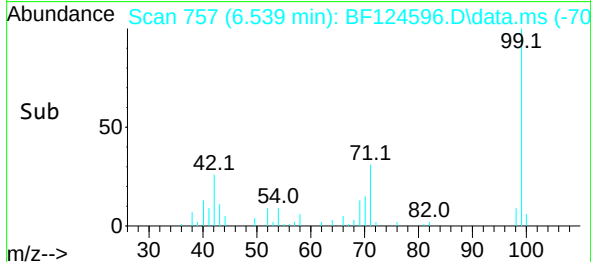
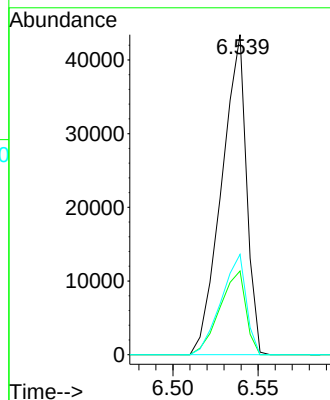
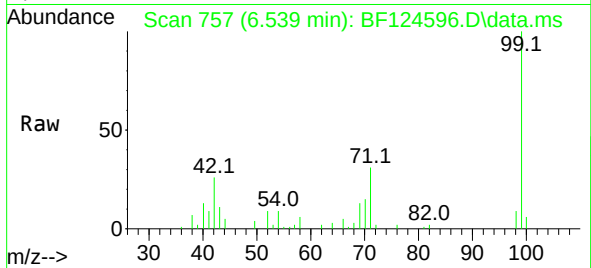




#7  
Phenol-d6  
Concen: 87.127 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

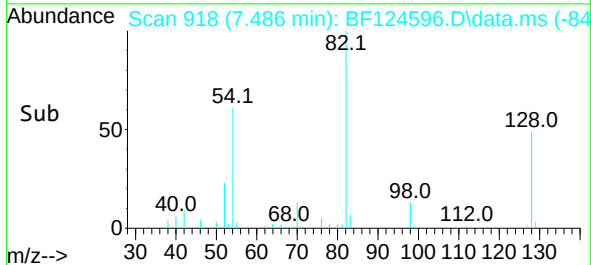
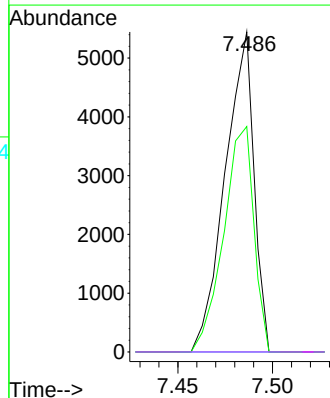
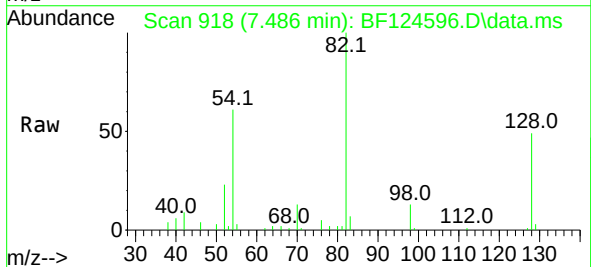
Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

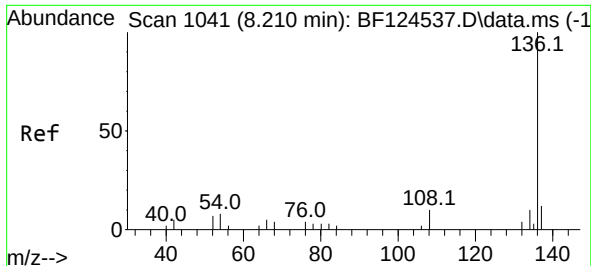
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 44052 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 26.1  | 23.5  | 35.3  |
| 71       | 31.4  | 25.6  | 38.4  |



#19  
n-Nitroso-di-n-propylamine  
Concen: 20.245 ng  
RT: 7.486 min Scan# 918  
Delta R.T. 0.141 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 5755   |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 70.5  | 72.2  | 108.2# |
| 101      | 0.0   | 7.8   | 11.8#  |
| 130      | 0.0   | 21.8  | 32.6#  |

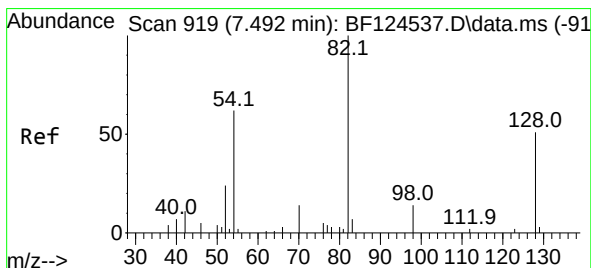
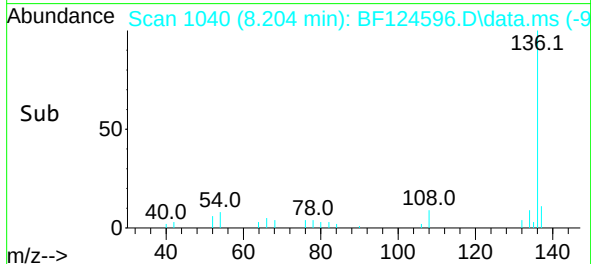
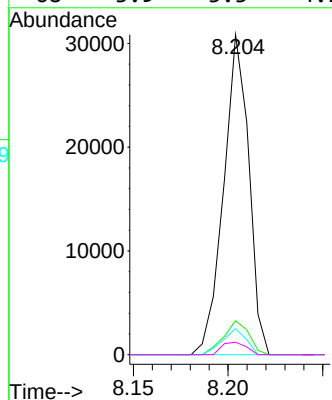
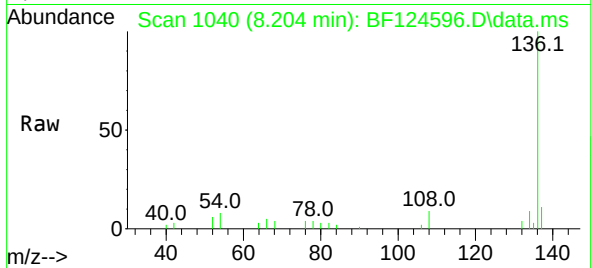




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

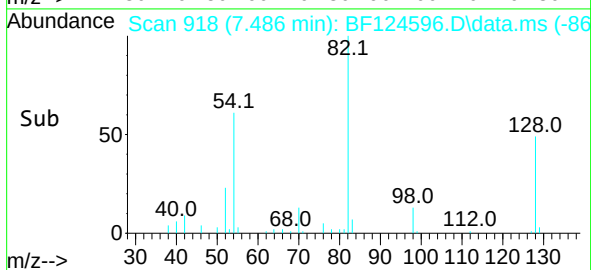
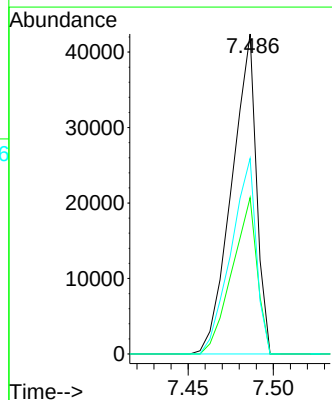
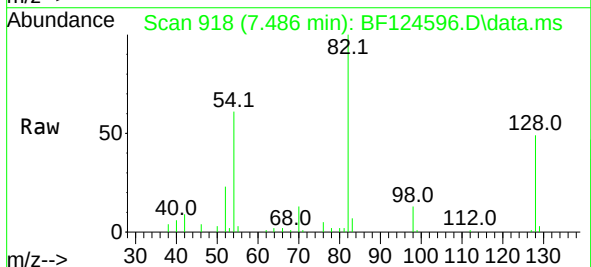
Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

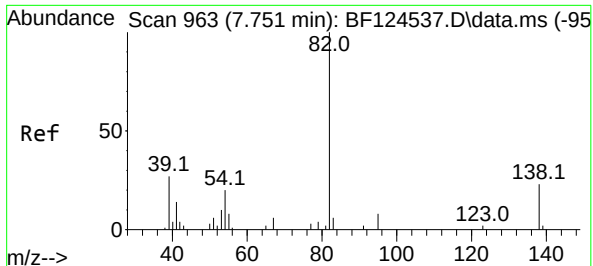
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 28492    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.6  | 9.8 14.6 |
| 54          | 8.1   | 6.4 9.6  |
| 68          | 3.9   | 3.3 4.9  |



#23  
Nitrobenzene-d5  
Concen: 94.808 ng  
RT: 7.486 min Scan# 918  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 42791     |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 48.9  | 40.6 60.8 |
| 54          | 61.1  | 49.6 74.4 |

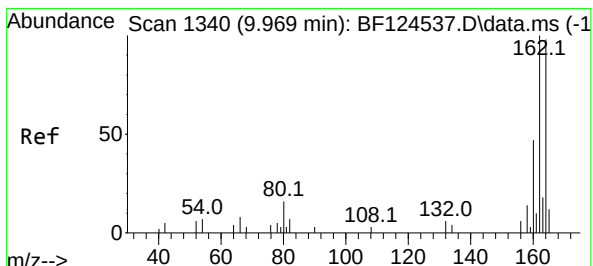
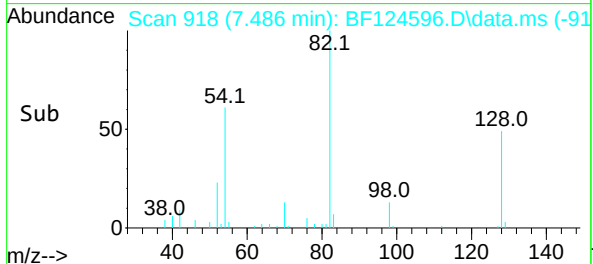
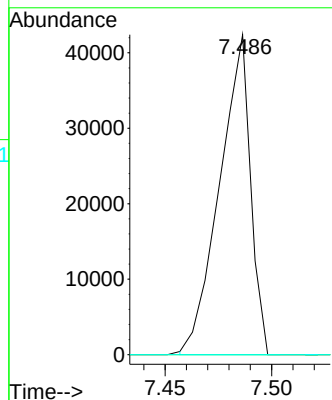
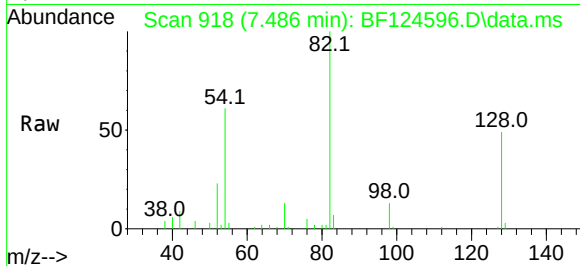




#25  
Isophorone  
Concen: 51.461 ng  
RT: 7.486 min Scan# 918  
Delta R.T. -0.265 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

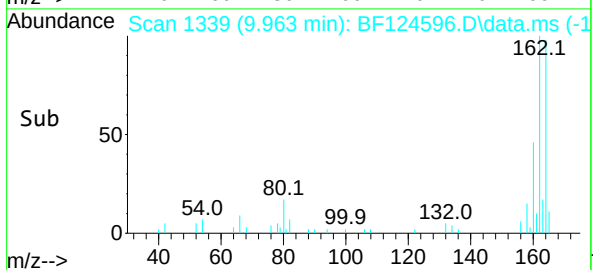
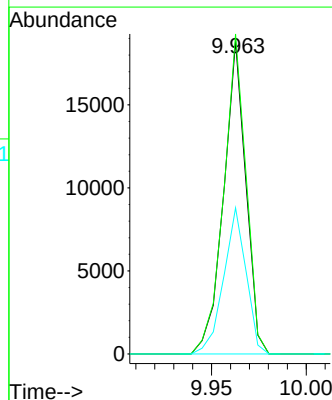
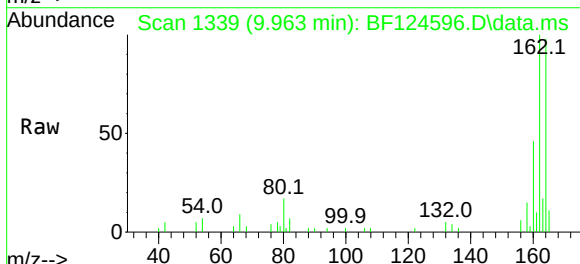
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ClientSampleId :  
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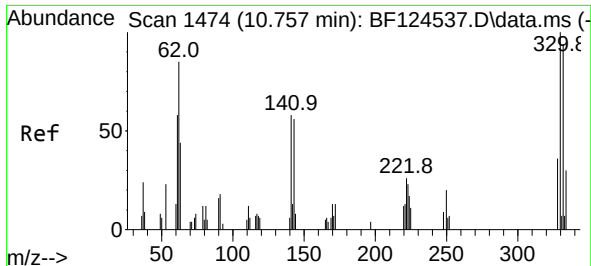
Tgt Ion: 82 Resp: 42638  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.5 9.7#  
138 0.0 18.4 27.6#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:164 Resp: 15385  
Ion Ratio Lower Upper  
164 100  
162 102.3 81.3 121.9  
160 46.7 38.0 57.0

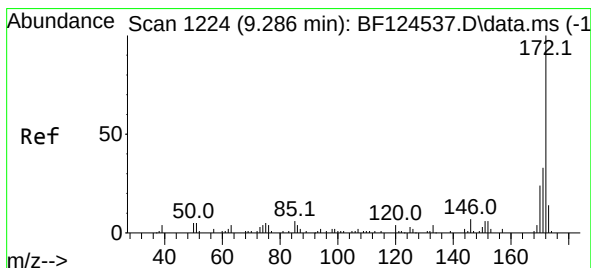
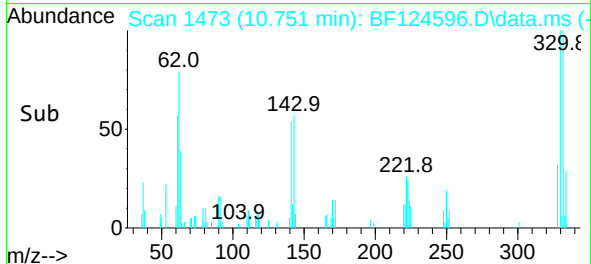
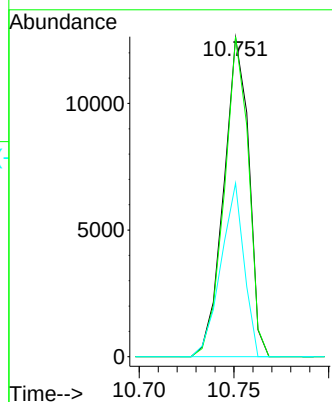
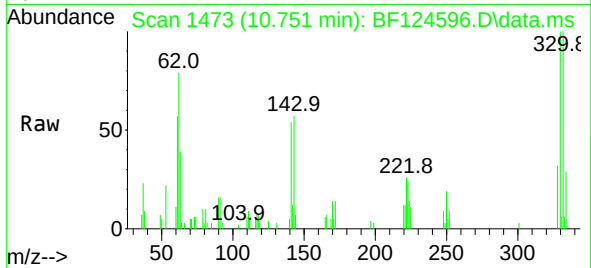




#42  
2,4,6-Tribromophenol  
Concen: 96.814 ng  
RT: 10.751 min Scan# 1473  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

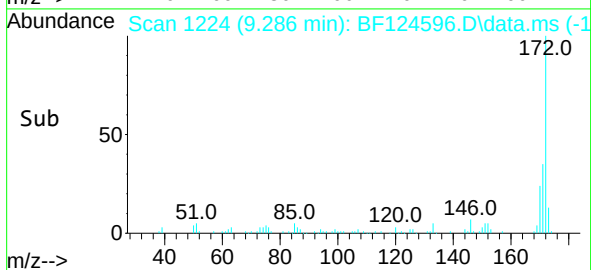
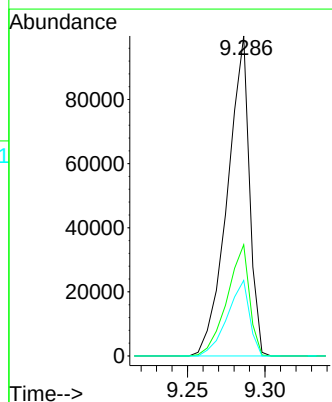
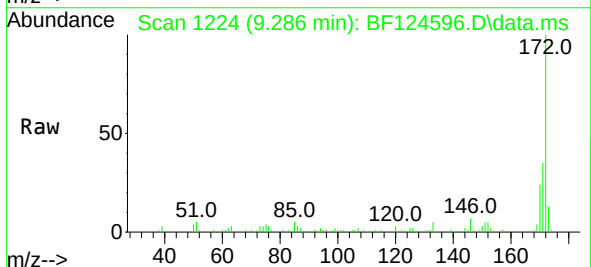
Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

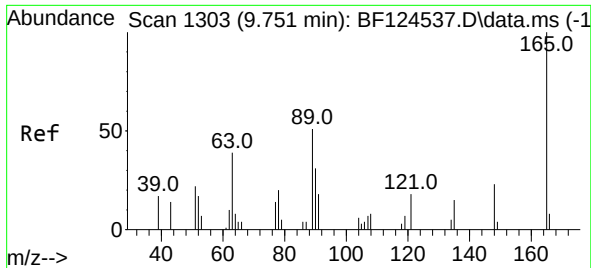
Tgt Ion: 330 Resp: 11591  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.2 114.4  
141 50.1 44.6 66.8



#45  
2-Fluorobiphenyl  
Concen: 93.311 ng  
RT: 9.286 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion: 172 Resp: 98447  
Ion Ratio Lower Upper  
172 100  
171 34.7 26.5 39.7  
170 23.6 18.8 28.2

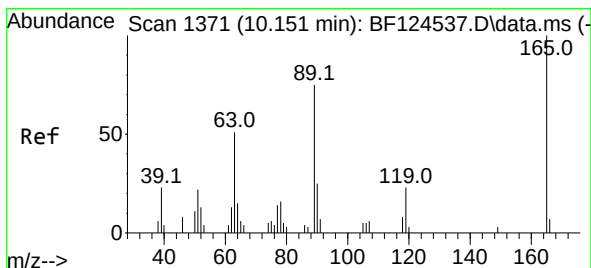
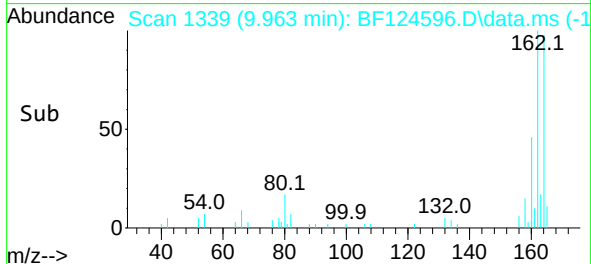
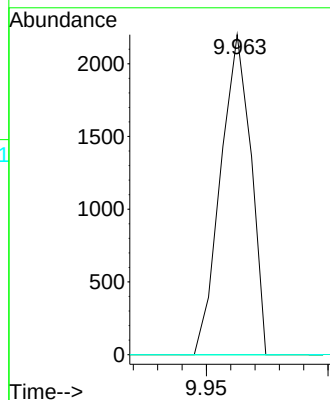
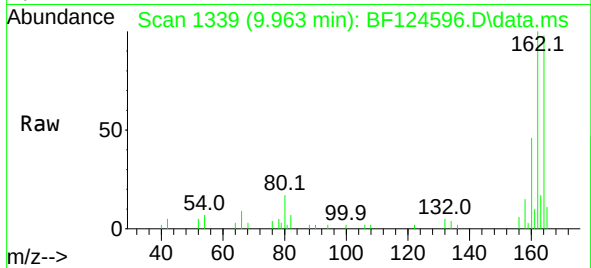




#51  
2,6-Dinitrotoluene  
Concen: 9.018 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.212 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

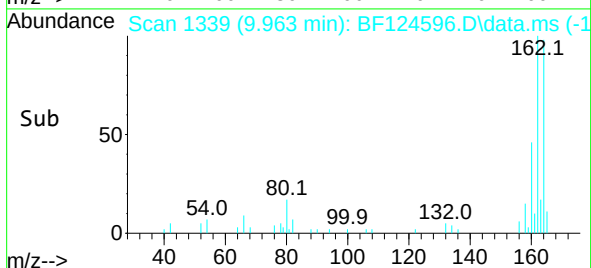
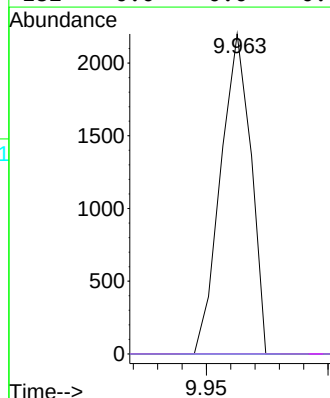
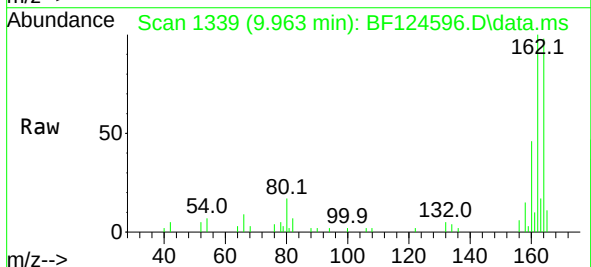
Instrument :  
BNA\_F  
ClientSampled :  
PB137738BL

Tgt Ion:165 Resp: 1903  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.6 63.8#  
89 0.0 40.6 60.8#

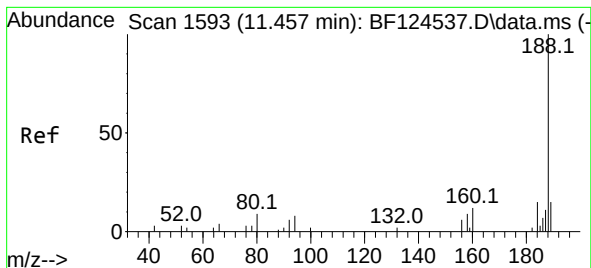


#57  
2,4-Dinitrotoluene  
Concen: 6.587 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. -0.188 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:165 Resp: 1903  
Ion Ratio Lower Upper  
165 100  
63 0.0 40.9 61.3#  
89 0.0 59.7 89.5#  
182 0.0 0.0 0.0



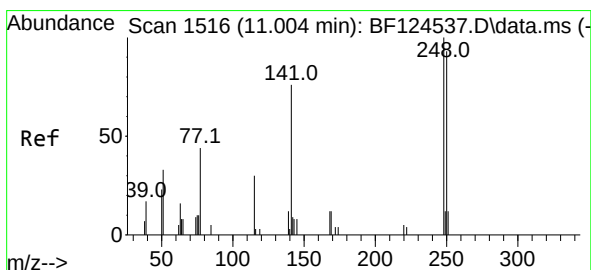
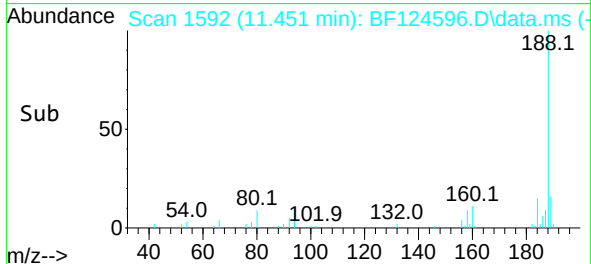
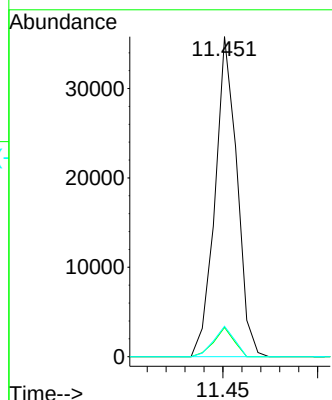
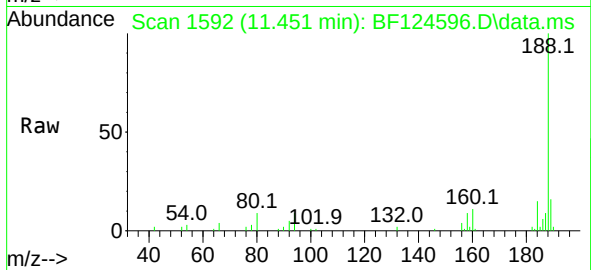




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.451 min Scan# 1592  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

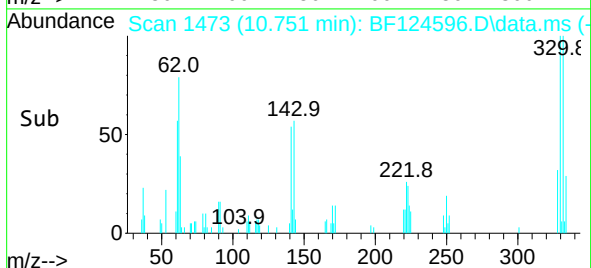
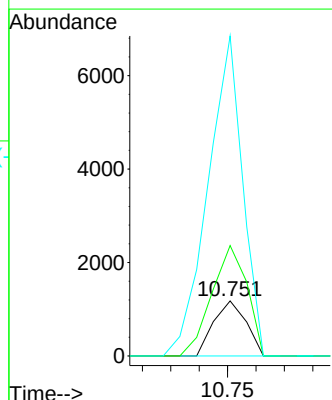
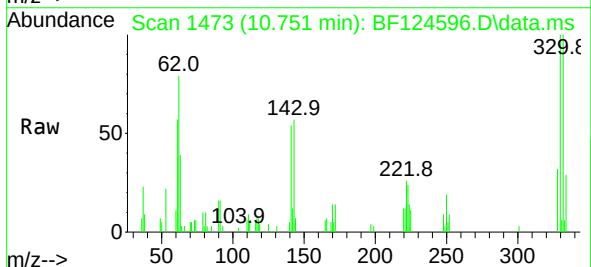
Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

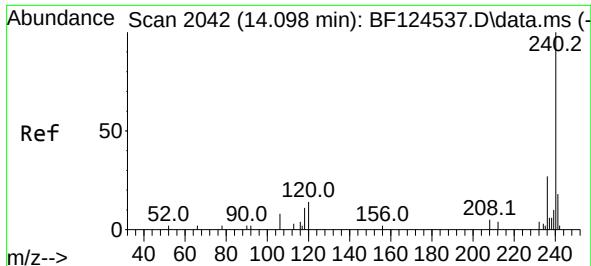
Tgt Ion:188 Resp: 28815  
Ion Ratio Lower Upper  
188 100  
94 9.1 6.7 10.1  
80 9.5 7.5 11.3



#67  
4-Bromophenyl-phenylether  
Concen: 3.131 ng  
RT: 10.751 min Scan# 1473  
Delta R.T. -0.253 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:248 Resp: 933  
Ion Ratio Lower Upper  
248 100  
250 200.7 74.2 111.4#  
141 581.4 60.4 90.6#

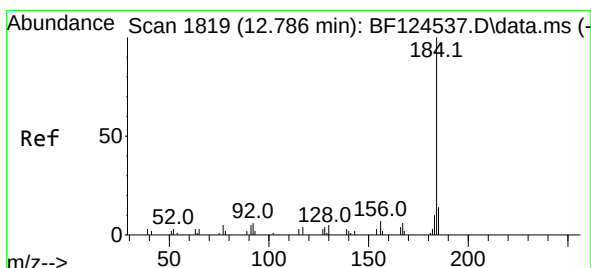
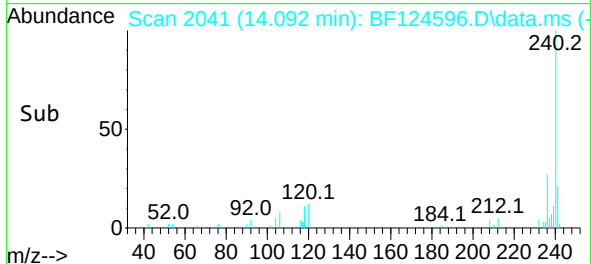
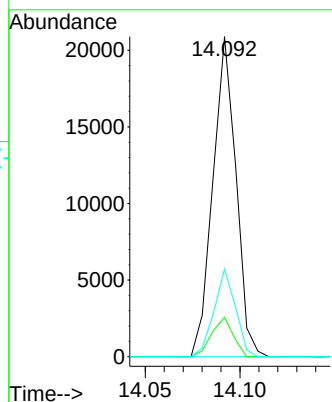
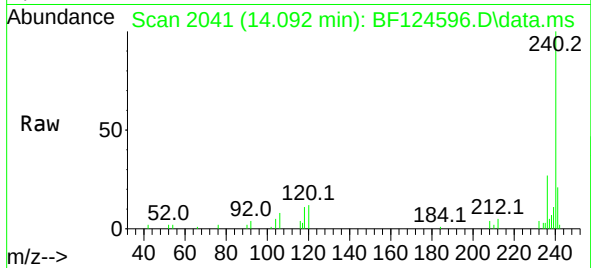




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.092 min Scan# 2041  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

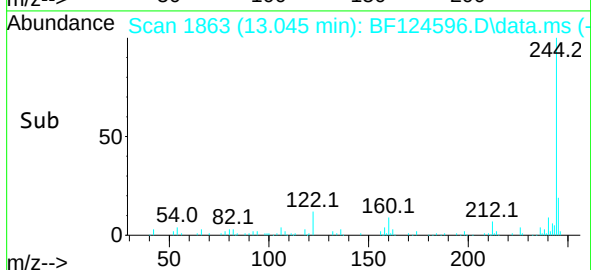
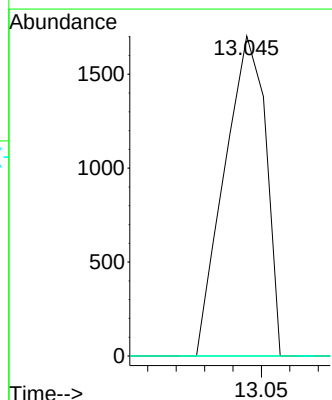
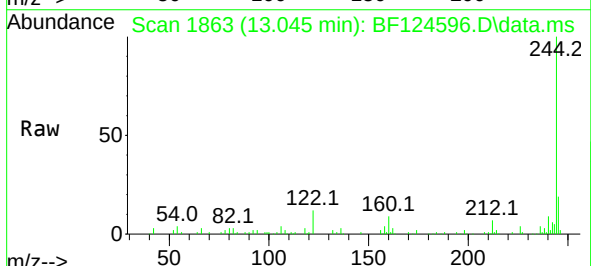
Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

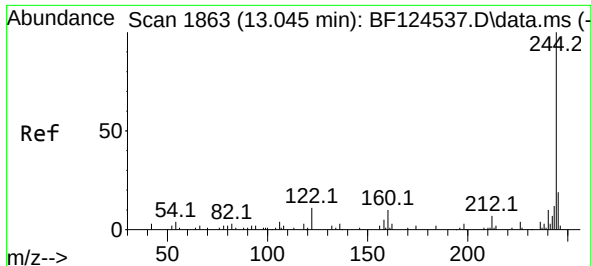
Tgt Ion:240 Resp: 17718  
Ion Ratio Lower Upper  
240 100  
120 12.3 10.8 16.2  
236 27.4 21.6 32.4



#77  
Benzidine  
Concen: 2.600 ng  
RT: 13.045 min Scan# 1863  
Delta R.T. 0.259 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:184 Resp: 1722  
Ion Ratio Lower Upper  
184 100  
185 0.0 10.8 16.2#  
183 0.0 8.1 12.1#

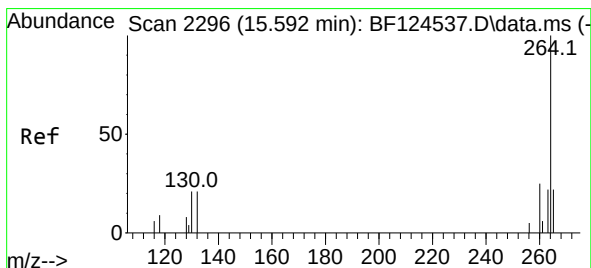
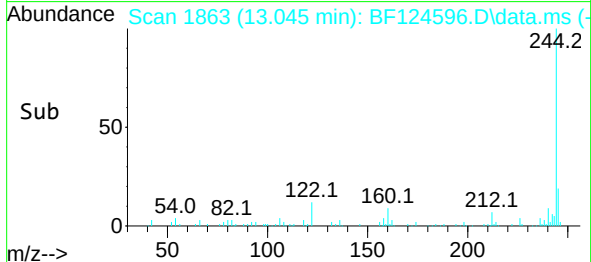
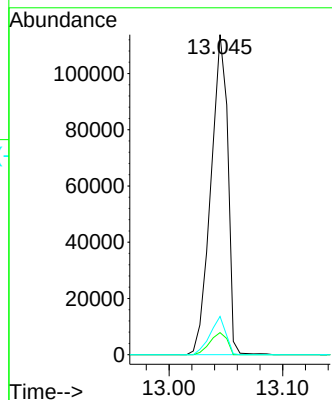
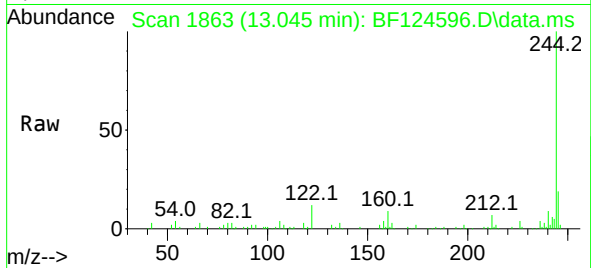




#79  
Terphenyl-d14  
Concen: 111.376 ng  
RT: 13.045 min Scan# 1863  
Delta R.T. -0.000 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB137738BL

Tgt Ion:244 Resp: 117517  
Ion Ratio Lower Upper  
244 100  
212 6.9 5.9 8.9  
122 12.0 9.0 13.4



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.586 min Scan# 2295  
Delta R.T. -0.006 min  
Lab File: BF124596.D  
Acq: 16 Jul 2021 14:55

Tgt Ion:264 Resp: 12518  
Ion Ratio Lower Upper  
264 100  
260 20.4 19.6 29.4  
265 20.2 17.2 25.8

