

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120720\  
 Data File : BF122572.D  
 Acq On : 7 Dec 2020 14:36  
 Operator : JU/CG  
 Sample : PB133427BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133427BL

Quant Time: Dec 07 15:20:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 Response via : Initial Calibration

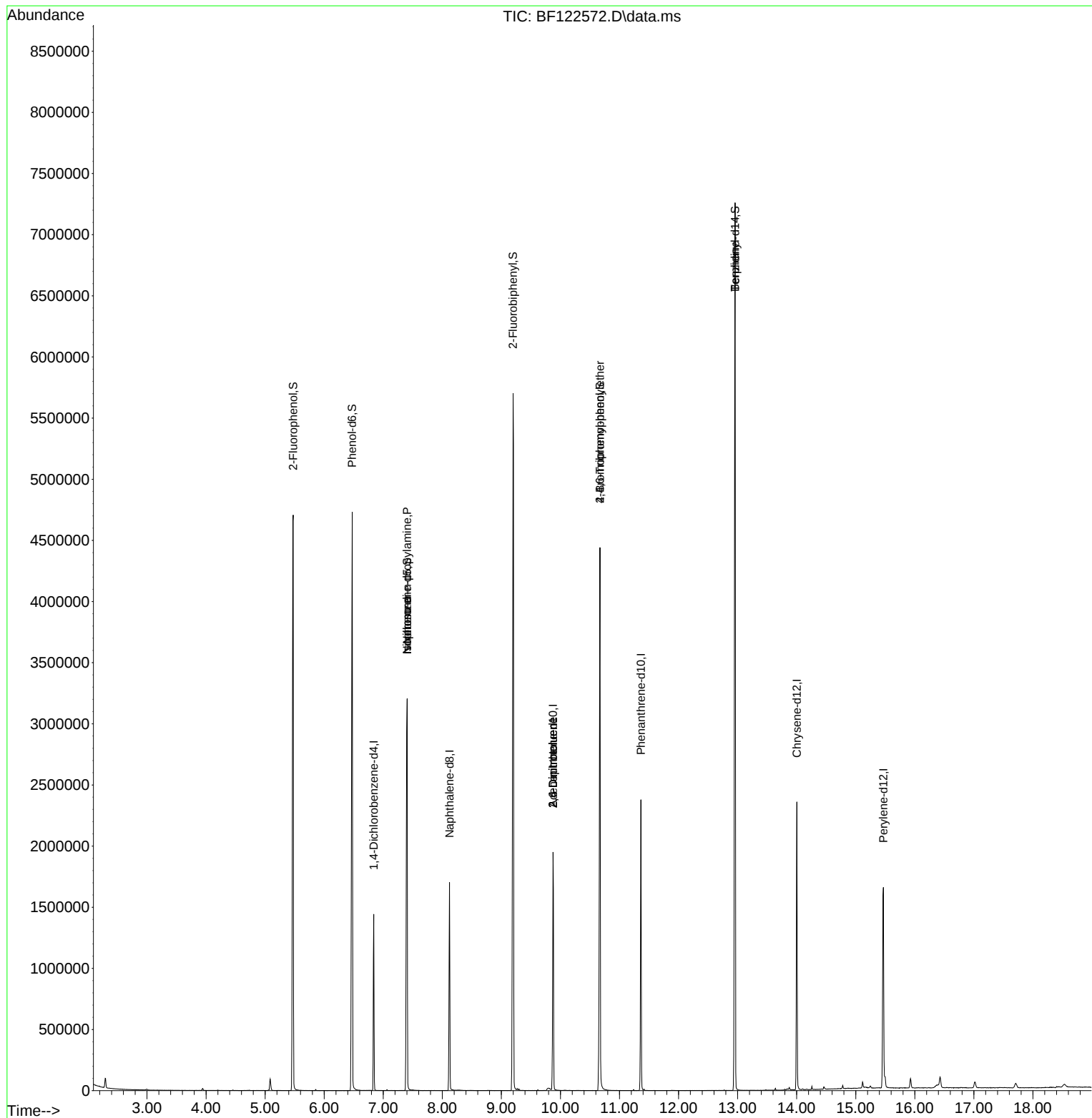
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 207795   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 814954   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 444236   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 838129   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 809841   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 805419   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1589995  | 121.14 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.475  | 99   | 1977083  | 113.58 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 1289769  | 79.29  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 684196   | 117.66 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 2335905  | 71.12  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 2733951  | 59.09  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 175003   | 17.55  | ng    | Qvalue   |
| 25) Isophorone                | 7.404  | 82   | 1279261  | 45.66  | ng    | # 78     |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 55848    | 7.45   | ng    | # 65     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 55848    | 5.60   | ng    | # 31     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 42518    | 3.74   | ng    | # 25     |
| 77) Benzidine                 | 12.957 | 184  | 35377    | 2.02   | ng    | # 1      |
| -----                         |        |      |          |        |       |          |

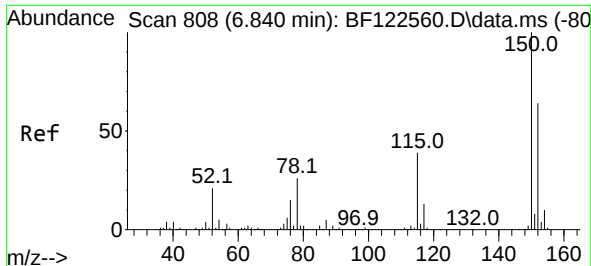
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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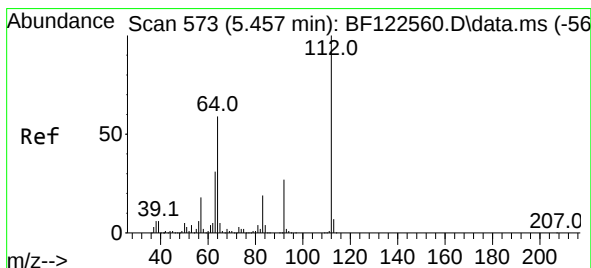
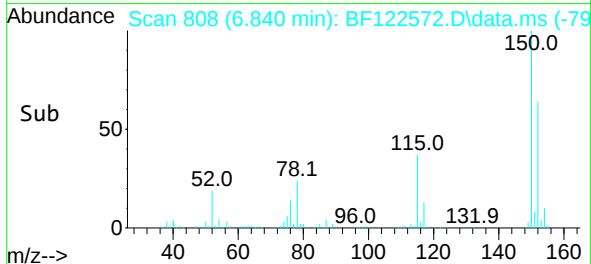
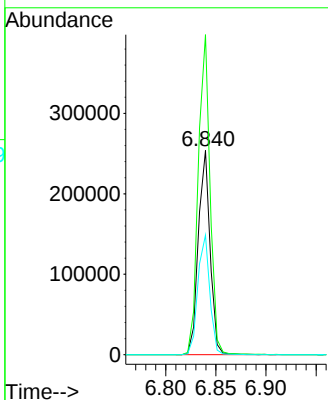
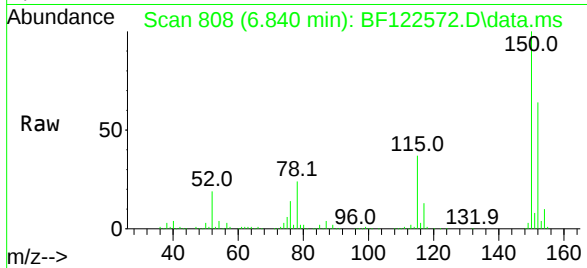




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.840 min Scan# 808  
Delta R.T. -0.000 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

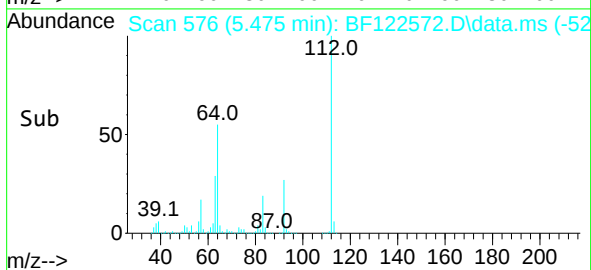
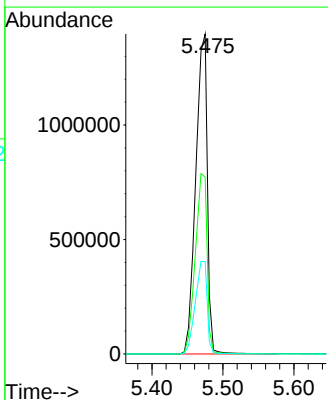
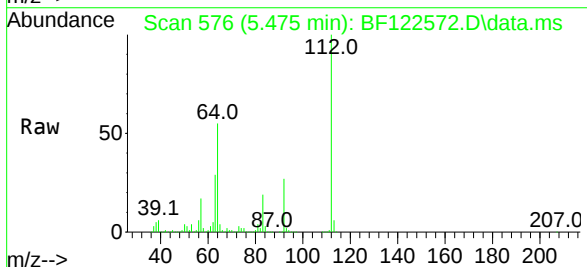
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ClientSampleId :  
PB133427BL

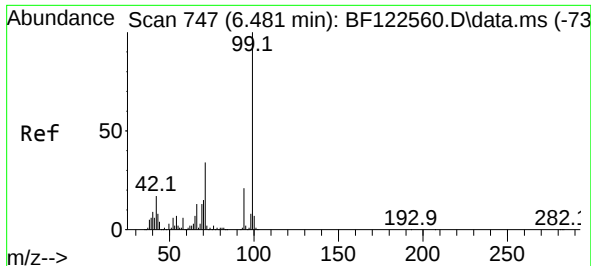
Tgt Ion:152 Resp: 207795  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.8 188.6  
115 58.5 49.3 73.9



#5  
2-Fluorophenol  
Concen: 121.14 ng  
RT: 5.475 min Scan# 576  
Delta R.T. 0.018 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:112 Resp: 1589995  
Ion Ratio Lower Upper  
112 100  
64 55.3 46.9 70.3  
63 28.9 24.5 36.7



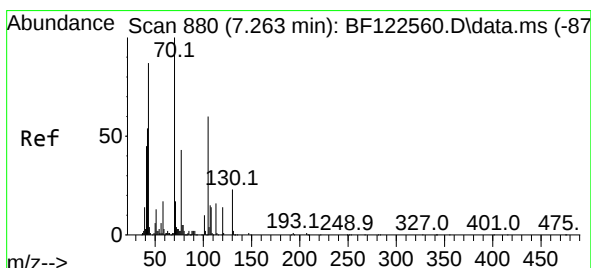
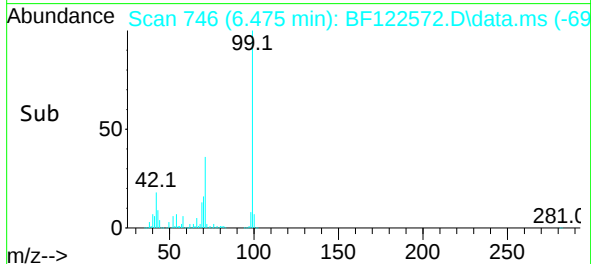
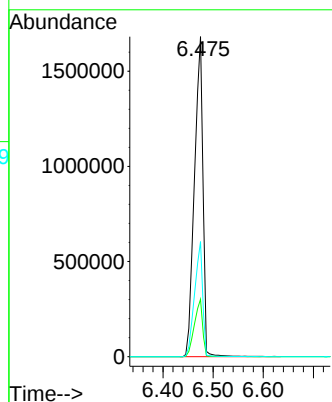
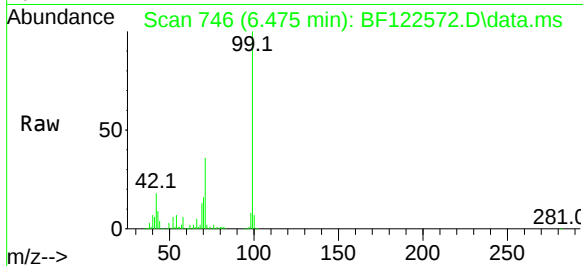


#7  
Phenol-d6  
Concen: 113.58 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB133427BL

Tgt Ion: 99 Resp: 1977083

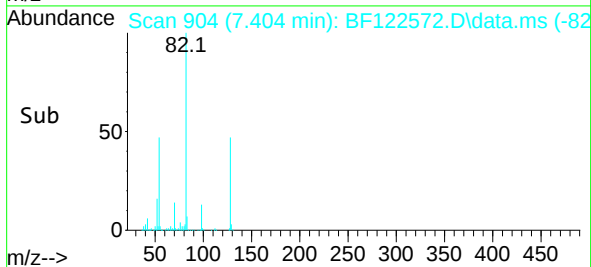
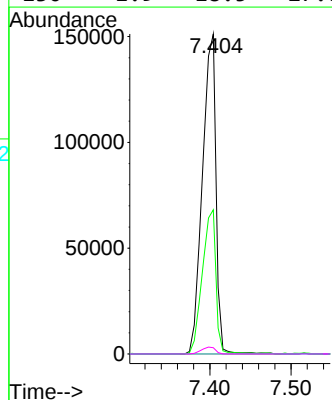
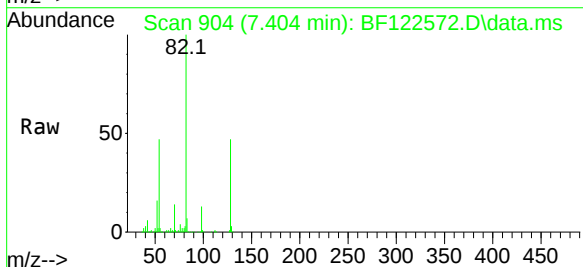
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.0  | 13.8  | 20.6  |
| 71  | 35.9  | 26.9  | 40.3  |

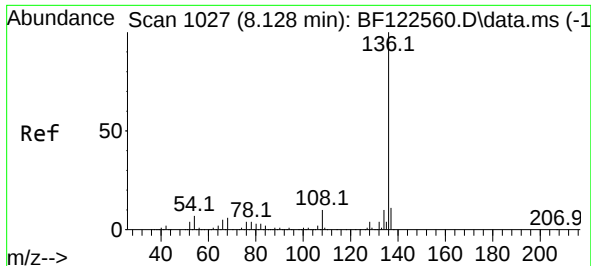


#19  
n-Nitroso-di-n-propylamine  
Concen: 17.55 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.141 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion: 70 Resp: 175003

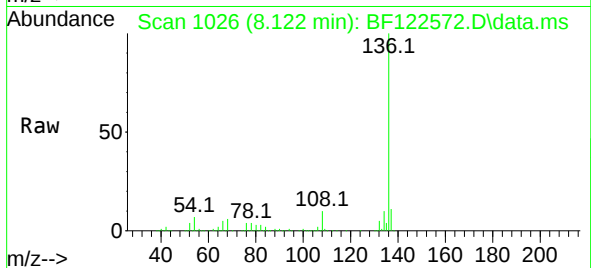
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 45.0  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 1.9   | 18.5  | 27.7# |



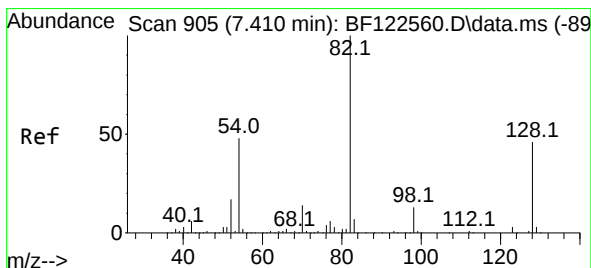
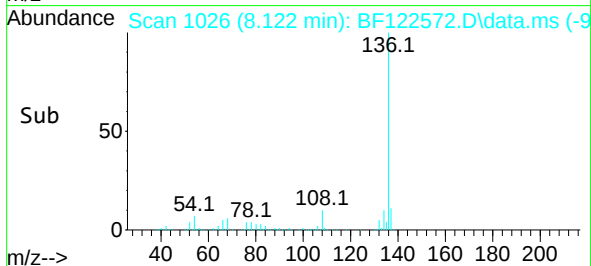
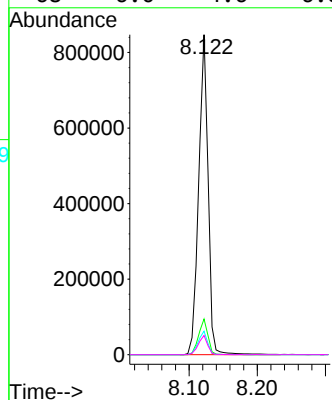


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Instrument :  
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PB133427BL

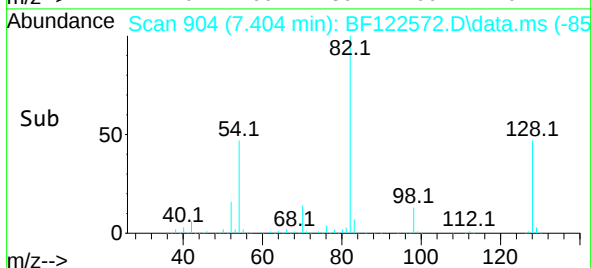
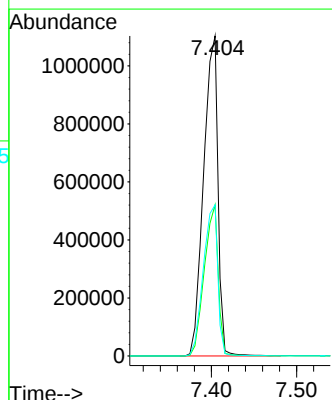
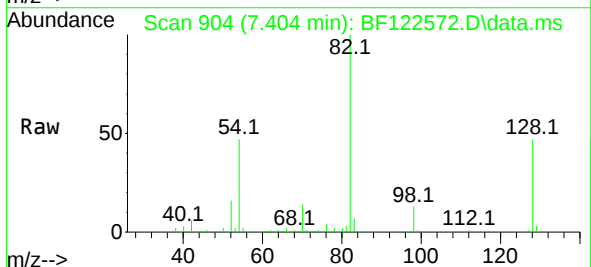


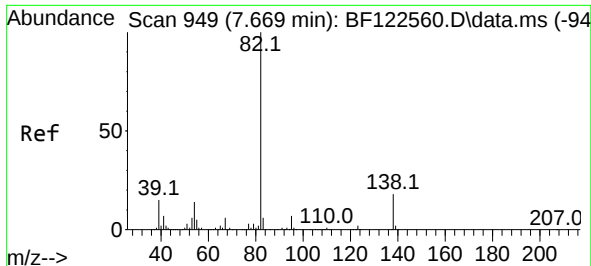
Tgt Ion:136 Resp: 814954  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 7.4 5.5 8.3  
68 6.0 4.6 6.8



#23  
Nitrobenzene-d5  
Concen: 79.29 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

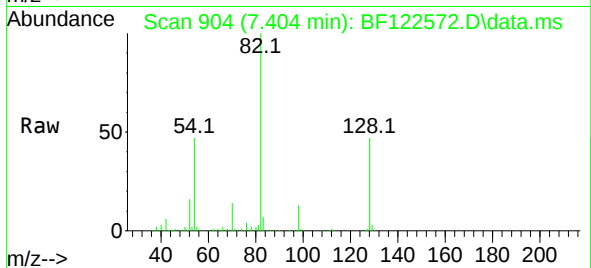
Tgt Ion: 82 Resp: 1289769  
Ion Ratio Lower Upper  
82 100  
128 47.2 37.0 55.4  
54 47.2 38.4 57.6



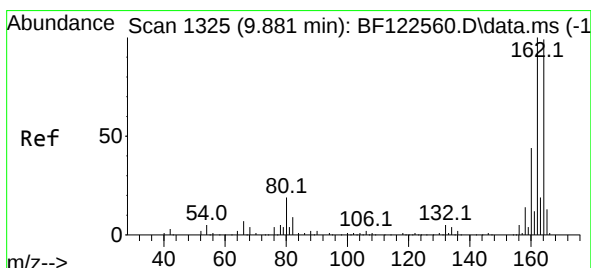
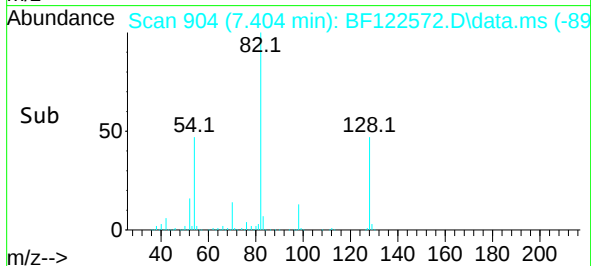
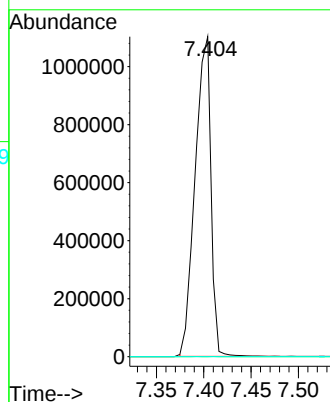


#25  
Isophorone  
Concen: 45.66 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.265 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Instrument :  
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ClientSampleId :  
PB133427BL

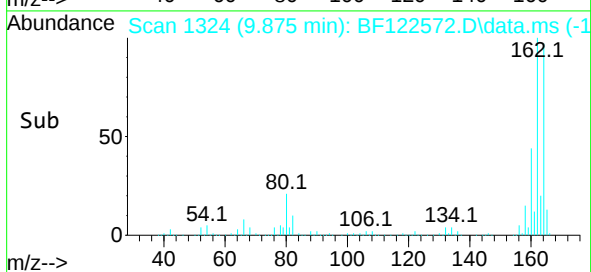
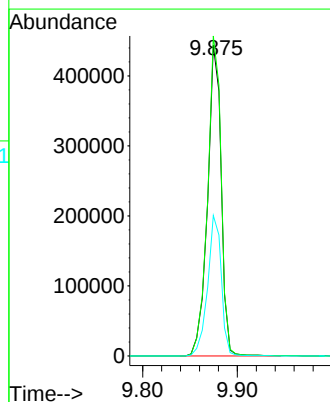
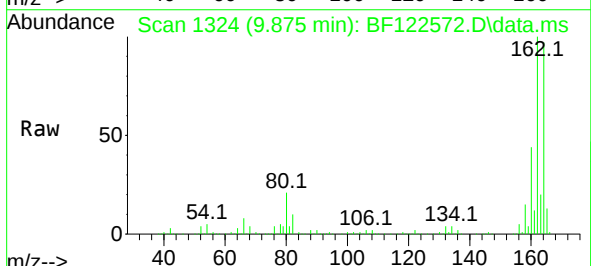


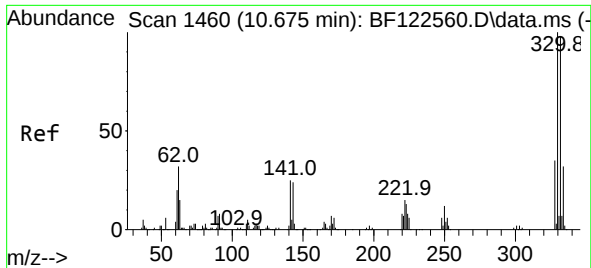
Tgt Ion: 82 Resp: 1279261  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion: 164 Resp: 444236  
Ion Ratio Lower Upper  
164 100  
162 103.1 80.8 121.2  
160 45.3 35.4 53.0

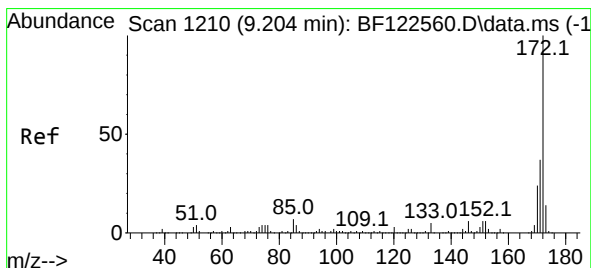
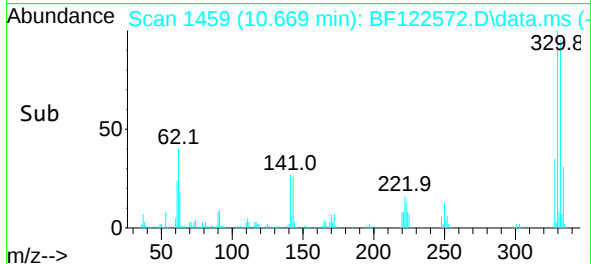
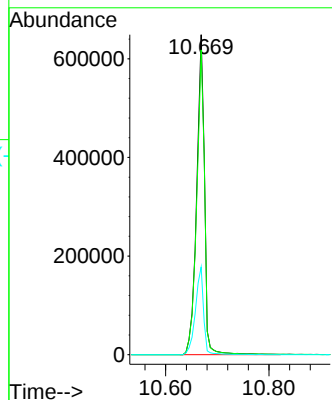
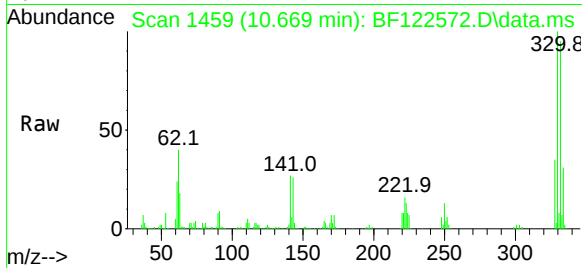




#42  
2,4,6-Tribromophenol  
Concen: 117.66 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

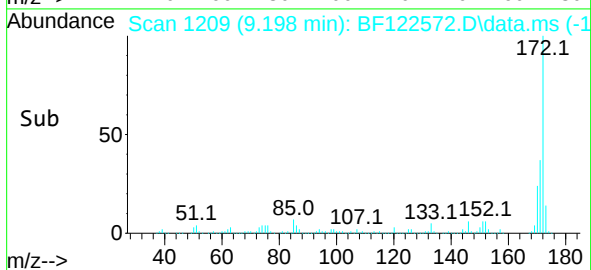
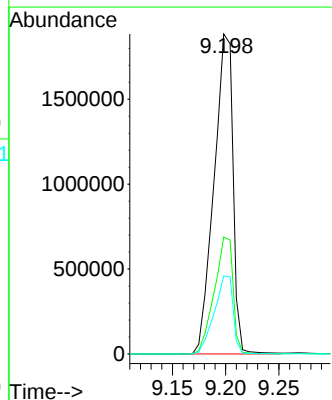
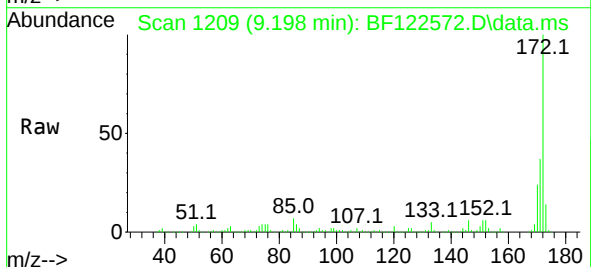
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ClientSampleId :  
PB133427BL

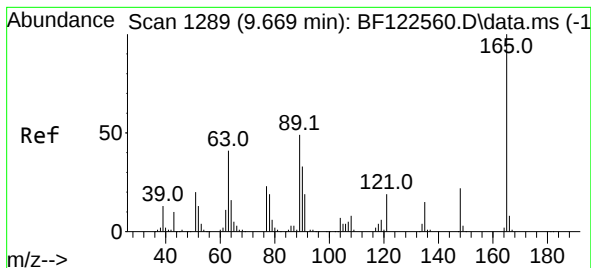
Tgt Ion: 330 Resp: 684196  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.5 116.3  
141 28.4 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 71.12 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion: 172 Resp: 2335905  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.6 44.4  
170 24.4 19.5 29.3

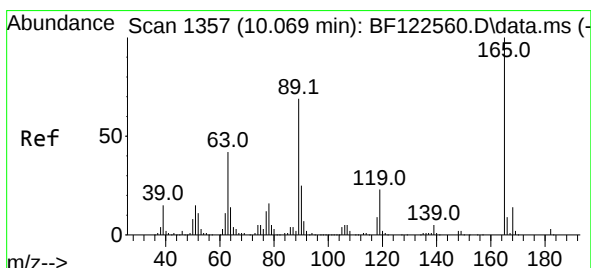
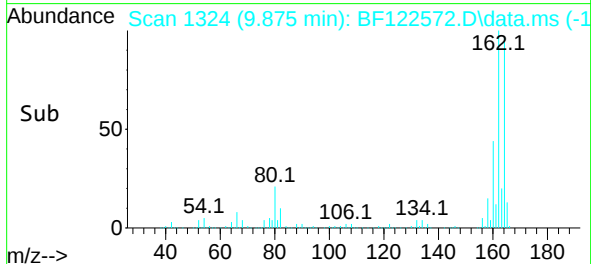
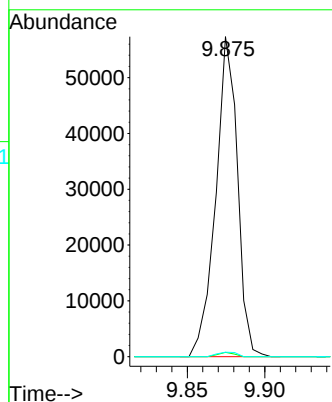
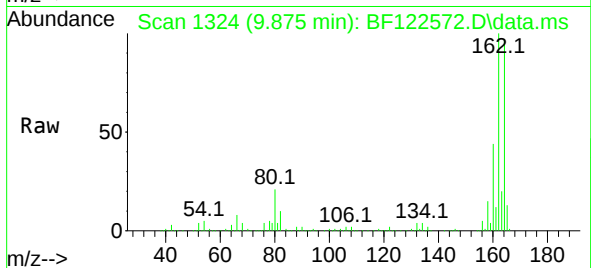




#51  
2,6-Dinitrotoluene  
Concen: 7.45 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.206 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

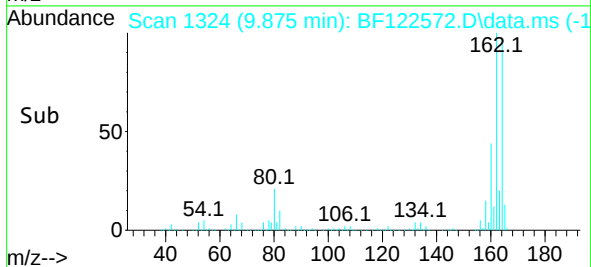
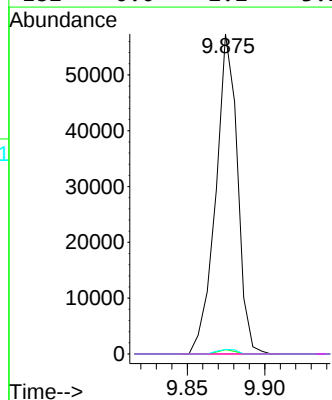
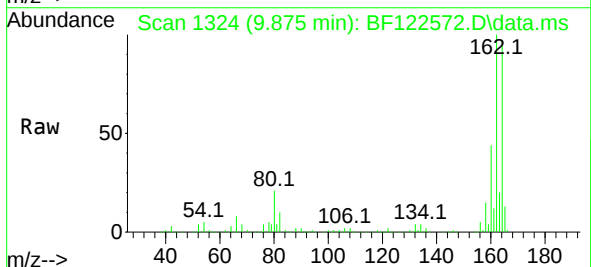
Instrument :  
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PB133427BL

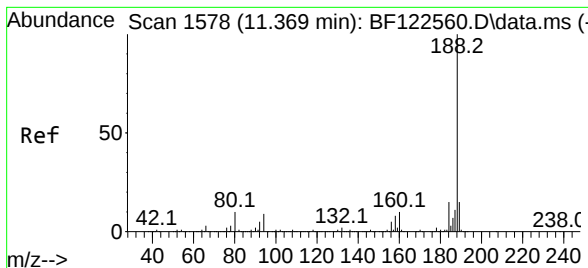
Tgt Ion:165 Resp: 55848  
Ion Ratio Lower Upper  
165 100  
63 1.4 36.6 55.0#  
89 1.4 39.4 59.0#



#57  
2,4-Dinitrotoluene  
Concen: 5.60 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.194 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:165 Resp: 55848  
Ion Ratio Lower Upper  
165 100  
63 1.4 34.3 51.5#  
89 1.4 55.2 82.8#  
182 0.0 2.2 3.2#

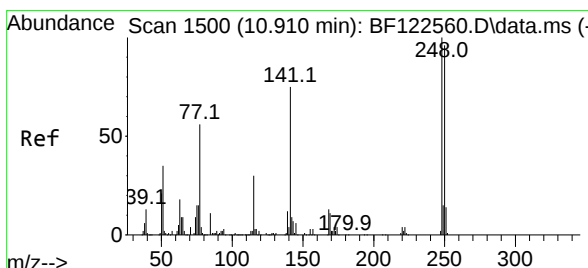
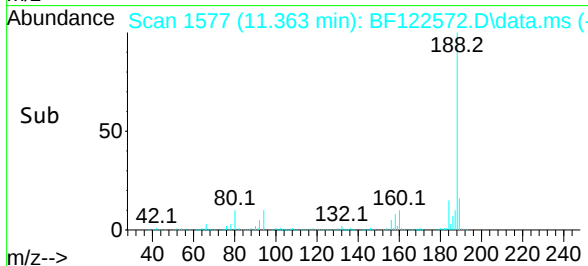
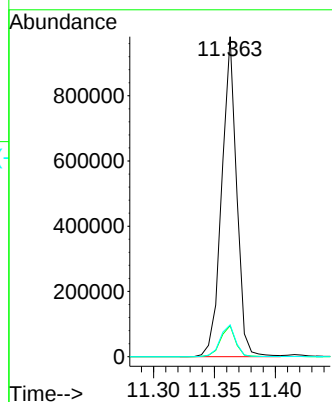
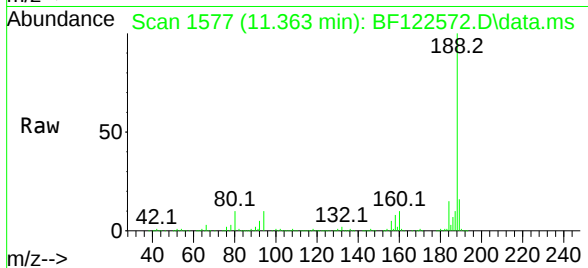




#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

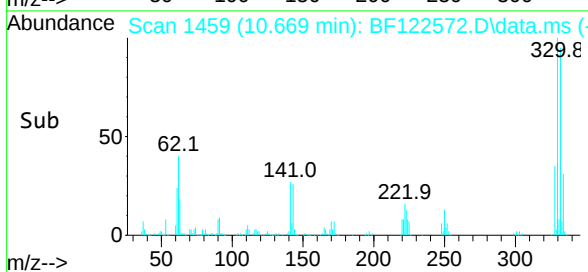
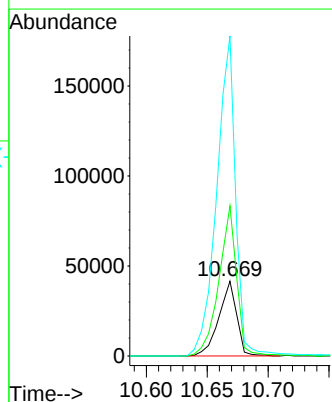
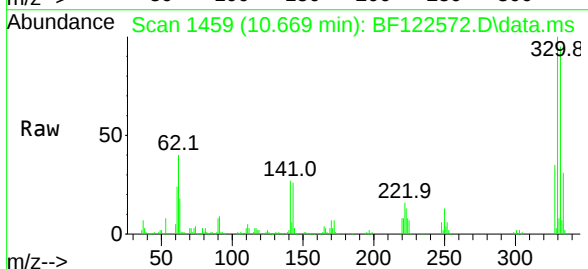
Instrument :  
BNA\_F  
ClientSampleId :  
PB133427BL

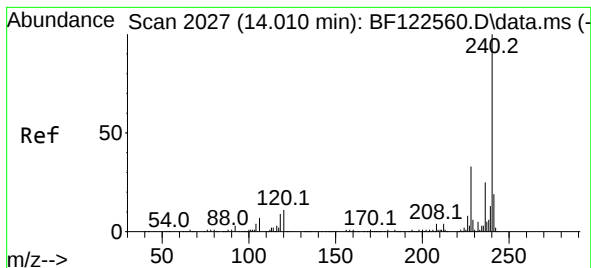
Tgt Ion:188 Resp: 838129  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.4 11.2  
80 9.9 8.2 12.4



#67  
4-Bromophenyl-phenylether  
Concen: 3.74 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.241 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:248 Resp: 42518  
Ion Ratio Lower Upper  
248 100  
250 200.8 76.8 115.2#  
141 428.3 59.8 89.8#

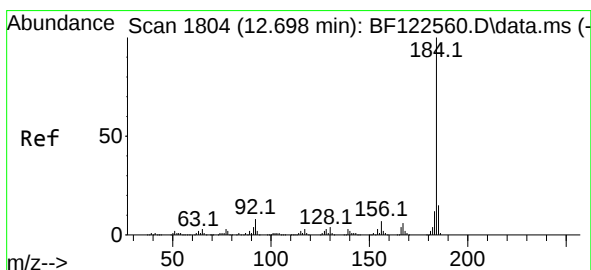
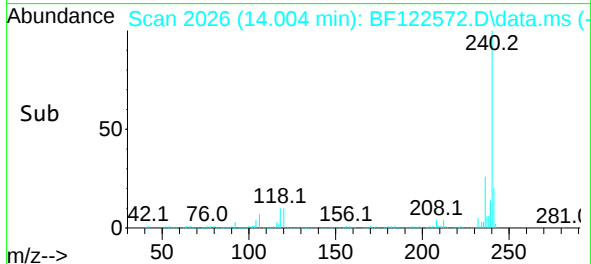
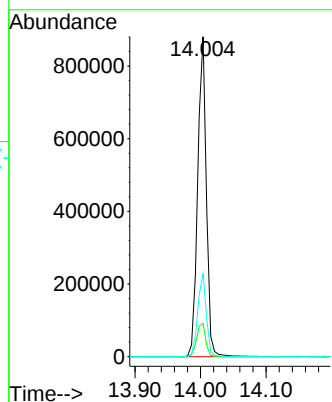
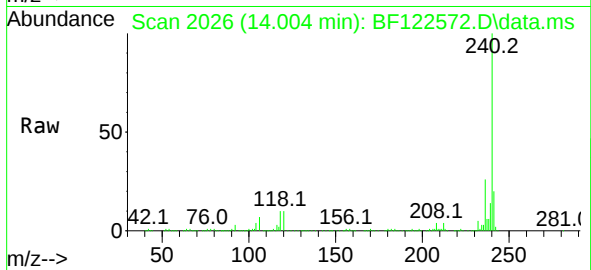




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

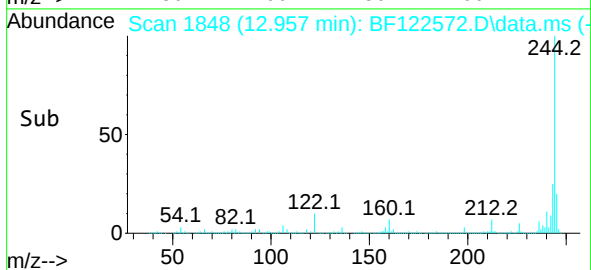
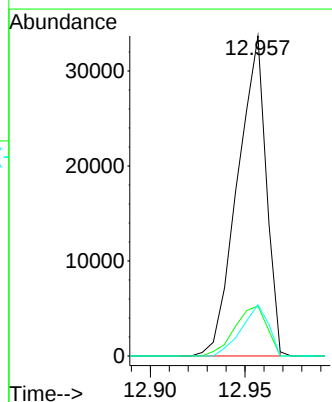
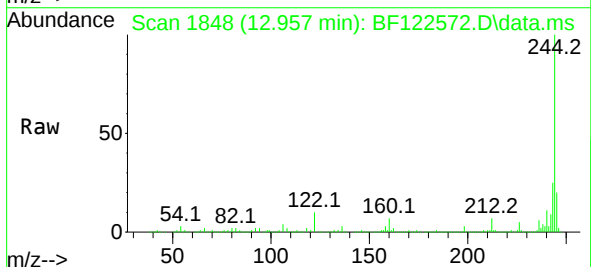
Instrument :  
BNA\_F  
ClientSampleId :  
PB133427BL

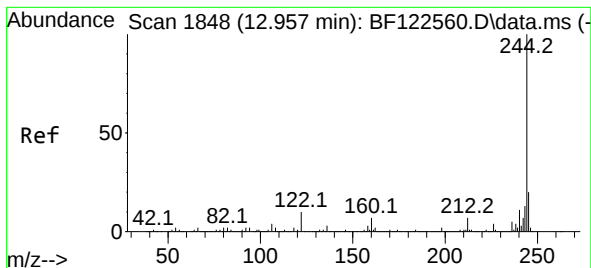
Tgt Ion:240 Resp: 809841  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.6 12.8  
236 26.0 20.3 30.5



#77  
Benzidine  
Concen: 2.02 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. 0.259 min  
Lab File: BF122572.D  
Acq: 7 Dec 2020 14:36

Tgt Ion:184 Resp: 35377  
Ion Ratio Lower Upper  
184 100  
185 15.6 11.8 17.6  
183 16.0 9.7 14.5#





#79

Terphenyl-d14

Concen: 59.09 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.000 min

Lab File: BF122572.D

Acq: 7 Dec 2020 14:36

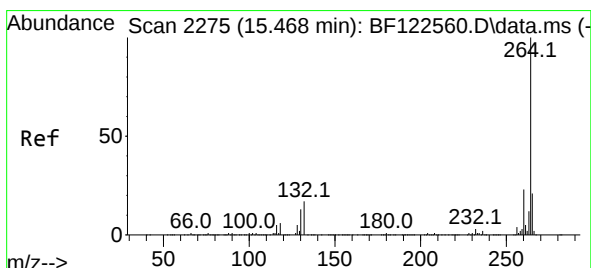
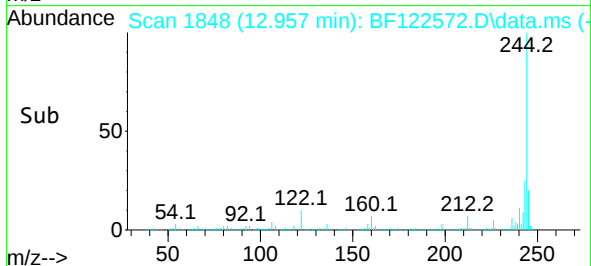
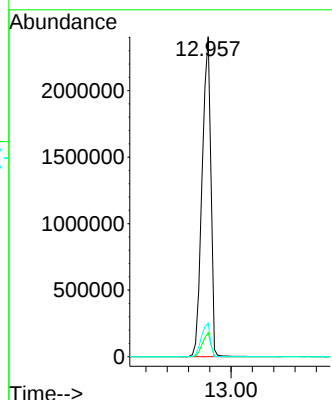
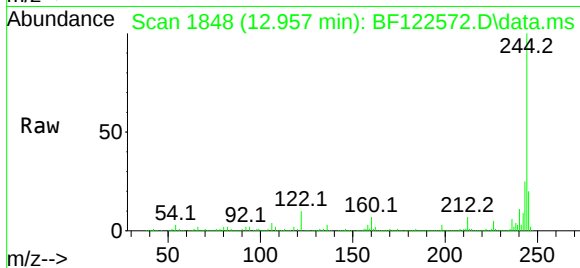
Tgt Ion:244 Resp: 2733951

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 10.5 8.3 12.5



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.000 min

Lab File: BF122572.D

Acq: 7 Dec 2020 14:36

Tgt Ion:264 Resp: 805419

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

265 22.0 17.0 25.6

