

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102920\  
 Data File : BF122173.D  
 Acq On : 29 Oct 2020 19:48  
 Operator : JU/CG  
 Sample : L4552-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VW-STONE-C

Quant Time: Oct 30 00:41:50 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 26 17:27:32 2020  
 Response via : Initial Calibration

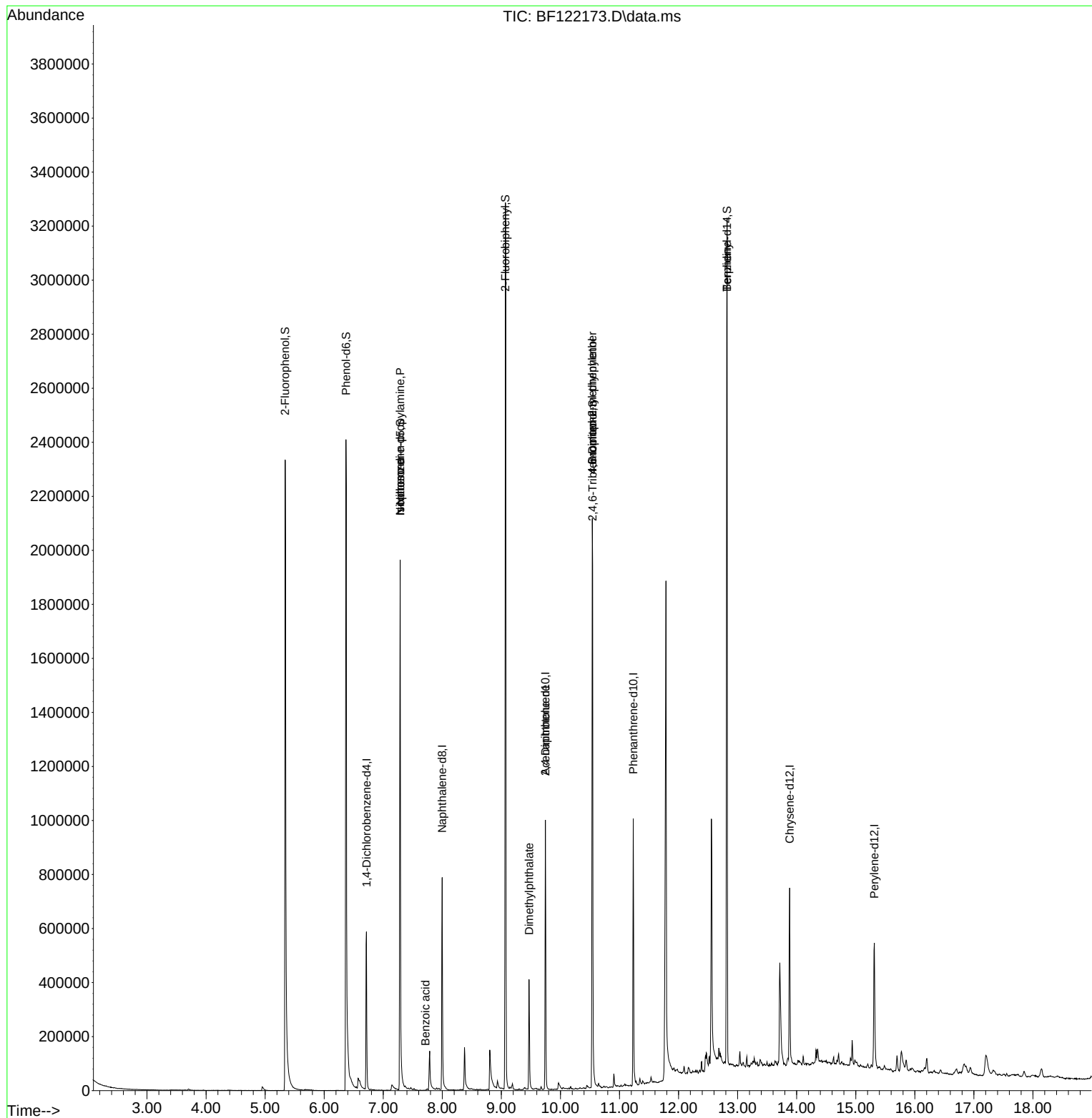
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.716  | 152  | 92931    | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8            | 7.998  | 136  | 368734   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.745  | 164  | 187594   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.233 | 188  | 340702   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 215541   | 20.00     | ng     | 0.00     |
| 86) Perylene-d12              | 15.315 | 264  | 225123   | 20.00     | ng     | 0.01     |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.340  | 112  | 793229   | 125.98    | ng     | 0.00     |
| 7) Phenol-d6                  | 6.369  | 99   | 1001715  | 123.59    | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.287  | 82   | 652730   | 90.78     | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 300201   | 129.37    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.069  | 172  | 1071864  | 84.07     | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.822 | 244  | 990058   | 87.54     | ng     | 0.00     |
| Target Compounds              |        |      |          |           |        |          |
|                               |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.375  | 77   | 1483     | Below Cal | #      | 3        |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 87041    | 18.86     | ng     | # 79     |
| 25) Isophorone                | 7.287  | 82   | 652726   | 48.01     | ng     | # 67     |
| 32) Benzoic acid              | 7.716  | 122  | 122      | 7.71      | ng     | # 1      |
| 50) Dimethylphthalate         | 9.469  | 163  | 146047   | 10.65     | ng     | 100      |
| 57) 2,4-Dinitrotoluene        | 9.745  | 165  | 23909    | 6.45      | ng     | # 21     |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198  | 459      | 4.62      | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.539 | 248  | 17769    | 4.51      | ng     | # 1      |
| 77) Benzidine                 | 12.822 | 184  | 13987    | 2.10      | ng     | # 83     |
| -----                         |        |      |          |           |        |          |

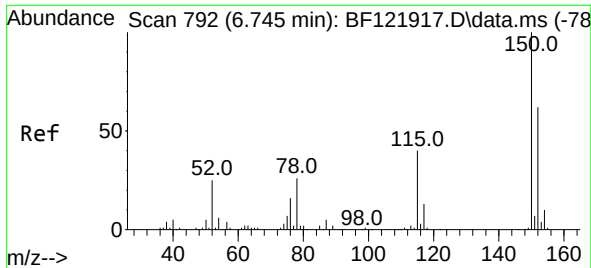
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102920\  
Data File : BF122173.D  
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Sample : L4552-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 26 17:27:32 2020  
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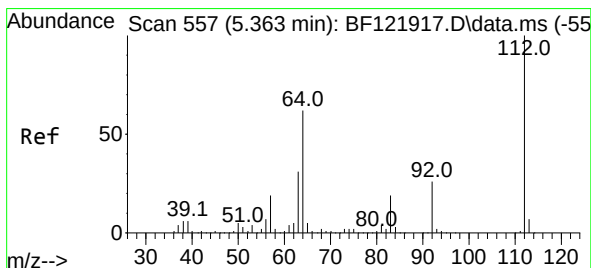
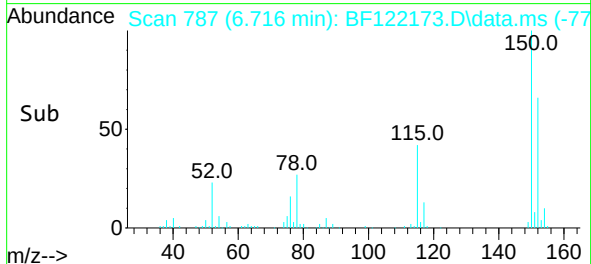
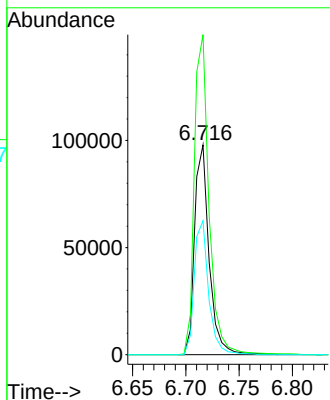
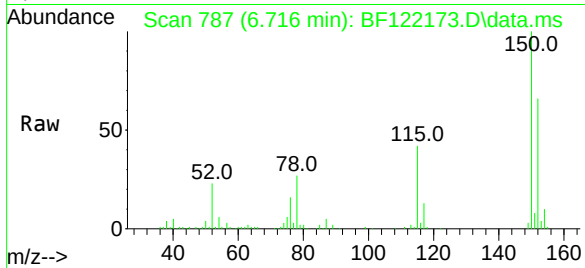




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.716 min Scan# 787  
 Delta R.T. 0.000 min  
 Lab File: BF122173.D  
 Acq: 29 Oct 2020 19:48

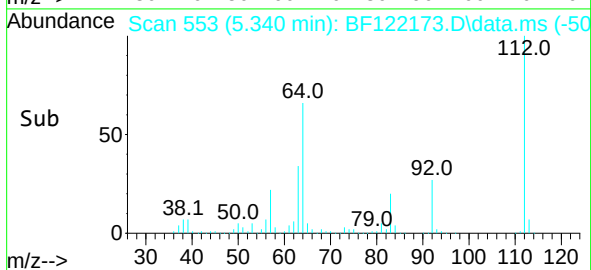
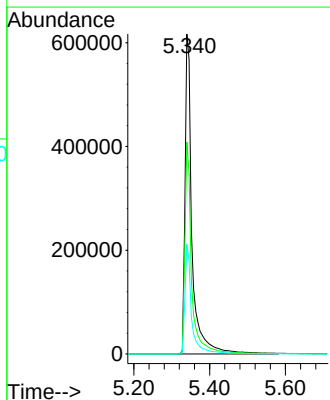
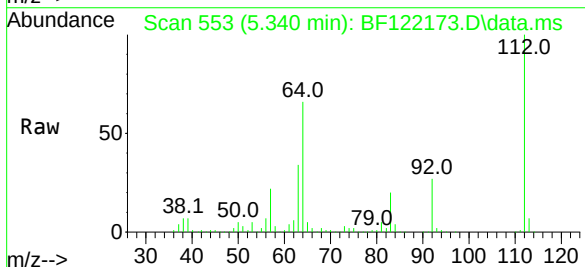
Instrument :  
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 ClientSampleId :  
 VW-STONE-C

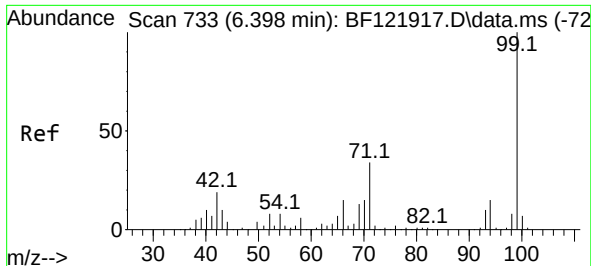
Tgt Ion:152 Resp: 92931  
 Ion Ratio Lower Upper  
 152 100  
 150 152.6 125.3 187.9  
 115 63.8 51.9 77.9



#5  
 2-Fluorophenol  
 Concen: 125.98 ng  
 RT: 5.340 min Scan# 553  
 Delta R.T. 0.006 min  
 Lab File: BF122173.D  
 Acq: 29 Oct 2020 19:48

Tgt Ion:112 Resp: 793229  
 Ion Ratio Lower Upper  
 112 100  
 64 66.2 50.4 75.6  
 63 34.3 25.8 38.6

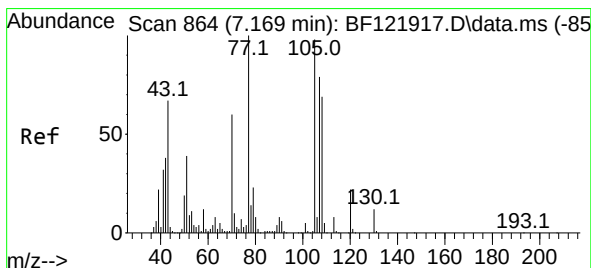
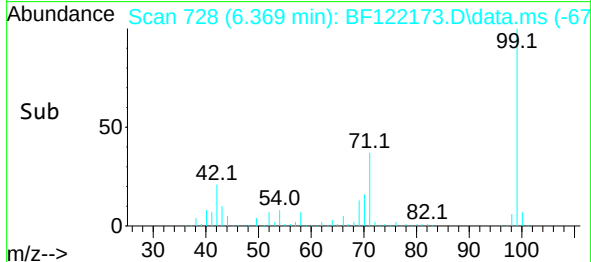
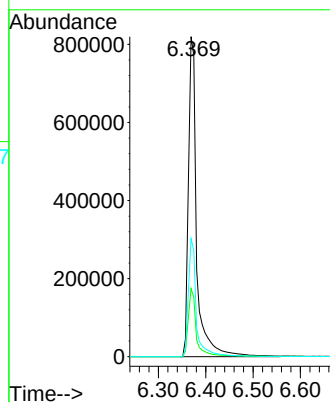
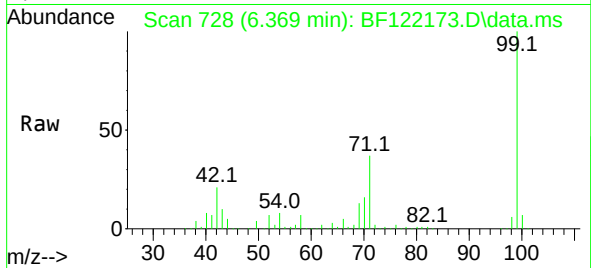




#7  
Phenol-d6  
Concen: 123.59 ng  
RT: 6.369 min Scan# 728  
Delta R.T. -0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

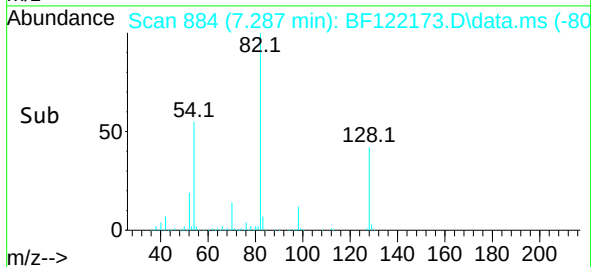
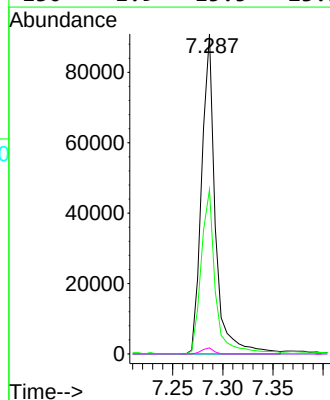
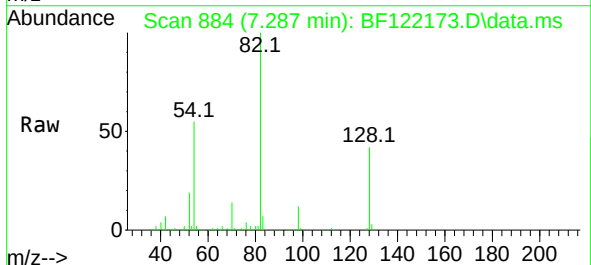
Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

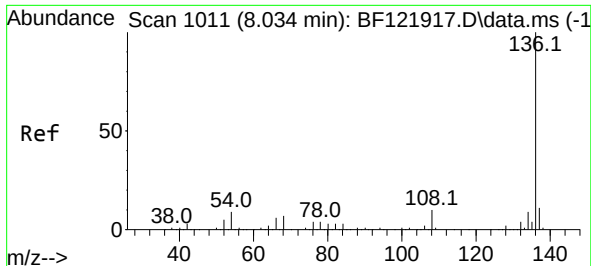
Tgt Ion: 99 Resp: 1001715  
Ion Ratio Lower Upper  
99 100  
42 21.3 15.9 23.9  
71 36.9 27.1 40.7



#19  
n-Nitroso-di-n-propylamine  
Concen: 18.86 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.147 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion: 70 Resp: 87041  
Ion Ratio Lower Upper  
70 100  
42 51.4 50.2 75.4  
101 0.0 7.5 11.3#  
130 1.9 15.5 23.3#



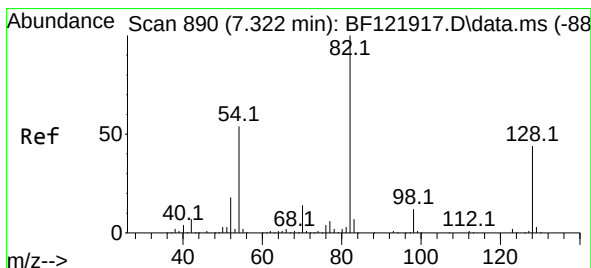
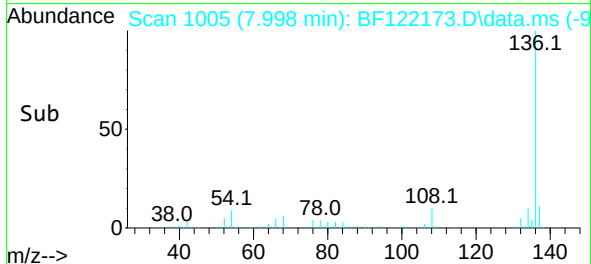
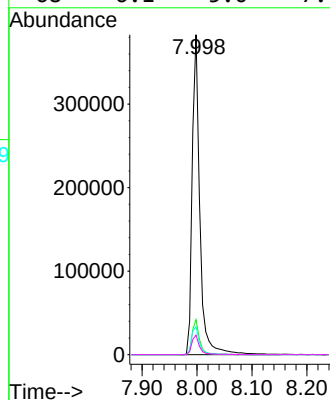
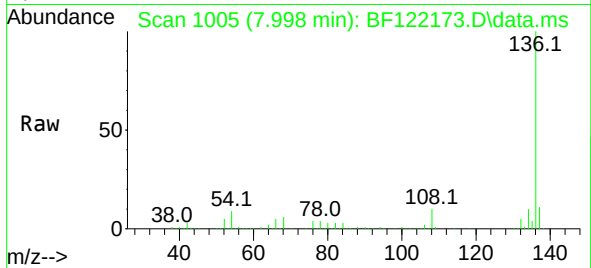


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.998 min Scan# 1005  
Delta R.T. -0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

Tgt Ion:136 Resp: 368734

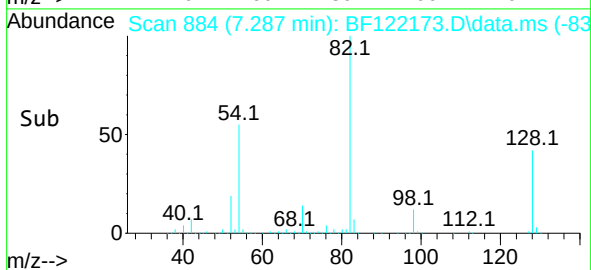
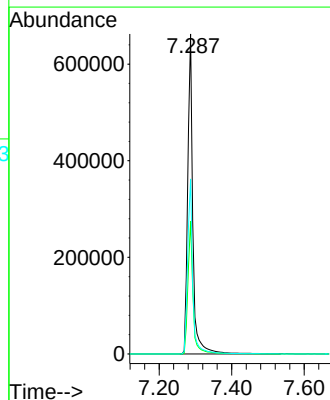
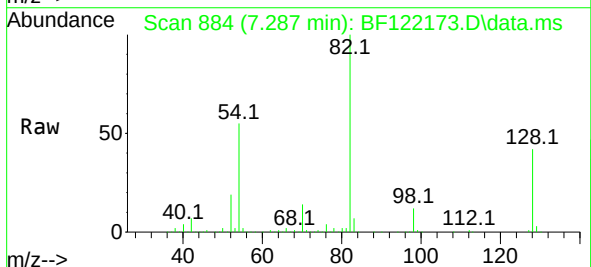
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 13.0  |
| 54  | 8.8   | 7.1   | 10.7  |
| 68  | 6.1   | 5.0   | 7.4   |

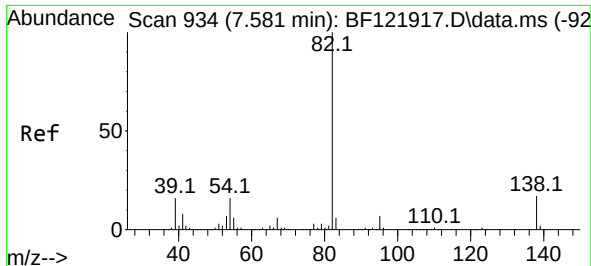


#23  
Nitrobenzene-d5  
Concen: 90.78 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion: 82 Resp: 652730

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.5  | 35.0  | 52.4  |
| 54  | 54.7  | 43.9  | 65.9  |

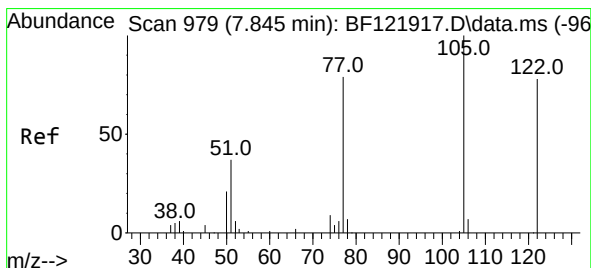
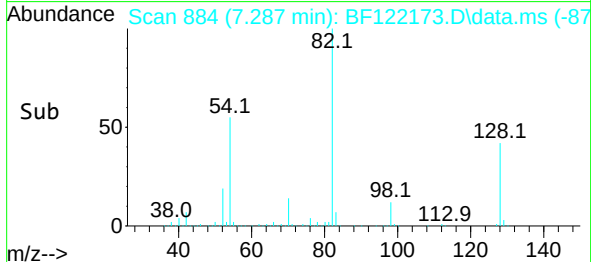
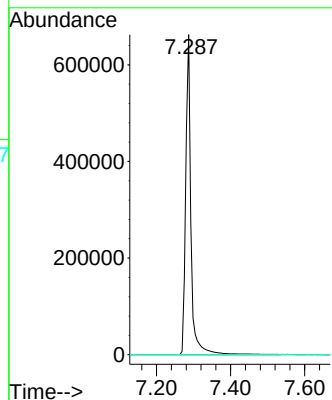
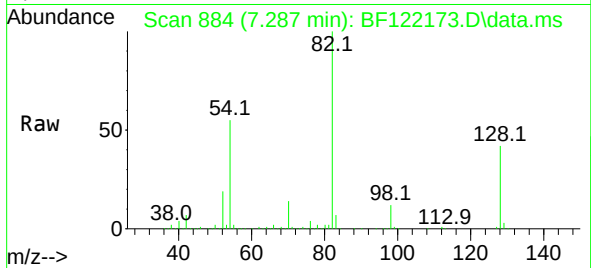




#25  
Isophorone  
Concen: 48.01 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.259 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

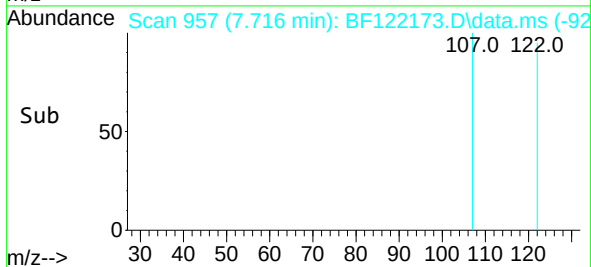
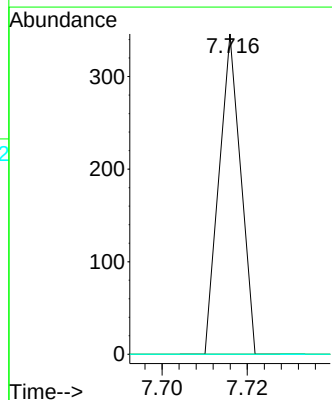
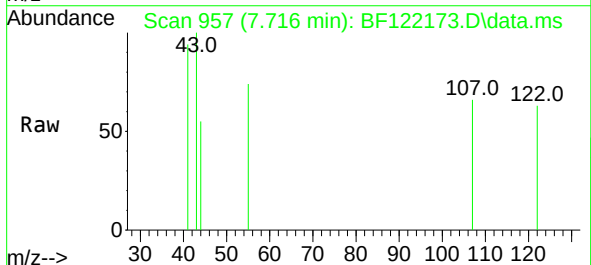
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ClientSampleId :  
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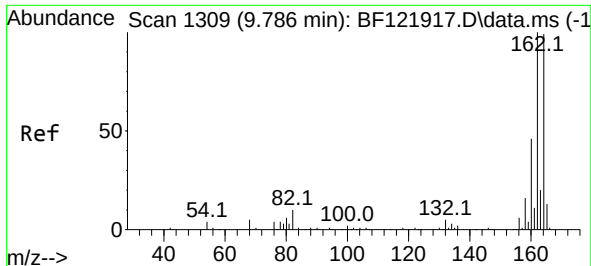
Tgt Ion: 82 Resp: 652726  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 13.4 20.0#



#32  
Benzoic acid  
Concen: 7.71 ng  
RT: 7.716 min Scan# 957  
Delta R.T. -0.112 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion: 122 Resp: 122  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.3 143.3#  
77 0.0 73.9 113.9#

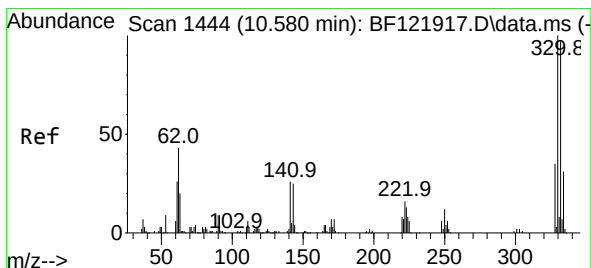
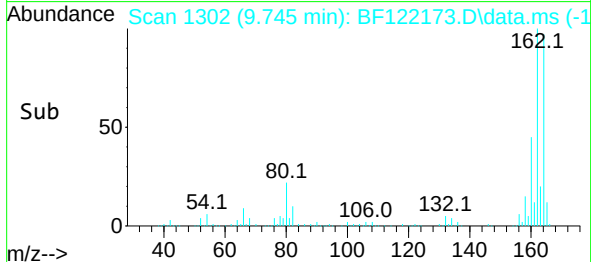
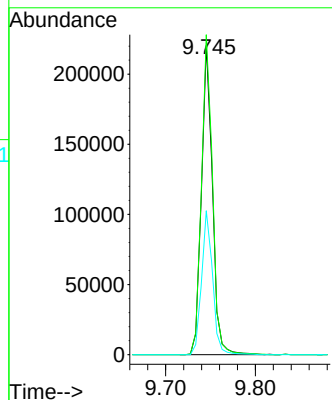
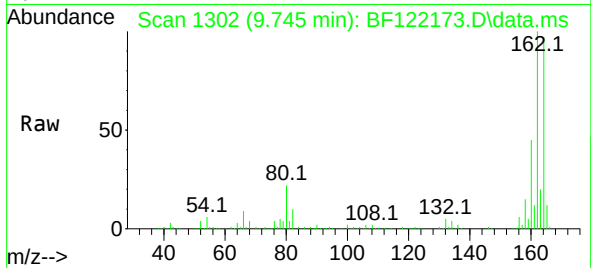




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

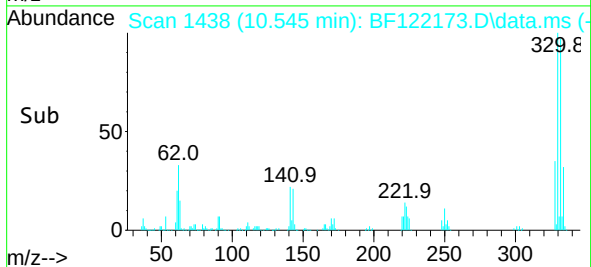
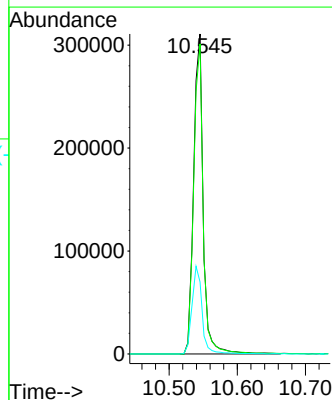
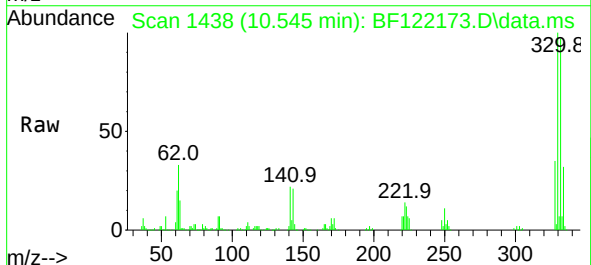
Instrument :  
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ClientSampleId :  
VW-STONE-C

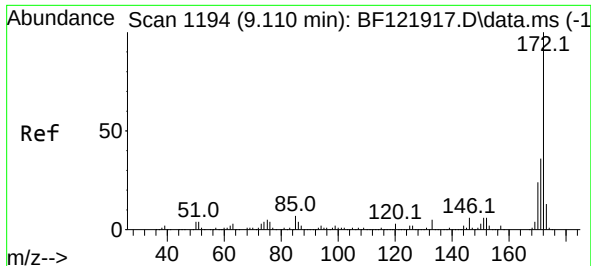
Tgt Ion:164 Resp: 187594  
Ion Ratio Lower Upper  
164 100  
162 103.5 83.2 124.8  
160 46.6 37.5 56.3



#42  
2,4,6-Tribromophenol  
Concen: 129.37 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion:330 Resp: 300201  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.3 115.9  
141 29.1 22.3 33.5

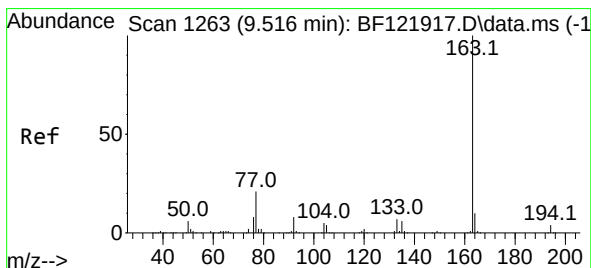
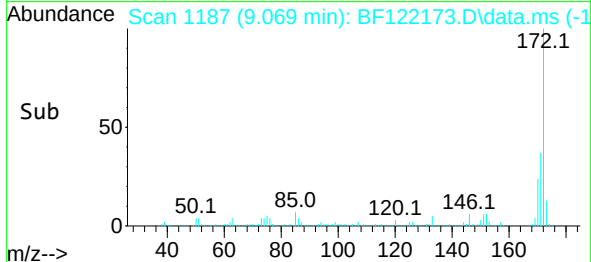
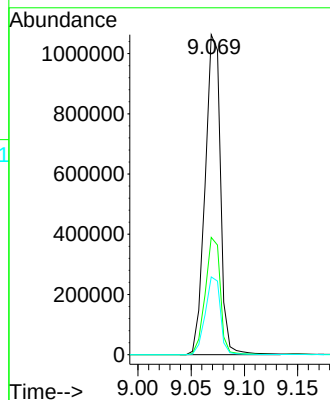
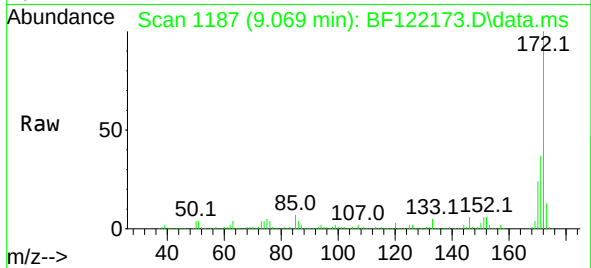




#45  
2-Fluorobiphenyl  
Concen: 84.07 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. -0.006 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

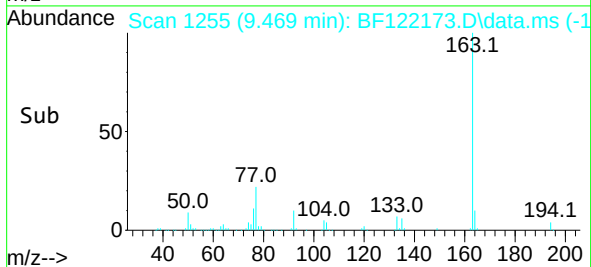
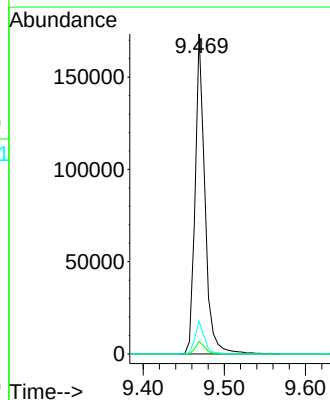
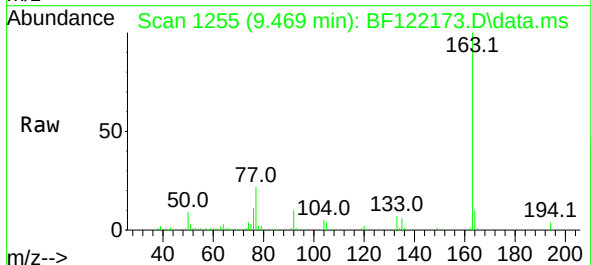
Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

Tgt Ion:172 Resp: 1071864  
Ion Ratio Lower Upper  
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171 36.7 29.1 43.7  
170 24.3 19.8 29.6

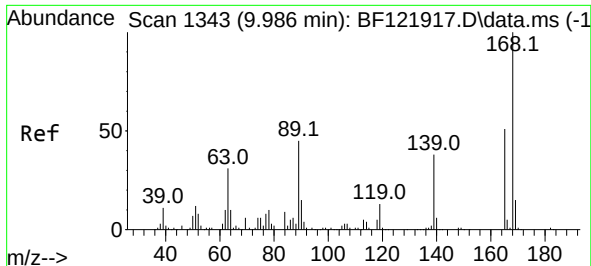


#50  
Dimethylphthalate  
Concen: 10.65 ng  
RT: 9.469 min Scan# 1255  
Delta R.T. -0.012 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion:163 Resp: 146047  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.3 4.9  
164 10.2 8.2 12.4

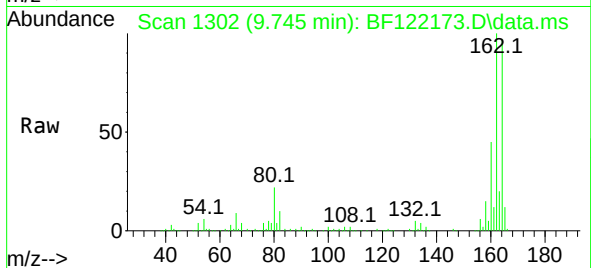




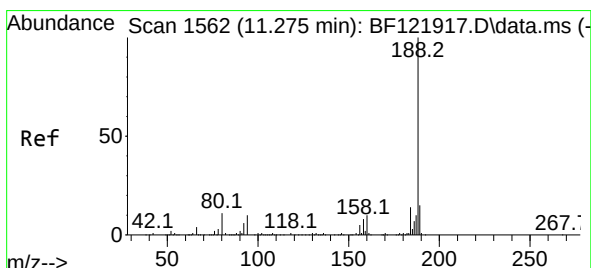
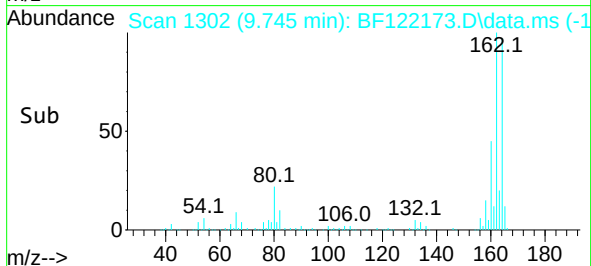
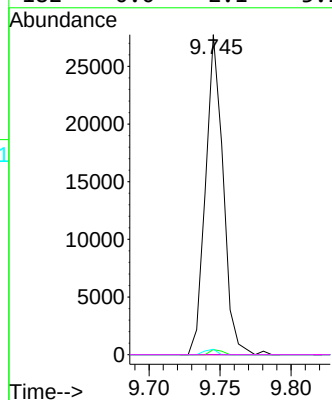


#57  
2,4-Dinitrotoluene  
Concen: 6.45 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.218 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

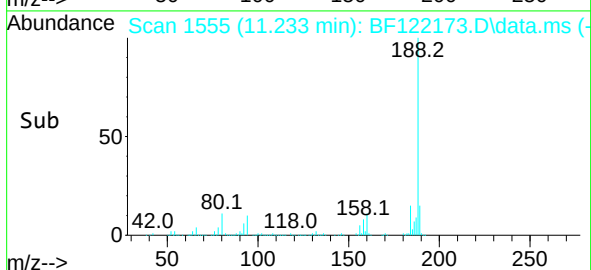
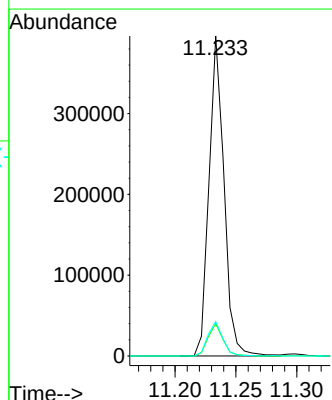
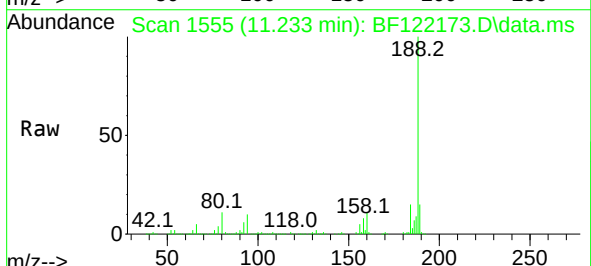


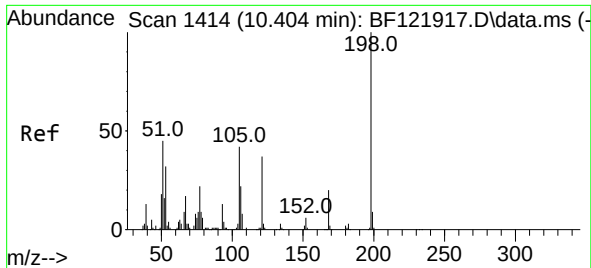
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 23909       |
| Ion         | Ratio | Lower Upper |
| 165         | 100   |             |
| 63          | 1.6   | 41.3 61.9#  |
| 89          | 1.7   | 61.8 92.8#  |
| 182         | 0.0   | 2.1 3.1#    |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.233 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:188 | Resp: | 340702      |
| Ion         | Ratio | Lower Upper |
| 188         | 100   |             |
| 94          | 10.1  | 8.3 12.5    |
| 80          | 10.8  | 9.1 13.7    |

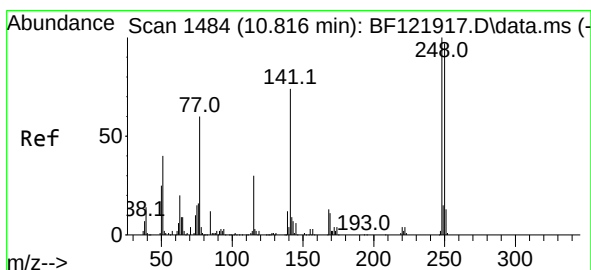
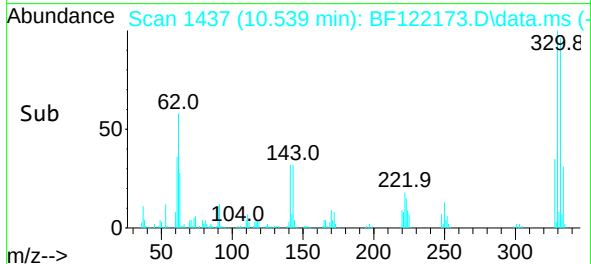
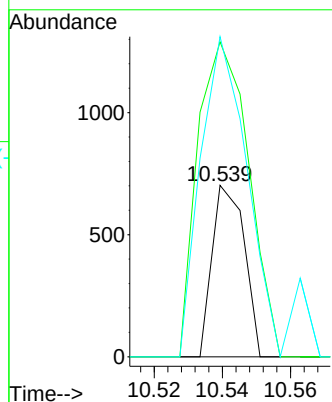
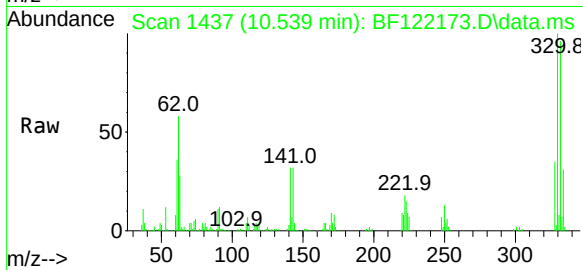




#65  
4,6-Dinitro-2-methylphenol  
Concen: 4.62 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. 0.165 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

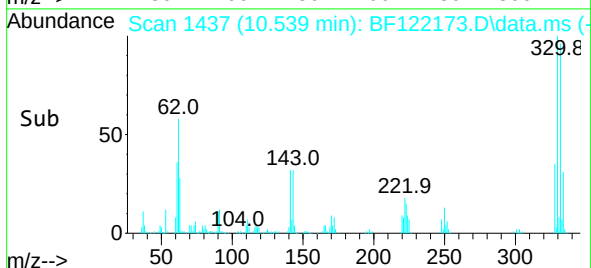
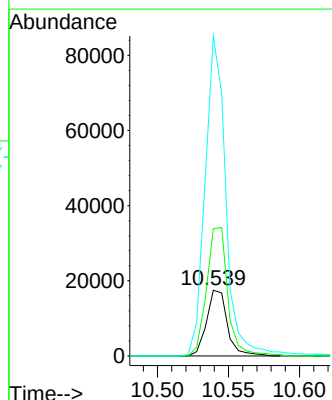
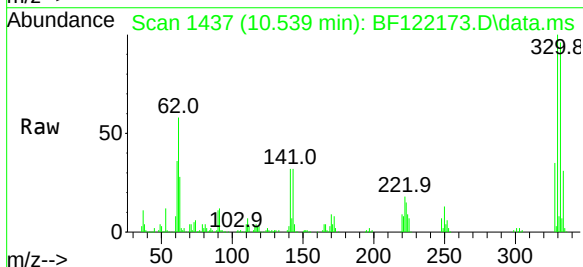
Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

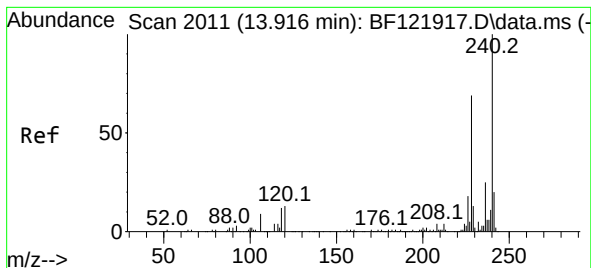
Tgt Ion:198 Resp: 459  
Ion Ratio Lower Upper  
198 100  
51 183.8 29.6 69.6#  
105 186.8 24.4 64.4#



#67  
4-Bromophenyl-phenylether  
Concen: 4.51 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. -0.235 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

Tgt Ion:248 Resp: 17769  
Ion Ratio Lower Upper  
248 100  
250 193.5 77.0 115.6#  
141 487.0 53.7 80.5#

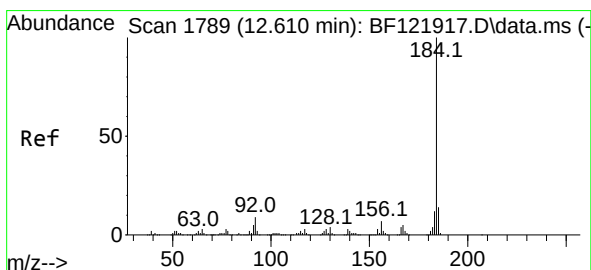
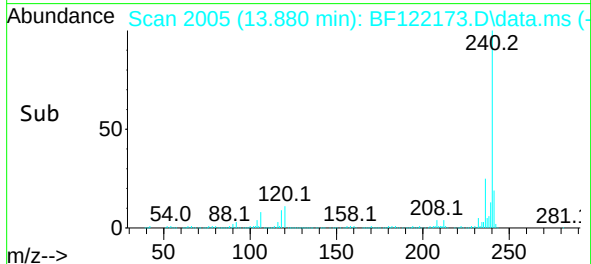
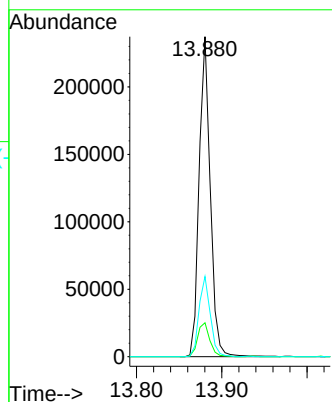
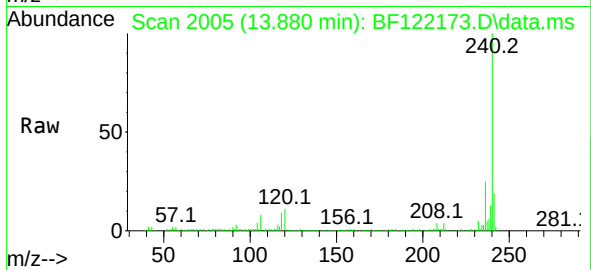




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.880 min Scan# 2005  
Delta R.T. 0.000 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

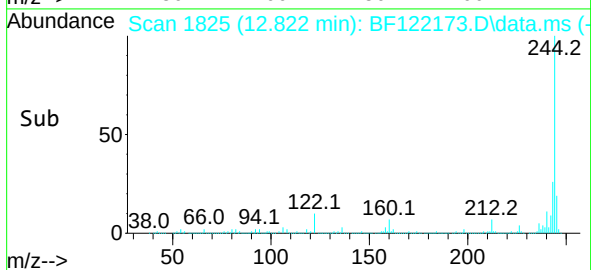
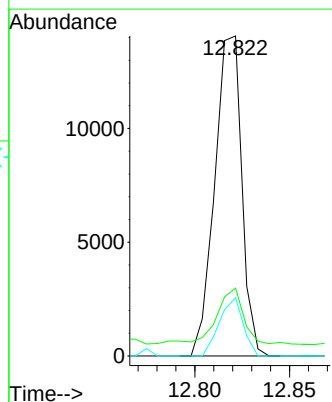
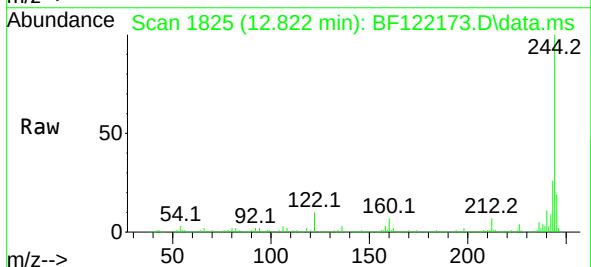
Instrument :  
BNA\_F  
ClientSampleId :  
VW-STONE-C

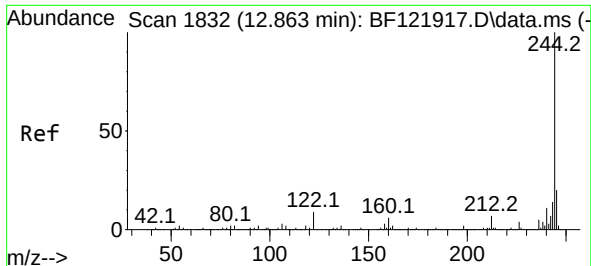
Tgt Ion:240 Resp: 215541  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.2 13.8  
236 25.0 20.9 31.3



#77  
Benzidine  
Concen: 2.10 ng  
RT: 12.822 min Scan# 1825  
Delta R.T. 0.247 min  
Lab File: BF122173.D  
Acq: 29 Oct 2020 19:48

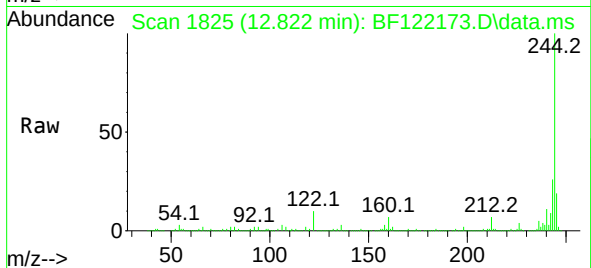
Tgt Ion:184 Resp: 13987  
Ion Ratio Lower Upper  
184 100  
185 21.2 11.6 17.4#  
183 18.2 9.4 14.0#



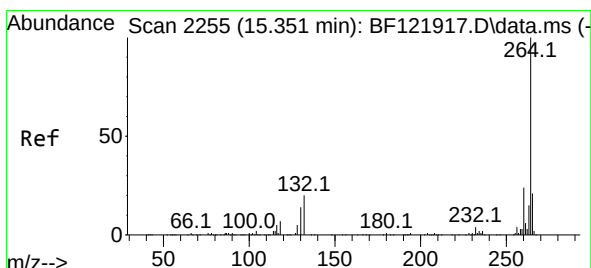
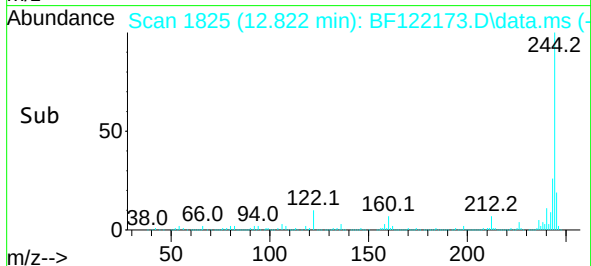
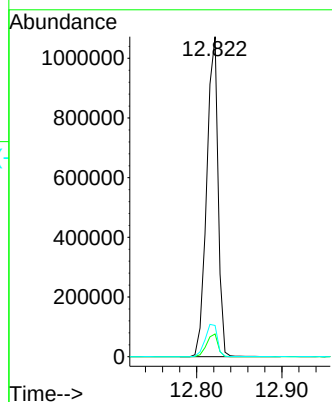


#79  
 Terphenyl-d14  
 Concen: 87.54 ng  
 RT: 12.822 min Scan# 1825  
 Delta R.T. 0.006 min  
 Lab File: BF122173.D  
 Acq: 29 Oct 2020 19:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VW-STONE-C



Tgt Ion:244 Resp: 990058  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.4 8.2  
 122 9.8 8.1 12.1



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.315 min Scan# 2249  
 Delta R.T. 0.012 min  
 Lab File: BF122173.D  
 Acq: 29 Oct 2020 19:48

Tgt Ion:264 Resp: 225123  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.7 28.1  
 265 22.1 17.3 25.9

