

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
 Data File : BF122070.D  
 Acq On : 22 Oct 2020 1:21  
 Operator : JU/CG  
 Sample : L4457-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUTTON-PR-2152-SED

Quant Time: Oct 22 03:03:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 12:04:42 2020  
 Response via : Initial Calibration

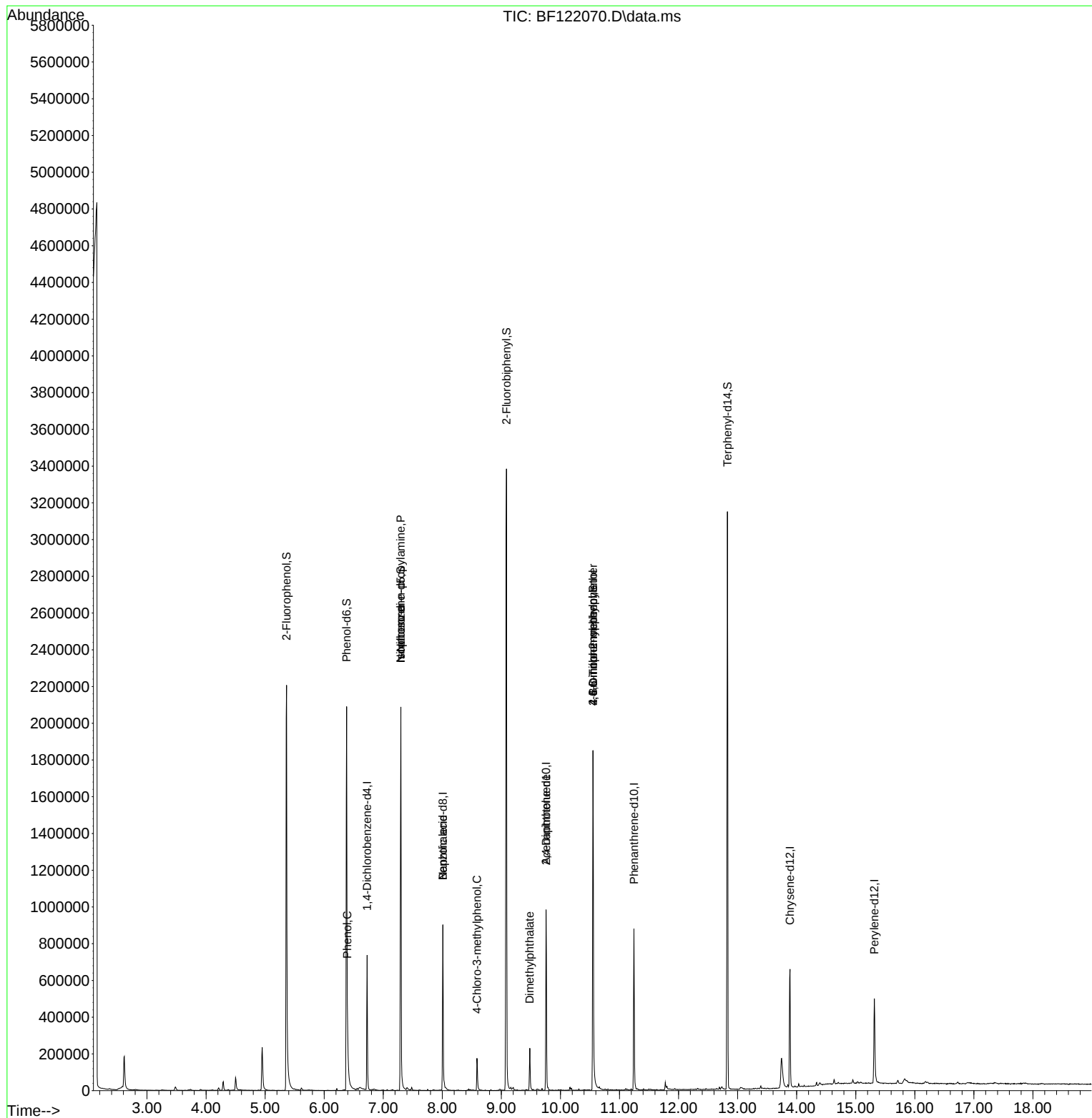
| Compound                      | R.T.   | QIon | Response | Conc      | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|-------|----------|
| -----                         |        |      |          |           |       |          |
| Internal Standards            |        |      |          |           |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 96759    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 389556   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.757  | 164  | 192919   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 318903   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 240455   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12              | 15.315 | 264  | 216458   | 20.00     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| System Monitoring Compounds   |        |      |          |           |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 705774   | 107.66    | ng    | 0.02     |
| 7) Phenol-d6                  | 6.381  | 99   | 778661   | 92.27     | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 675206   | 88.89     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.551 | 330  | 261074   | 109.40    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1157154  | 88.25     | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 995427   | 78.89     | ng    | 0.00     |
|                               |        |      |          |           |       |          |
| Target Compounds              |        |      |          |           |       | Qvalue   |
| 9) Benzaldehyde               | 6.381  | 77   | 1404     | Below Cal | #     | 3        |
| 10) Phenol                    | 6.392  | 94   | 42657    | 4.90      | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 92268    | 19.20     | ng    | # 80     |
| 25) Isophorone                | 7.298  | 82   | 671639   | 46.76     | ng    | # 67     |
| 32) Benzoic acid              | 8.010  | 122  | 108      | 7.71      | ng    | # 1      |
| 36) 4-Chloro-3-methylphenol   | 8.586  | 107  | 26196    | 4.09      | ng    | # 22     |
| 50) Dimethylphthalate         | 9.480  | 163  | 96622    | 6.85      | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 9.757  | 165  | 24141    | 6.34      | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198  | 543      | 4.66      | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.551 | 248  | 15430    | 4.19      | ng    | # 1      |
| -----                         |        |      |          |           |       |          |

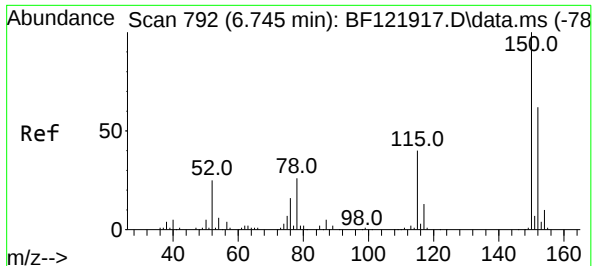
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
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Sample : L4457-01  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

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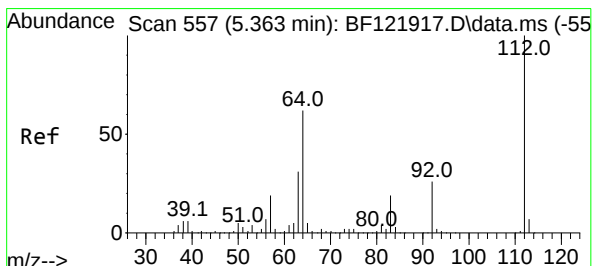
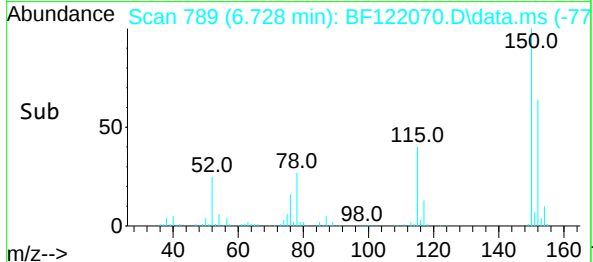
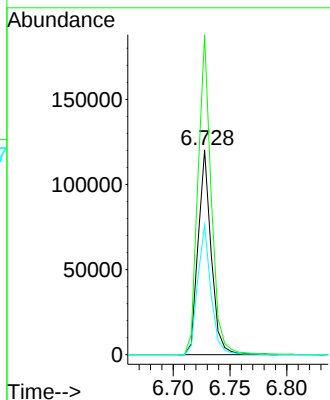
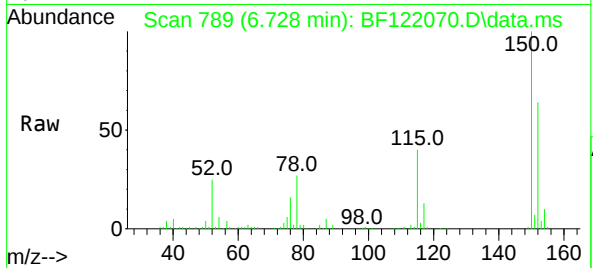




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.728 min Scan# 789  
 Delta R.T. -0.000 min  
 Lab File: BF122070.D  
 Acq: 22 Oct 2020 1:21

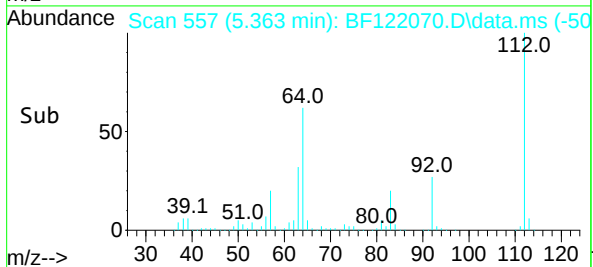
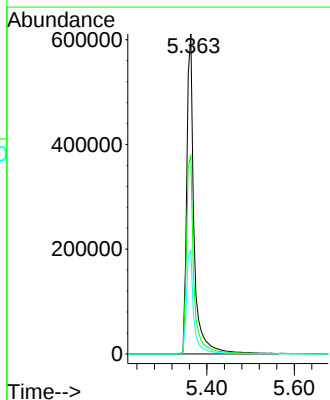
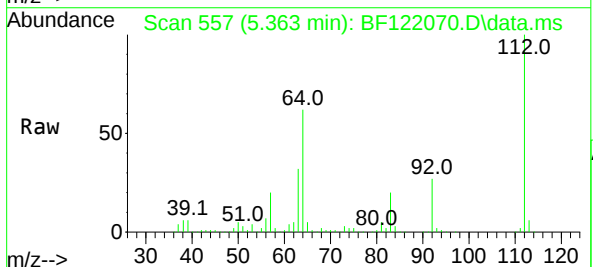
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUTTON-PR-2152-SED

Tgt Ion:152 Resp: 96759  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 125.3 187.9  
 115 63.2 51.9 77.9



#5  
 2-Fluorophenol  
 Concen: 107.66 ng  
 RT: 5.363 min Scan# 557  
 Delta R.T. 0.018 min  
 Lab File: BF122070.D  
 Acq: 22 Oct 2020 1:21

Tgt Ion:112 Resp: 705774  
 Ion Ratio Lower Upper  
 112 100  
 64 61.9 50.4 75.6  
 63 32.4 25.8 38.6

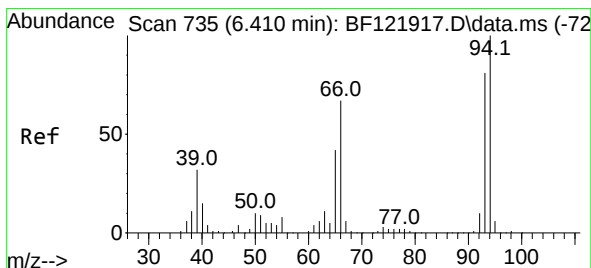
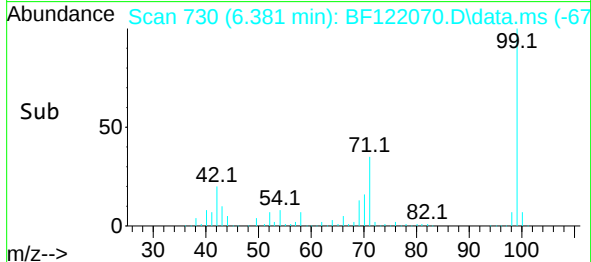
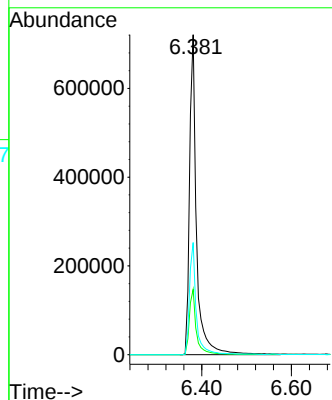
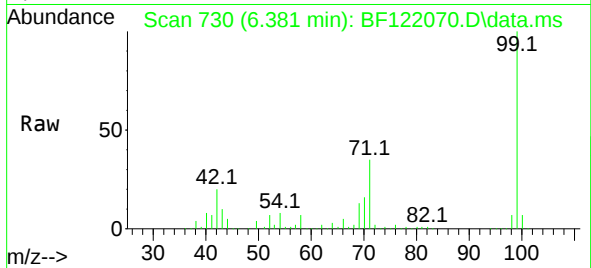




#7  
Phenol-d6  
Concen: 92.27 ng  
RT: 6.381 min Scan# 730  
Delta R.T. -0.000 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

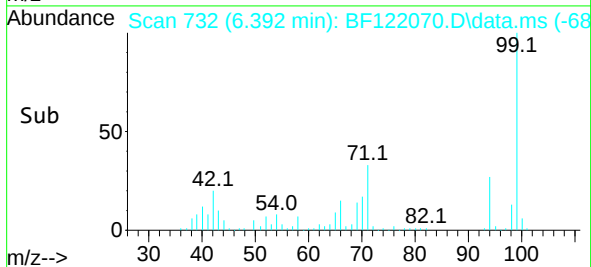
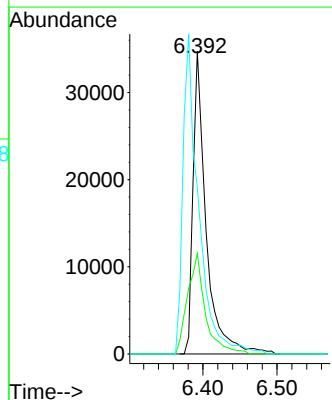
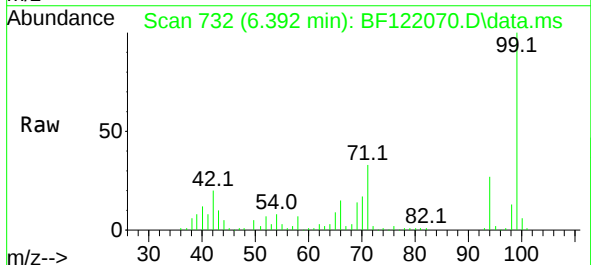
Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

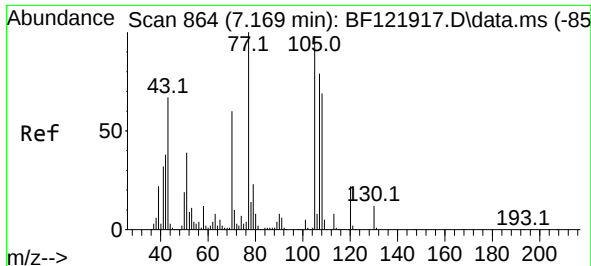
Tgt Ion: 99 Resp: 778661  
Ion Ratio Lower Upper  
99 100  
42 20.4 15.9 23.9  
71 35.0 27.1 40.7



#10  
Phenol  
Concen: 4.90 ng  
RT: 6.392 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

Tgt Ion: 94 Resp: 42657  
Ion Ratio Lower Upper  
94 100  
65 33.1 17.1 57.1  
66 55.0 36.0 76.0

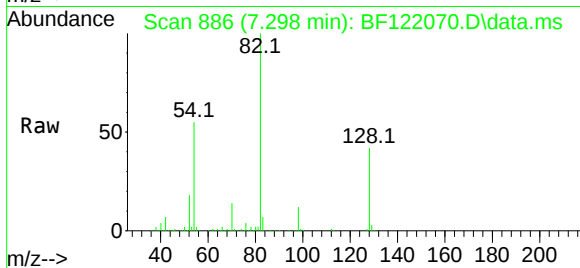




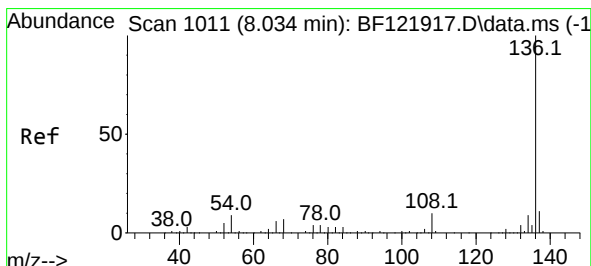
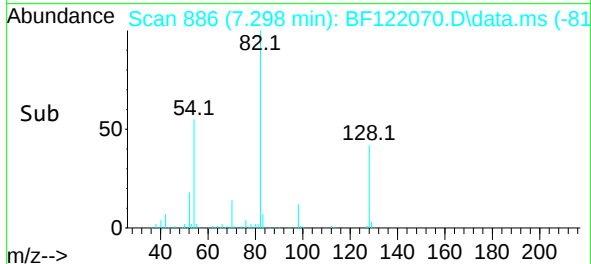
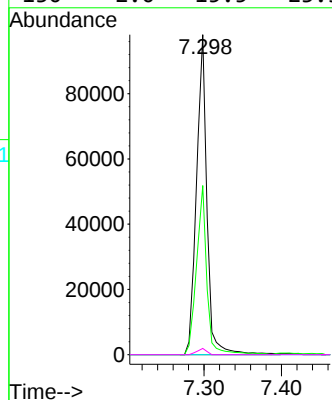
#19

n-Nitroso-di-n-propylamine  
Concen: 19.20 ng  
RT: 7.298 min Scan# 886  
Delta R.T. 0.141 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

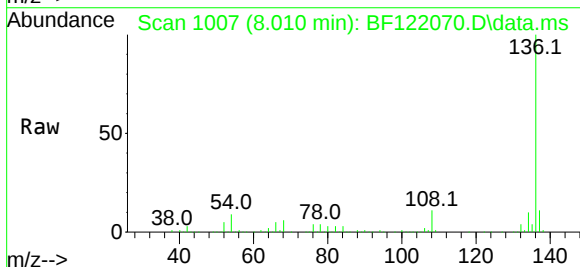


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 92268 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 52.9  | 50.2  | 75.4  |
| 101      | 0.0   | 7.5   | 11.3# |
| 130      | 2.0   | 15.5  | 23.3# |

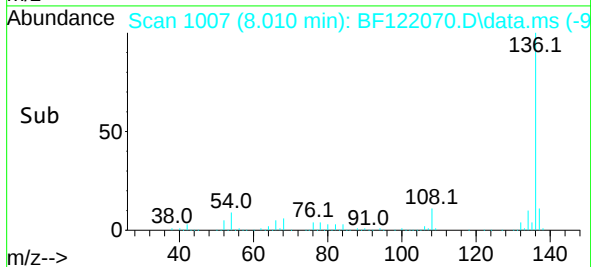
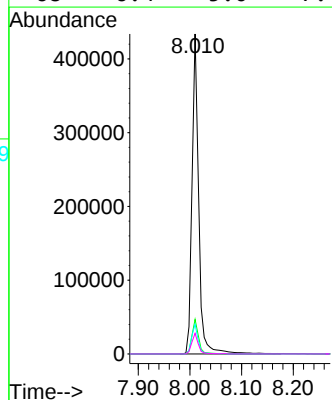


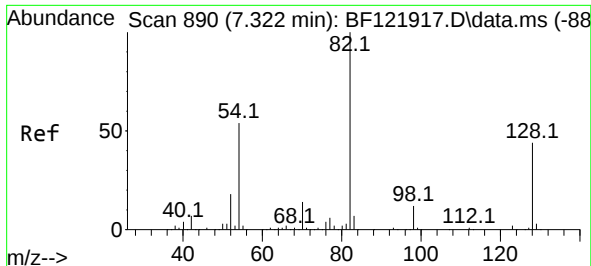
#21

Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.000 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 389556 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 9.2   | 7.1   | 10.7   |
| 68       | 6.4   | 5.0   | 7.4    |

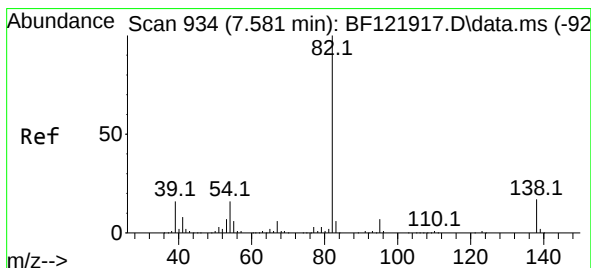
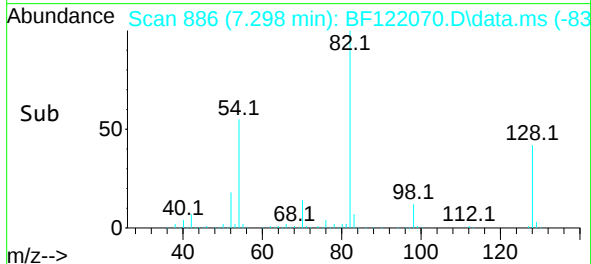
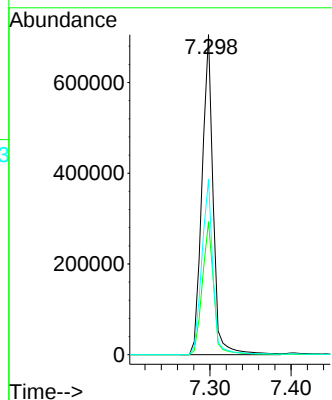
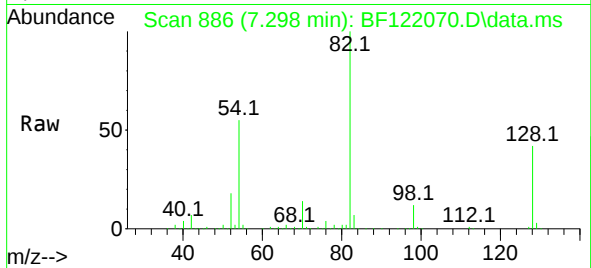




#23  
Nitrobenzene-d5  
Concen: 88.89 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

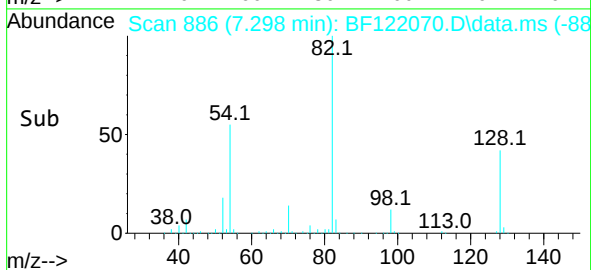
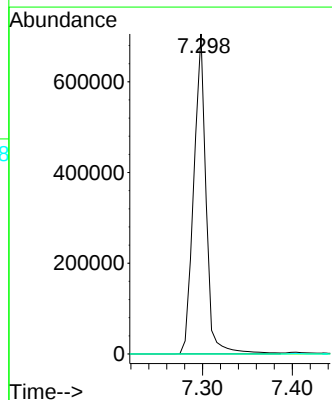
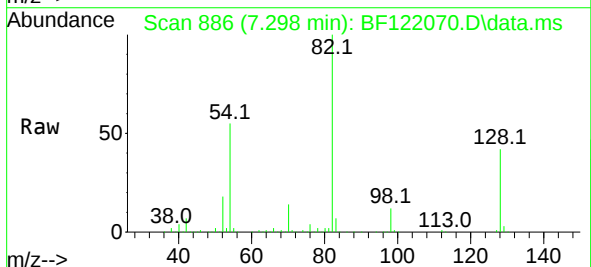
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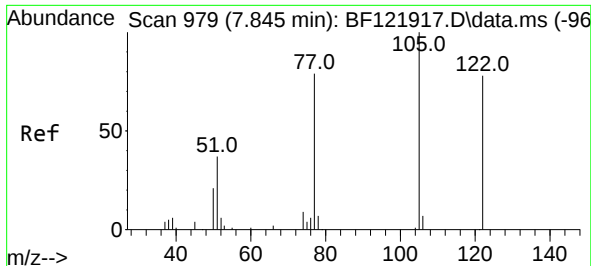
Tgt Ion: 82 Resp: 675206  
Ion Ratio Lower Upper  
82 100  
128 41.6 35.0 52.4  
54 54.8 43.9 65.9



#25  
Isophorone  
Concen: 46.76 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.265 min  
Lab File: BF122070.D  
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Tgt Ion: 82 Resp: 671639  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#

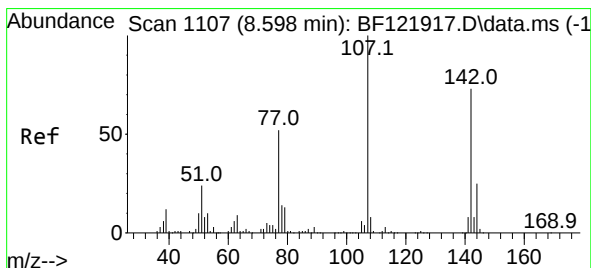
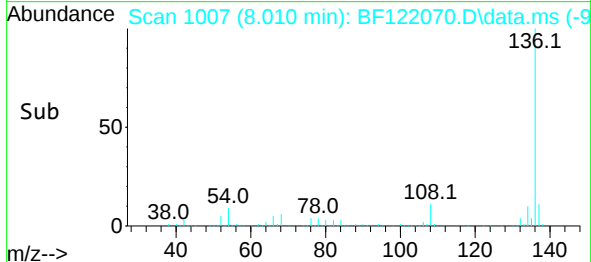
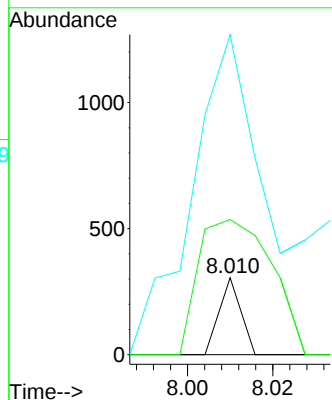
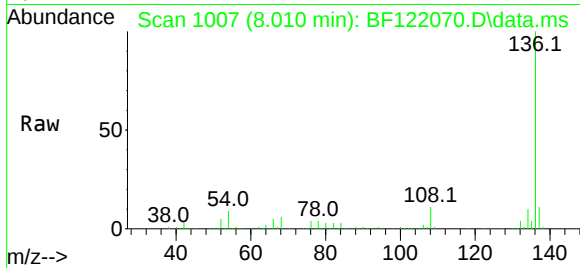




#32  
Benzoic acid  
Concen: 7.71 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. 0.165 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

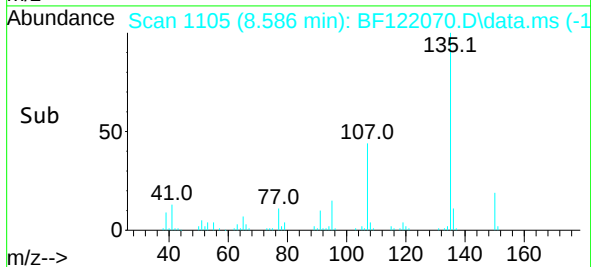
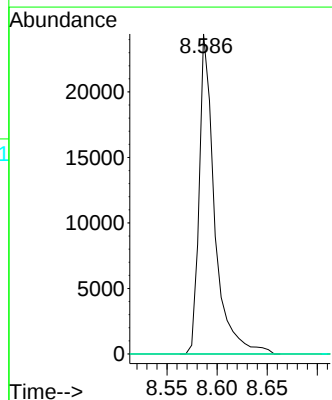
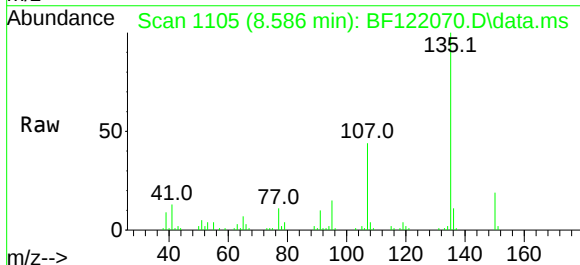
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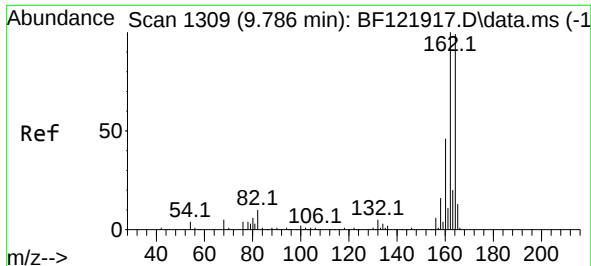
Tgt Ion:122 Resp: 108  
Ion Ratio Lower Upper  
122 100  
105 175.7 103.3 143.3#  
77 416.1 73.9 113.9#



#36  
4-Chloro-3-methylphenol  
Concen: 4.09 ng  
RT: 8.586 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

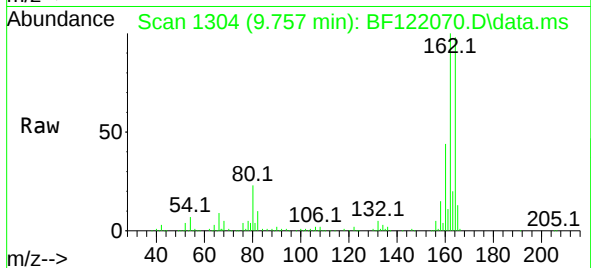
Tgt Ion:107 Resp: 26196  
Ion Ratio Lower Upper  
107 100  
144 0.0 20.1 30.1#  
142 0.0 59.3 88.9#



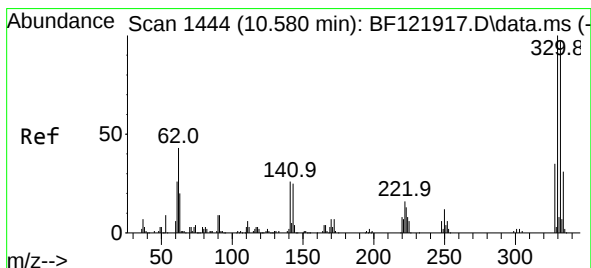
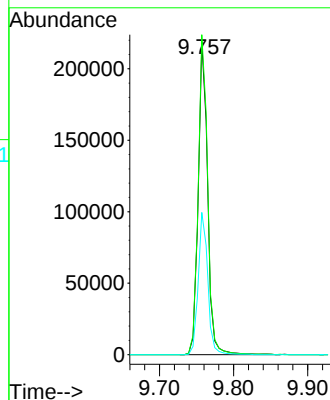
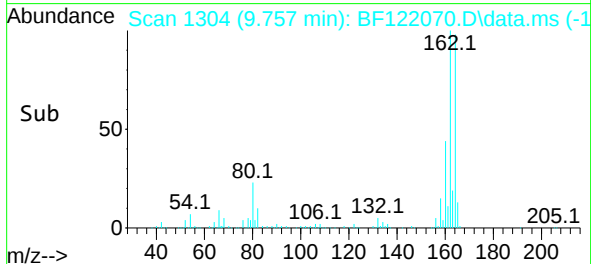


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

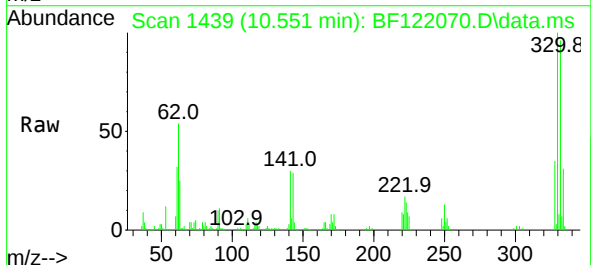
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BNA\_F  
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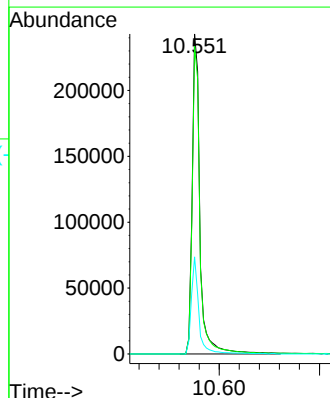
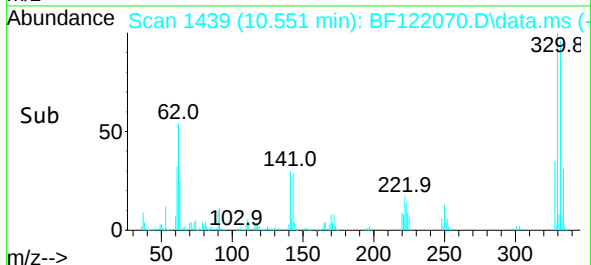
Tgt Ion:164 Resp: 192919  
Ion Ratio Lower Upper  
164 100  
162 102.4 83.2 124.8  
160 45.5 37.5 56.3

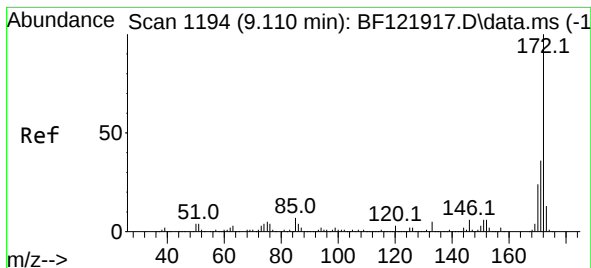


#42  
2,4,6-Tribromophenol  
Concen: 109.40 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21



Tgt Ion:330 Resp: 261074  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.3 115.9  
141 29.6 22.3 33.5

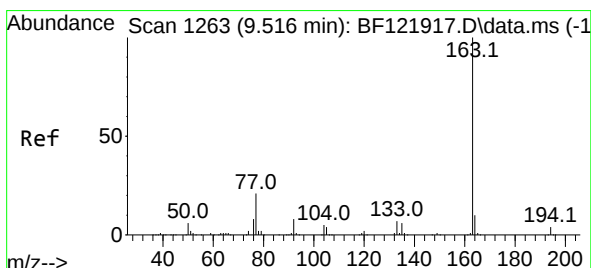
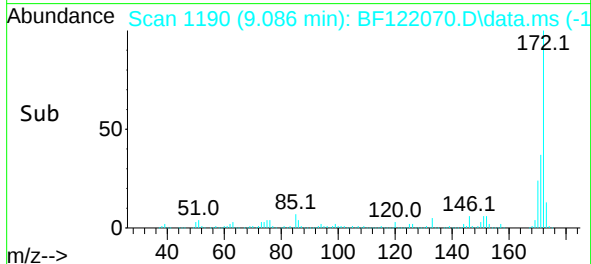
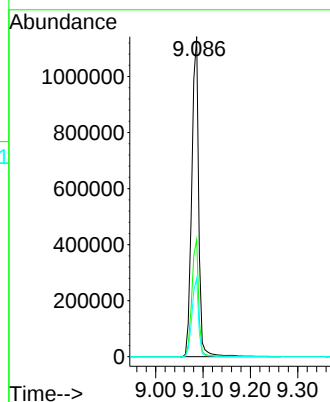
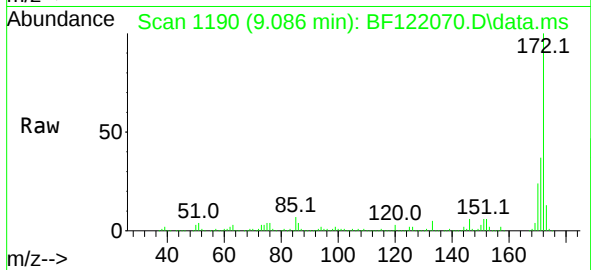




#45  
2-Fluorobiphenyl  
Concen: 88.25 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. -0.000 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

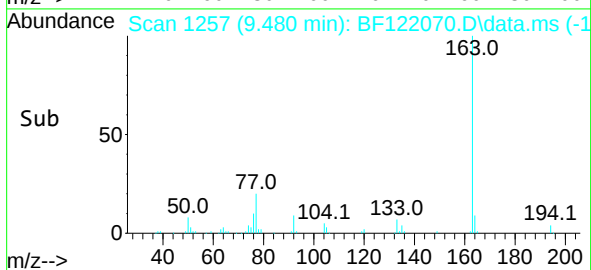
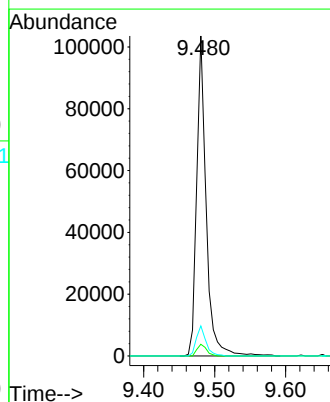
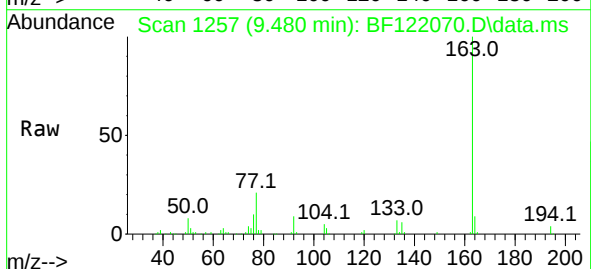
Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

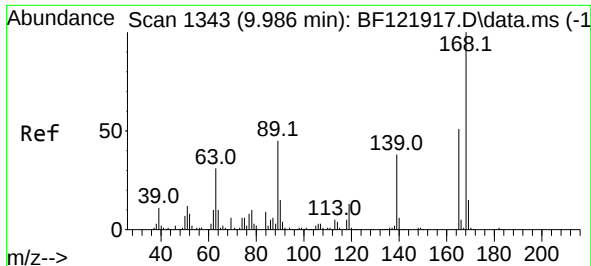
Tgt Ion:172 Resp: 1157154  
Ion Ratio Lower Upper  
172 100  
171 36.6 29.1 43.7  
170 24.4 19.8 29.6



#50  
Dimethylphthalate  
Concen: 6.85 ng  
RT: 9.480 min Scan# 1257  
Delta R.T. -0.012 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

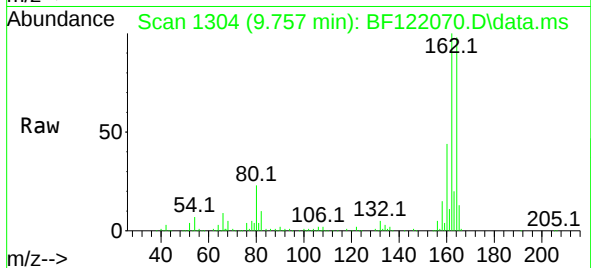
Tgt Ion:163 Resp: 96622  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 9.4 8.2 12.4



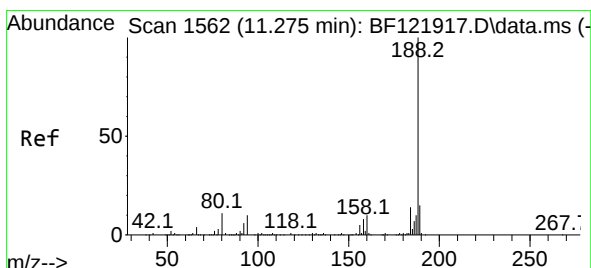
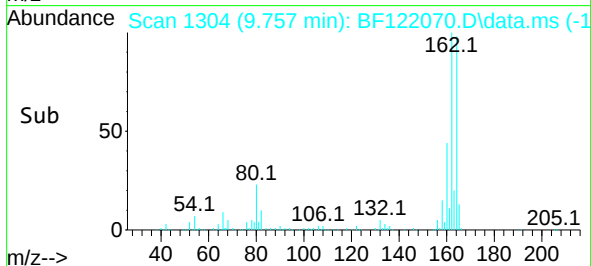
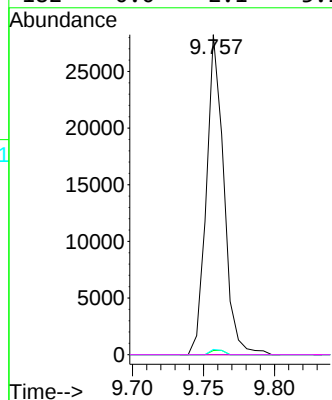


#57  
2,4-Dinitrotoluene  
Concen: 6.34 ng  
RT: 9.757 min Scan# 1304  
Delta R.T. -0.218 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

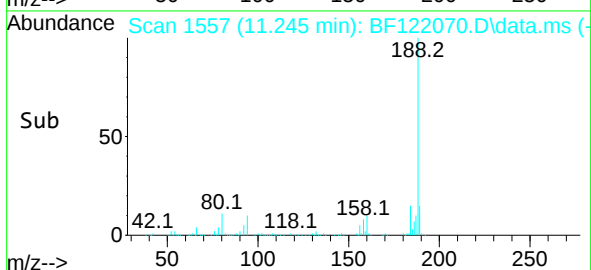
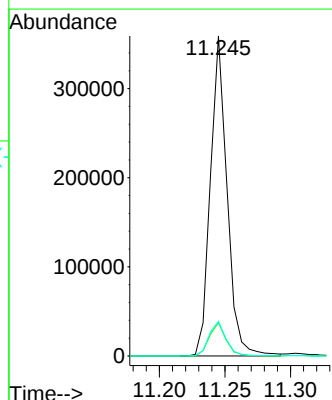
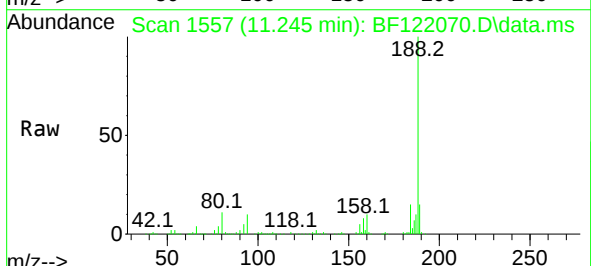


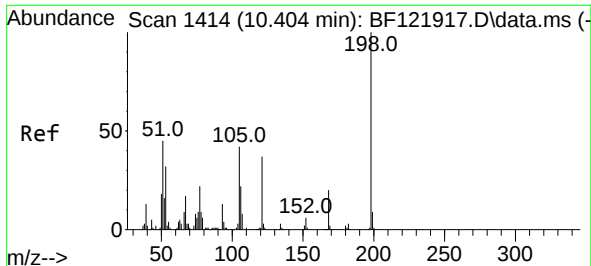
Tgt Ion:165 Resp: 24141  
Ion Ratio Lower Upper  
165 100  
63 1.3 41.3 61.9#  
89 1.6 61.8 92.8#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.245 min Scan# 1557  
Delta R.T. -0.000 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

Tgt Ion:188 Resp: 318903  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.3 12.5  
80 10.8 9.1 13.7

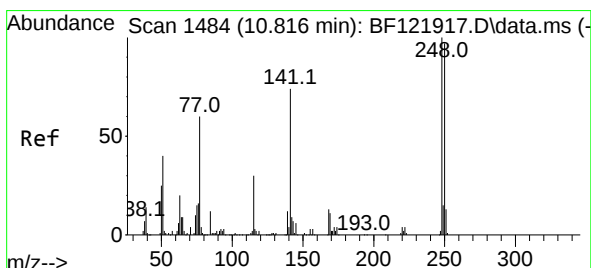
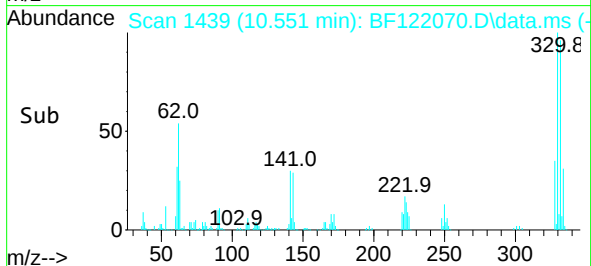
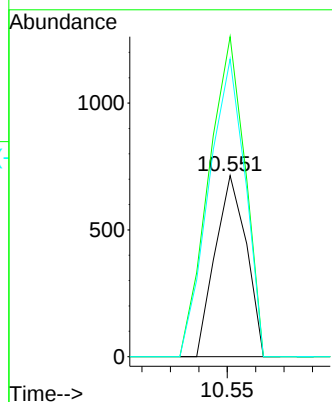
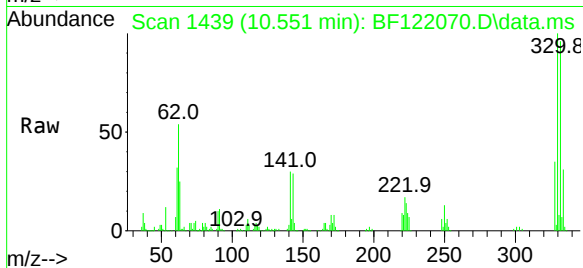




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.66 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. 0.165 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

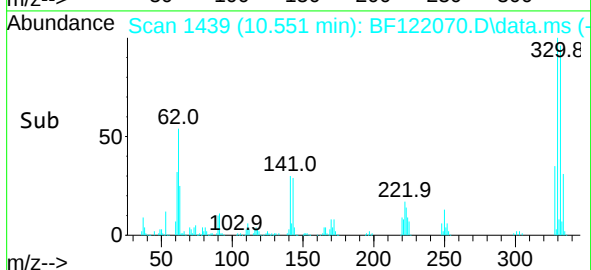
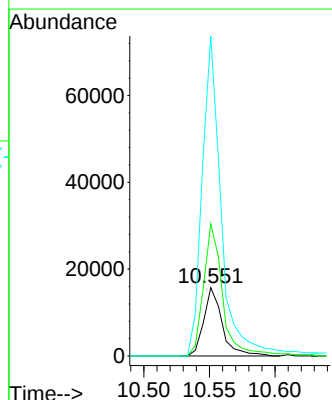
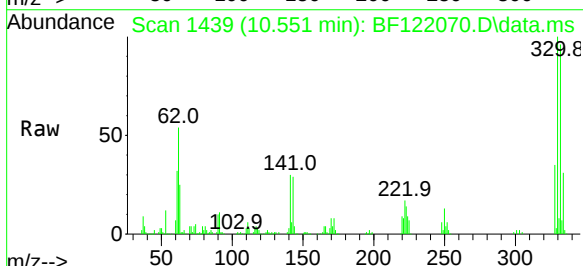
Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

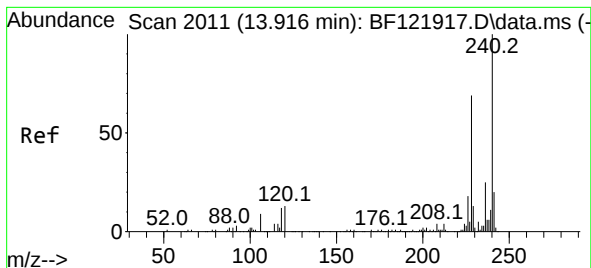
Tgt Ion:198 Resp: 543  
Ion Ratio Lower Upper  
198 100  
51 176.8 29.6 69.6#  
105 164.4 24.4 64.4#



#67  
4-Bromophenyl-phenylether  
Concen: 4.19 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.241 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

Tgt Ion:248 Resp: 15430  
Ion Ratio Lower Upper  
248 100  
250 193.6 77.0 115.6#  
141 468.6 53.7 80.5#

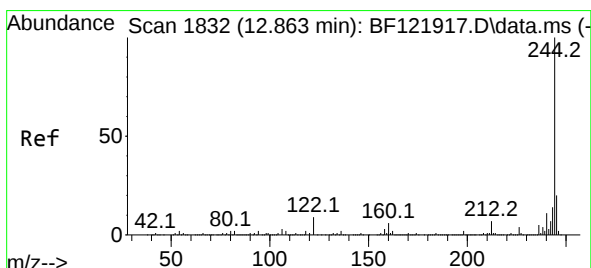
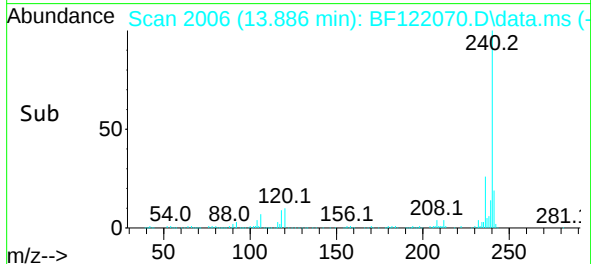
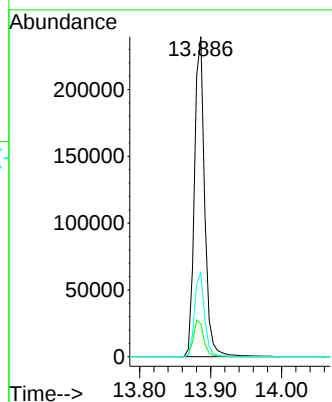
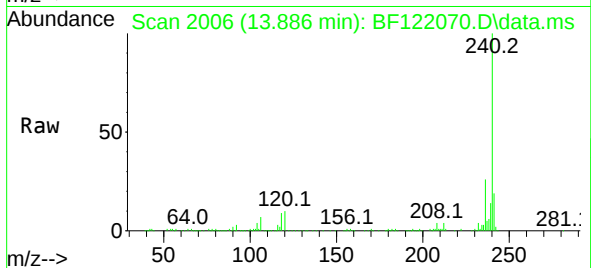




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. -0.000 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

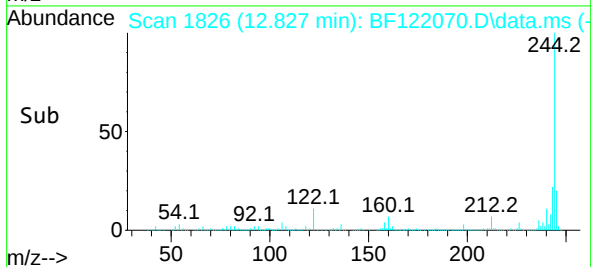
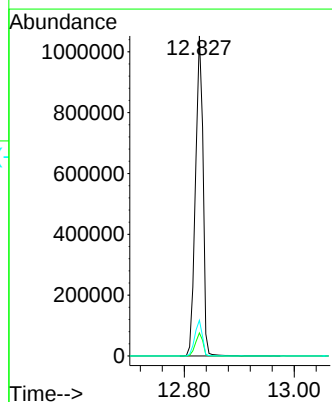
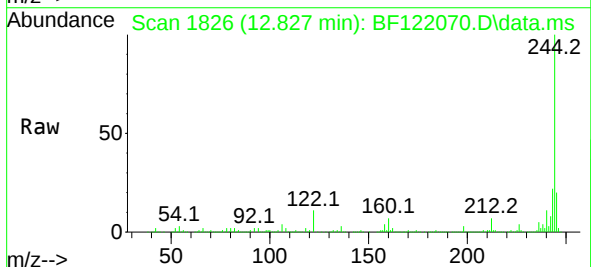
Instrument :  
BNA\_F  
ClientSampleId :  
SUTTON-PR-2152-SED

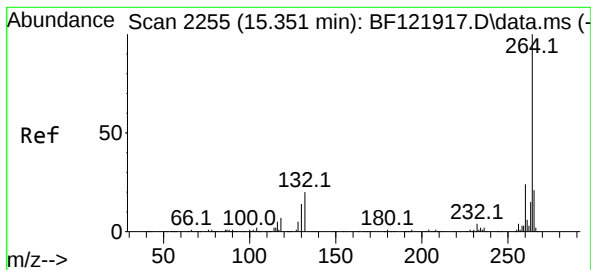
Tgt Ion:240 Resp: 240455  
Ion Ratio Lower Upper  
240 100  
120 10.3 9.2 13.8  
236 26.3 20.9 31.3



#79  
Terphenyl-d14  
Concen: 78.89 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.006 min  
Lab File: BF122070.D  
Acq: 22 Oct 2020 1:21

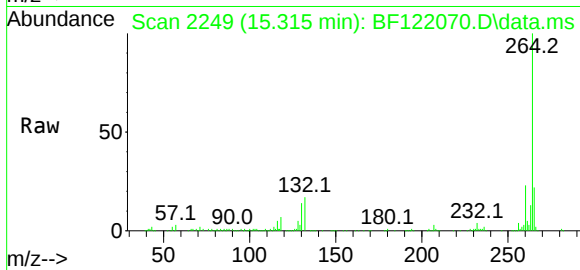
Tgt Ion:244 Resp: 995427  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.4 8.2  
122 11.2 8.1 12.1





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.315 min Scan# 2249  
 Delta R.T. -0.000 min  
 Lab File: BF122070.D  
 Acq: 22 Oct 2020 1:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SUTTON-PR-2152-SED



Tgt Ion:264 Resp: 216458  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 18.7 28.1  
 265 21.7 17.3 25.9

