

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120420\  
 Data File : BF122551.D  
 Acq On : 4 Dec 2020 18:08  
 Operator : JU/CG  
 Sample : L4910-06  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAV-B47-113020-10-12.75

Quant Time: Dec 04 23:30:10 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 04 12:52:10 2020  
 Response via : Initial Calibration

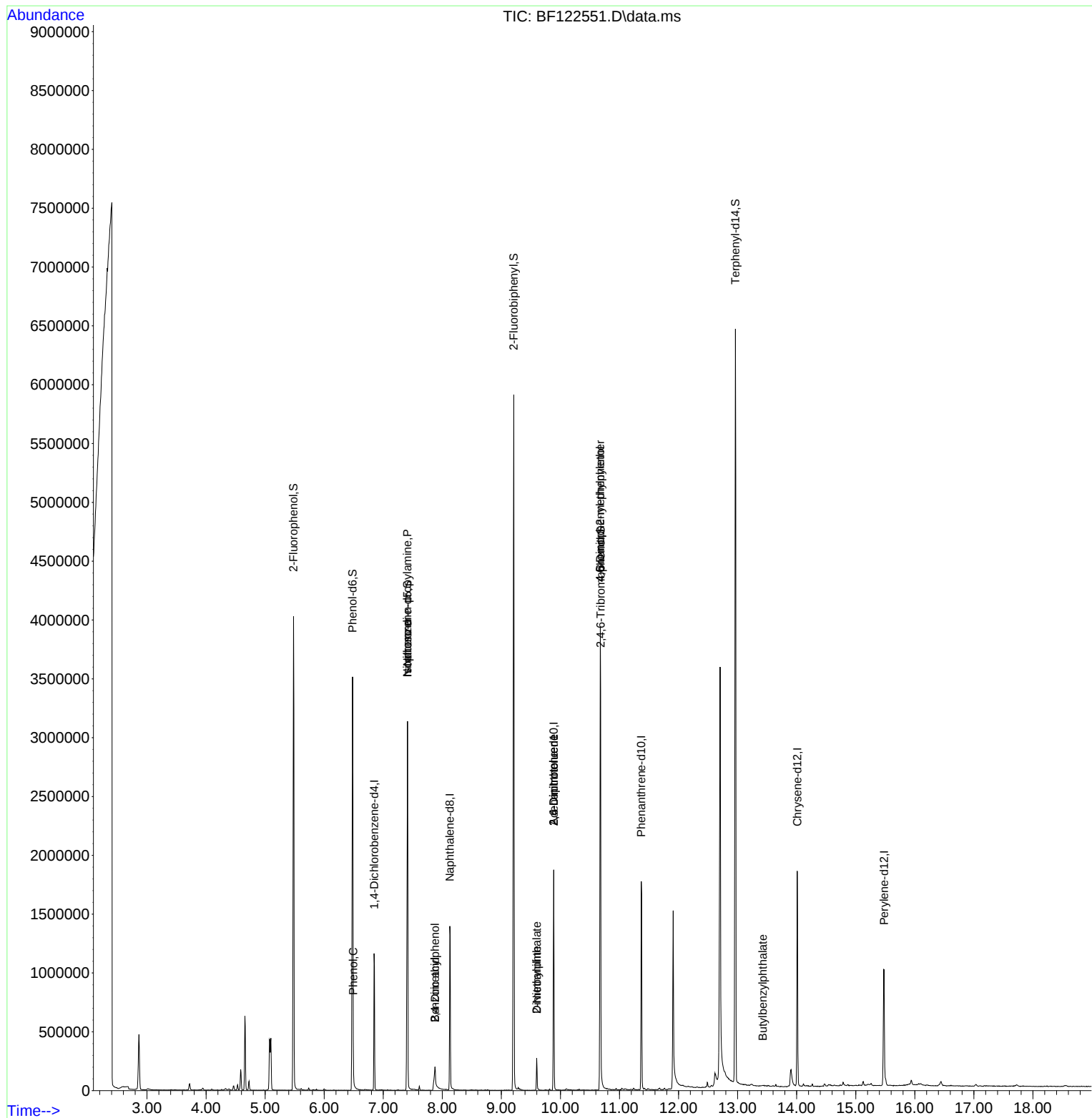
| Compound                      | R.T.   | QIon | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-----------|--------|----------|
| -----                         |        |      |          |           |        |          |
| Internal Standards            |        |      |          |           |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 175083   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 680279   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 362045   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 697230   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 630283   | 20.00     | ng     | -0.01    |
| 86) Perylene-d12              | 15.480 | 264  | 507434   | 20.00     | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| System Monitoring Compounds   |        |      |          |           |        |          |
| 5) 2-Fluorophenol             | 5.481  | 112  | 1223929  | 107.34    | ng     | 0.01     |
| 7) Phenol-d6                  | 6.481  | 99   | 1367116  | 91.65     | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 1082529  | 97.42     | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 584993   | 150.55    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.210  | 172  | 1964802  | 84.79     | ng     | 0.00     |
| 79) Terphenyl-d14             | 12.963 | 244  | 2387062  | 80.23     | ng     | 0.00     |
|                               |        |      |          |           |        |          |
| Target Compounds              |        |      |          |           | Qvalue |          |
| 9) Benzaldehyde               | 6.481  | 77   | 2280     | Below Cal | #      | 3        |
| 10) Phenol                    | 6.492  | 94   | 34861    | 2.37      | ng     | 82       |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 146113   | 16.39     | ng     | # 74     |
| 25) Isophorone                | 7.410  | 82   | 1082520  | 43.70     | ng     | # 67     |
| 27) 2,4-Dimethylphenol        | 7.875  | 122  | 99862    | 8.55      | ng     | # 4      |
| 32) Benzoic acid              | 7.875  | 122  | 99862    | 20.84     | ng     | 96       |
| 48) 2-Nitroaniline            | 9.598  | 65   | 826      | 5.28      | ng     | # 1      |
| 50) Dimethylphthalate         | 9.598  | 163  | 110463   | 4.29      | ng     | 98       |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 47605    | 11.47     | ng     | # 20     |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 47605    | 10.67     | ng     | # 20     |
| 65) 4,6-Dinitro-2-methylph... | 10.674 | 198  | 996      | 6.56      | ng     | # 1      |
| 67) 4-Bromophenyl-phenylether | 10.674 | 248  | 37217    | 4.54      | ng     | # 1      |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 391      | 3.31      | ng     | # 36     |
| -----                         |        |      |          |           |        |          |

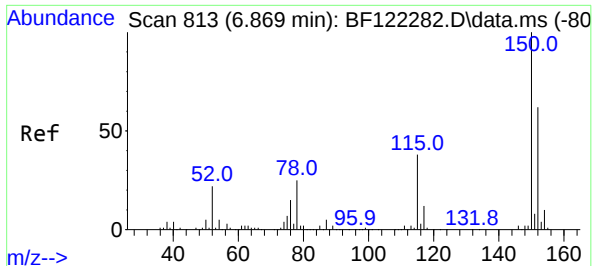
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120420\  
Data File : BF122551.D  
Acq On : 4 Dec 2020 18:08  
Operator : JU/CG  
Sample : L4910-06  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

Quant Time: Dec 04 23:30:10 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Dec 04 12:52:10 2020  
Response via : Initial Calibration

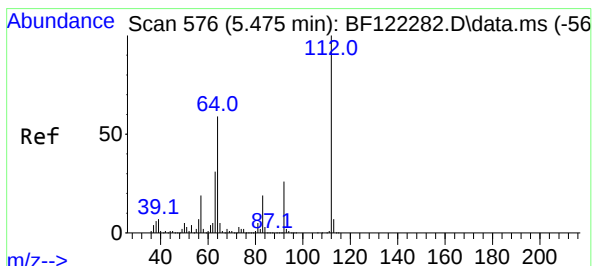
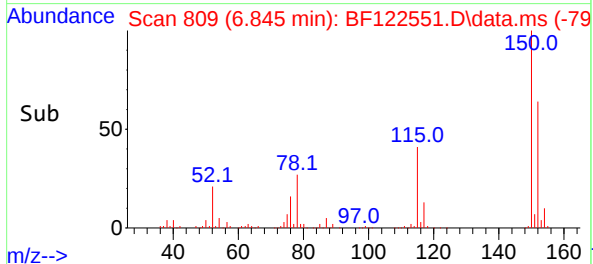
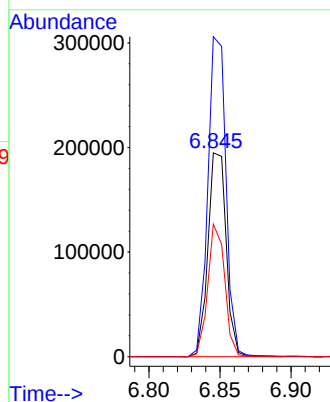
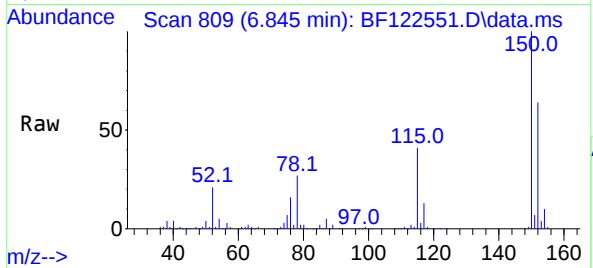




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.845 min Scan# 809  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

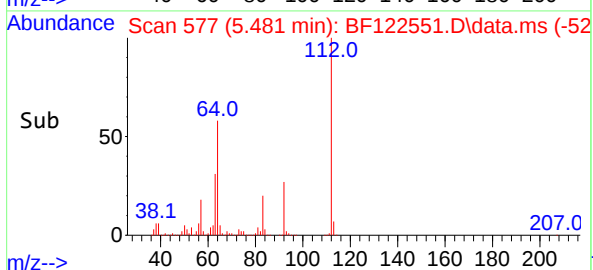
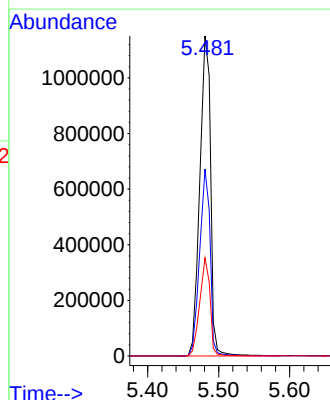
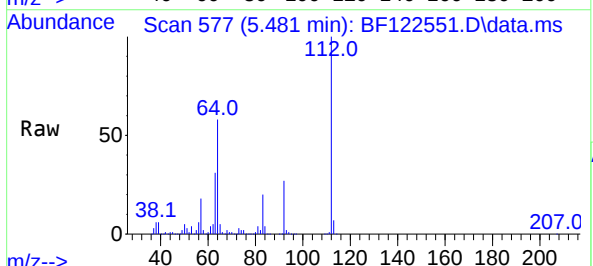
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

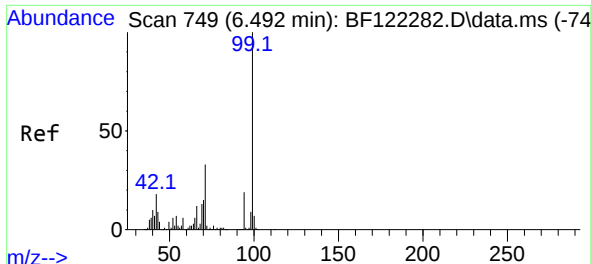
Tgt Ion:152 Resp: 175083  
Ion Ratio Lower Upper  
152 100  
150 157.0 125.3 187.9  
115 65.0 51.9 77.9



#5  
2-Fluorophenol  
Concen: 107.34 ng  
RT: 5.481 min Scan# 577  
Delta R.T. 0.012 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Tgt Ion:112 Resp: 1223929  
Ion Ratio Lower Upper  
112 100  
64 58.4 50.4 75.6  
63 30.6 25.8 38.6



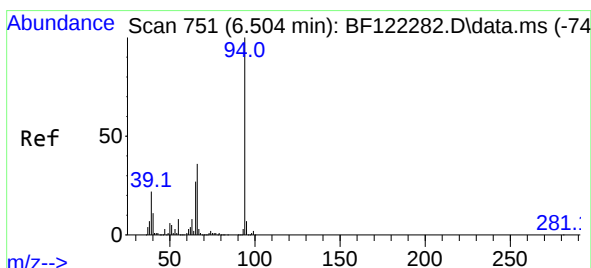
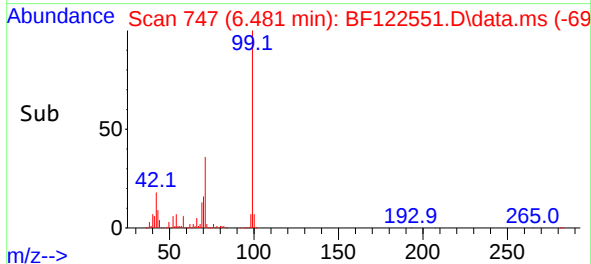
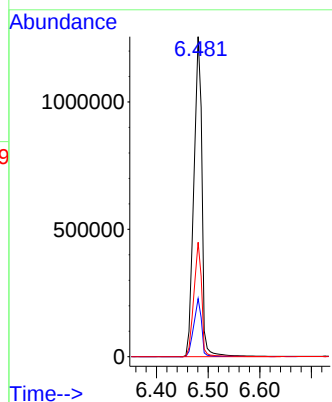
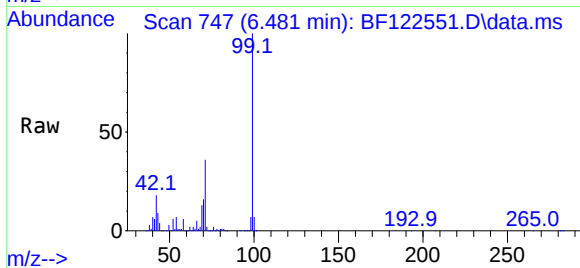


#7  
Phenol-d6  
Concen: 91.65 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

Tgt Ion: 99 Resp: 1367116

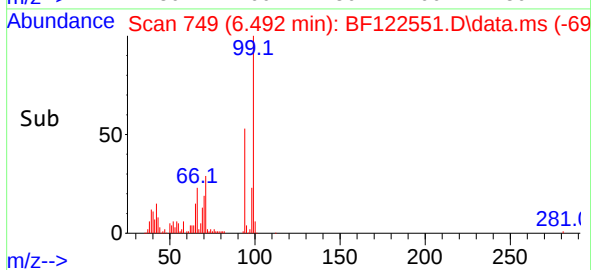
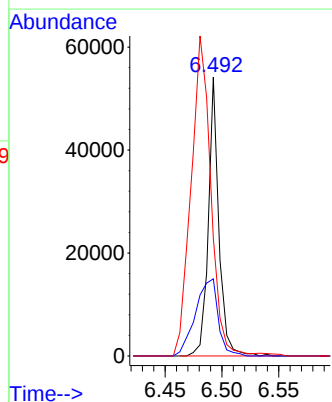
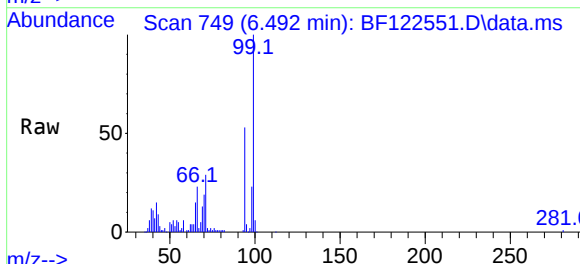
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.2  | 15.9  | 23.9  |
| 71  | 35.8  | 27.1  | 40.7  |

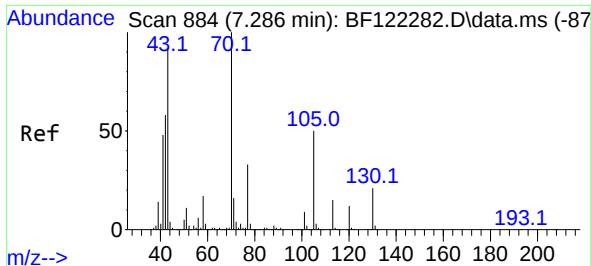


#10  
Phenol  
Concen: 2.37 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Tgt Ion: 94 Resp: 34861

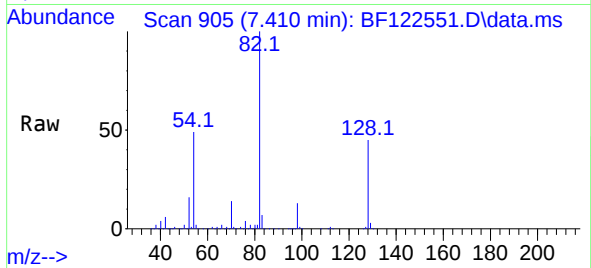
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 27.7  | 17.1  | 57.1  |
| 66  | 42.3  | 36.0  | 76.0  |



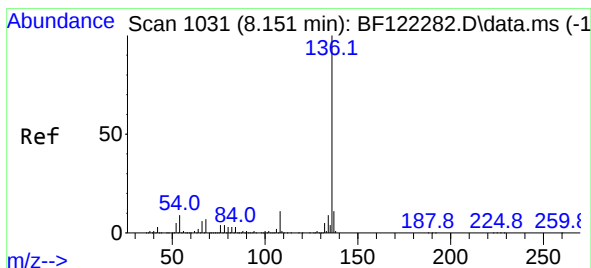
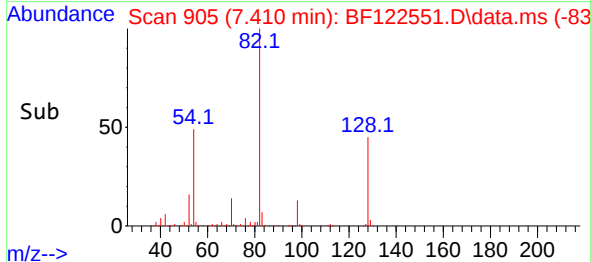
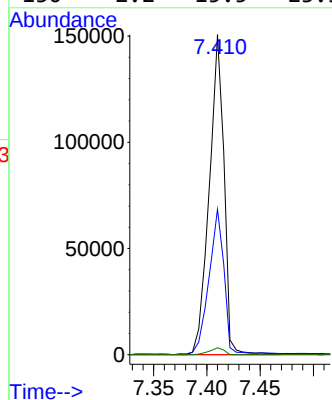


#19  
n-Nitroso-di-n-propylamine  
Concen: 16.39 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

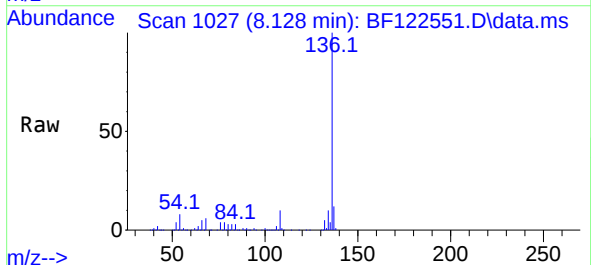
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75



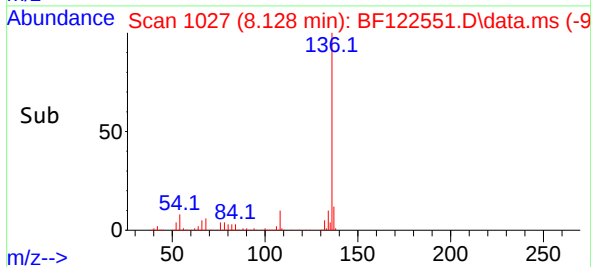
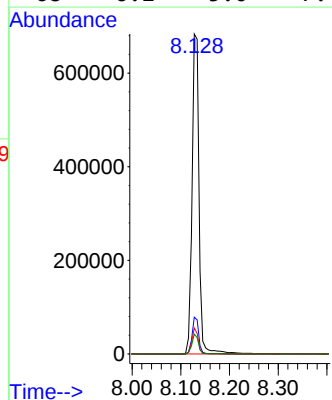
Tgt Ion: 70 Resp: 146113  
Ion Ratio Lower Upper  
70 100  
42 45.5 50.2 75.4#  
101 0.0 7.5 11.3#  
130 2.2 15.5 23.3#

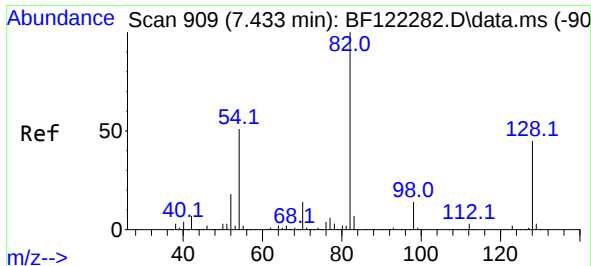


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08



Tgt Ion:136 Resp: 680279  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.6 13.0  
54 8.1 7.1 10.7  
68 6.2 5.0 7.4



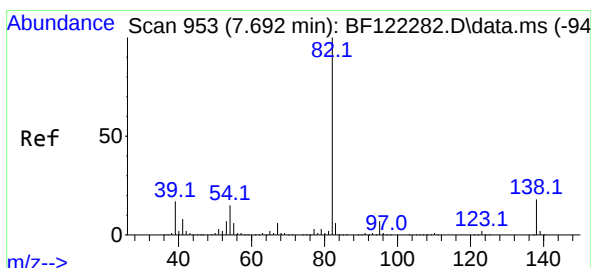
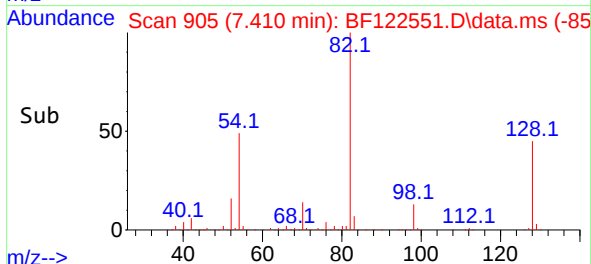
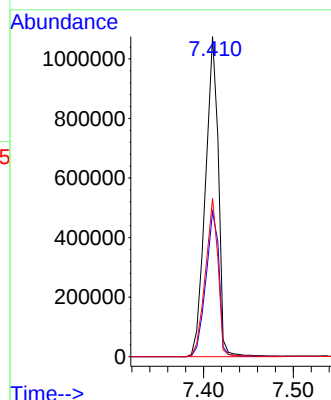
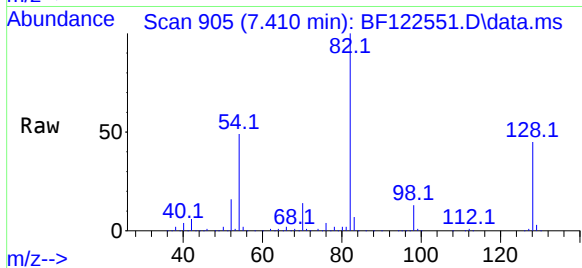


#23  
Nitrobenzene-d5  
Concen: 97.42 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

Tgt Ion: 82 Resp: 1082529

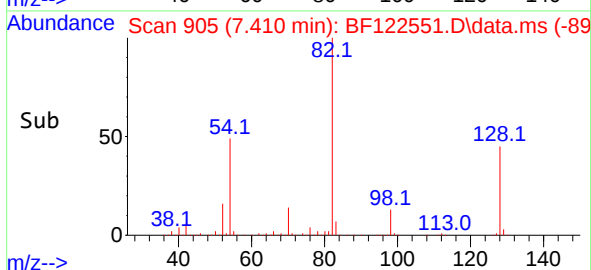
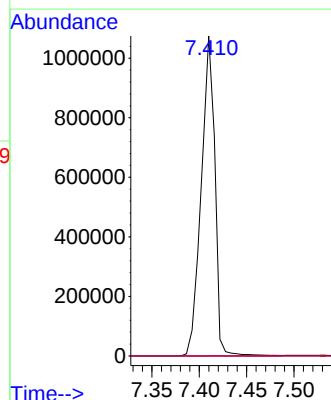
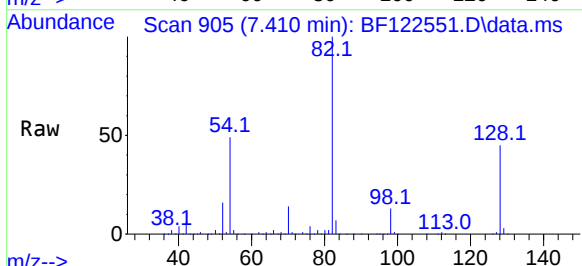
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.3  | 35.0  | 52.4  |
| 54  | 49.4  | 43.9  | 65.9  |

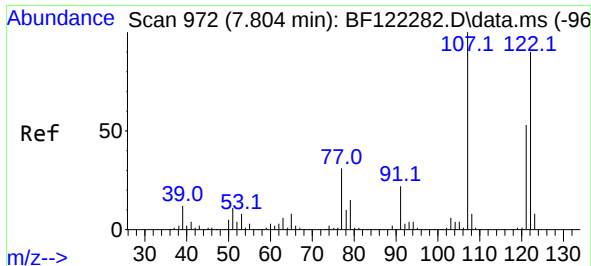


#25  
Isophorone  
Concen: 43.70 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.265 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Tgt Ion: 82 Resp: 1082520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 0.0   | 5.4   | 8.0#  |
| 138 | 0.0   | 13.4  | 20.0# |

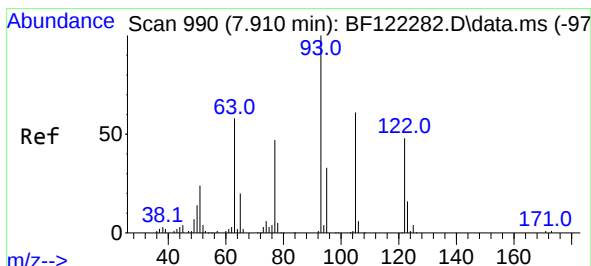
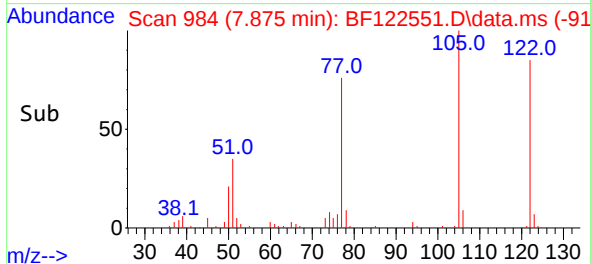
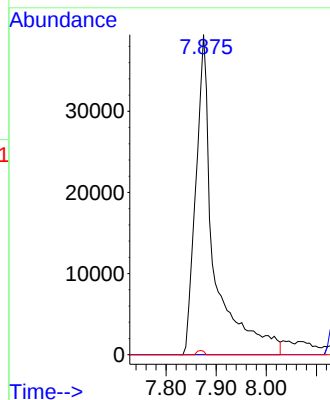
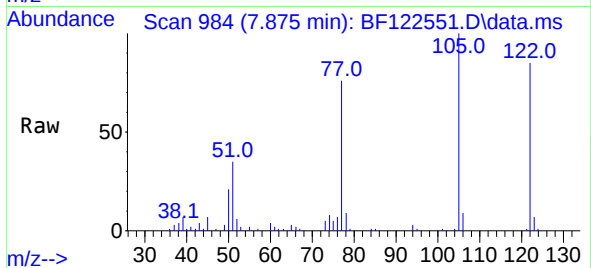




#27  
2,4-Dimethylphenol  
Concen: 8.55 ng  
RT: 7.875 min Scan# 984  
Delta R.T. 0.088 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

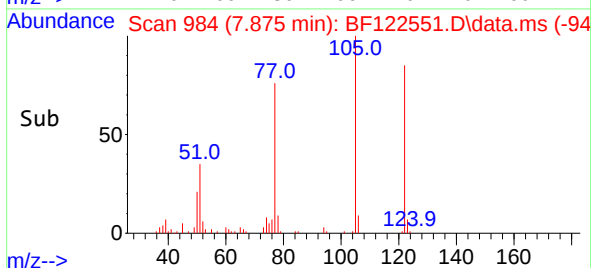
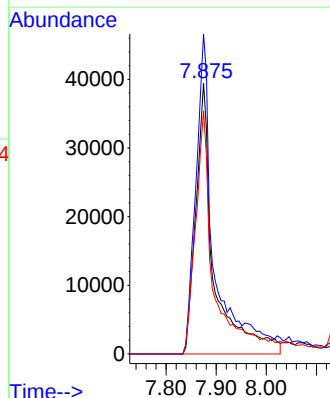
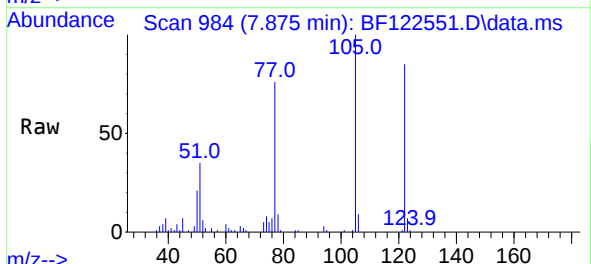
Instrument :  
BNA\_F  
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PAV-B47-113020-10-12.75

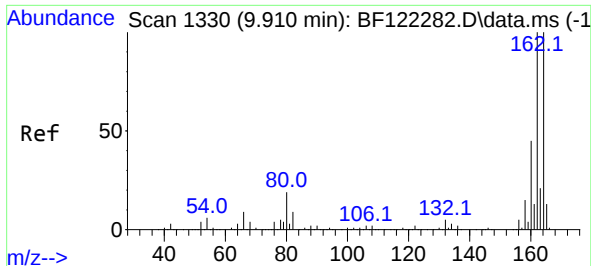
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Ion Ratio Lower Upper  
122 100  
107 0.0 90.8 136.2#  
121 1.1 47.5 71.3#



#32  
Benzoic acid  
Concen: 20.84 ng  
RT: 7.875 min Scan# 984  
Delta R.T. -0.047 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

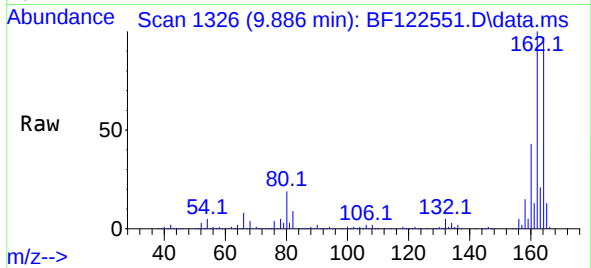
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Ion Ratio Lower Upper  
122 100  
105 118.2 103.3 143.3  
77 89.7 73.9 113.9



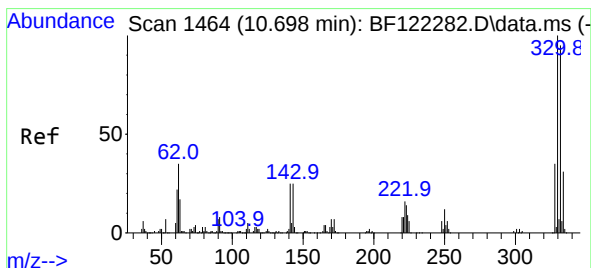
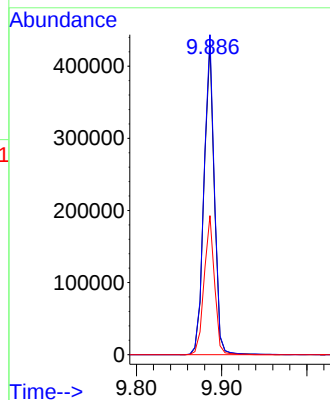
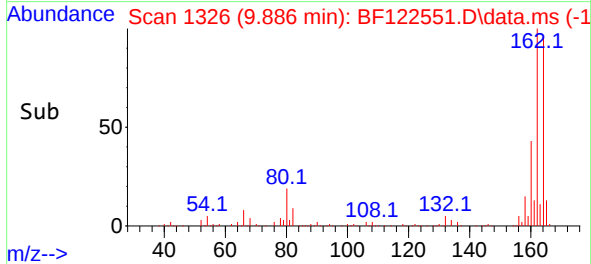


#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

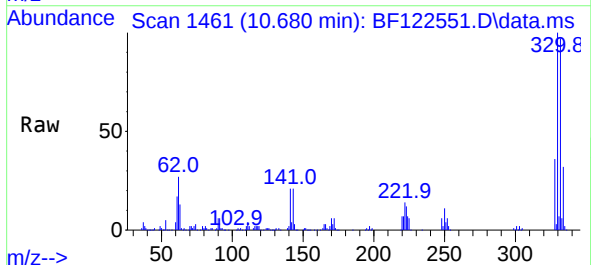
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75



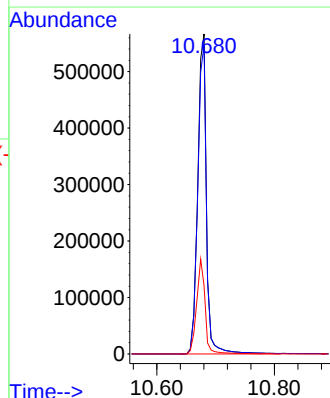
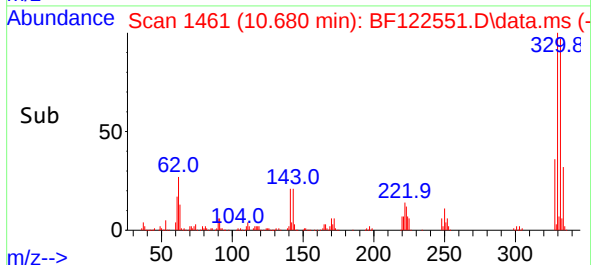
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Ion Ratio Lower Upper  
164 100  
162 103.1 83.2 124.8  
160 44.8 37.5 56.3

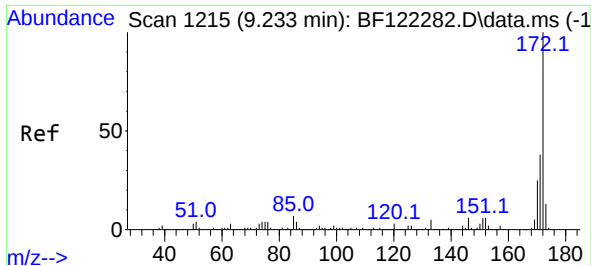


#42  
2,4,6-Tribromophenol  
Concen: 150.55 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08



Tgt Ion:330 Resp: 584993  
Ion Ratio Lower Upper  
330 100  
332 96.6 77.3 115.9  
141 28.9 22.3 33.5

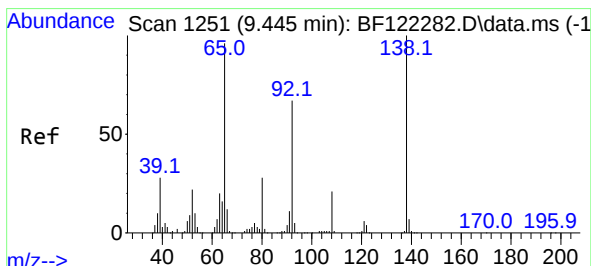
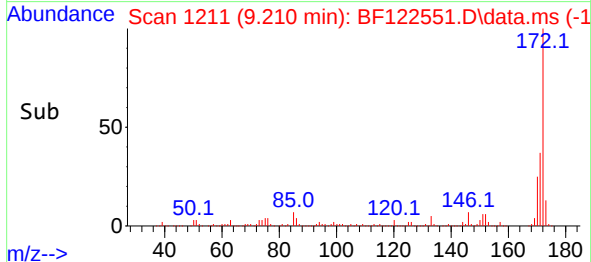
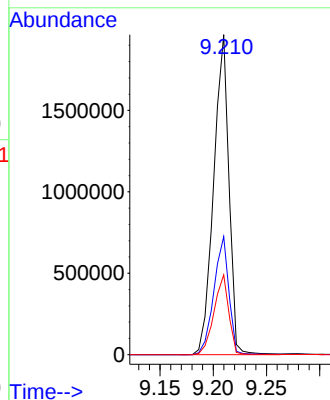
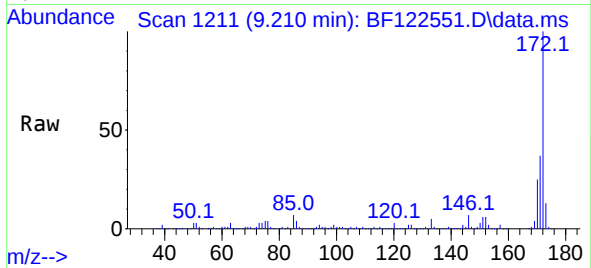




#45  
2-Fluorobiphenyl  
Concen: 84.79 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

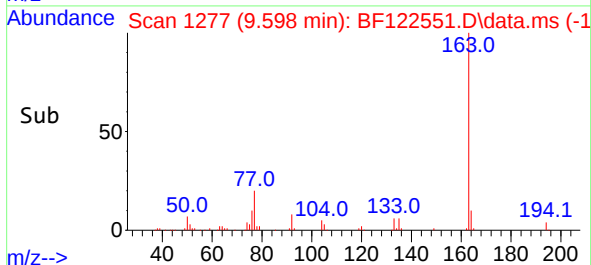
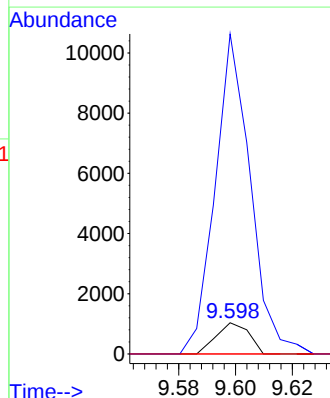
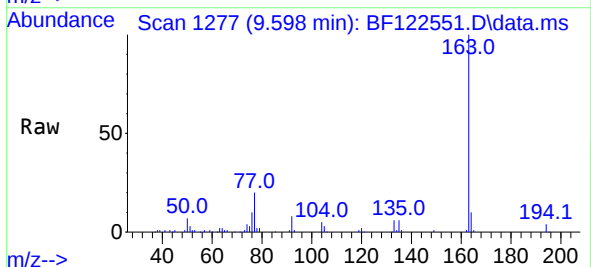
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

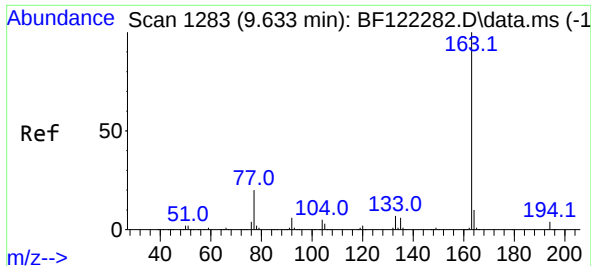
Tgt Ion:172 Resp: 1964802  
Ion Ratio Lower Upper  
172 100  
171 36.9 29.1 43.7  
170 24.9 19.8 29.6



#48  
2-Nitroaniline  
Concen: 5.28 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. 0.165 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

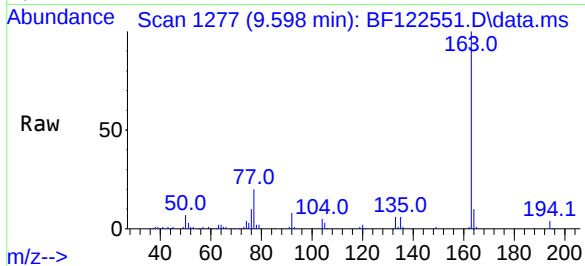
Tgt Ion: 65 Resp: 826  
Ion Ratio Lower Upper  
65 100  
92 1028.0 55.1 82.7#  
138 0.0 80.5 120.7#



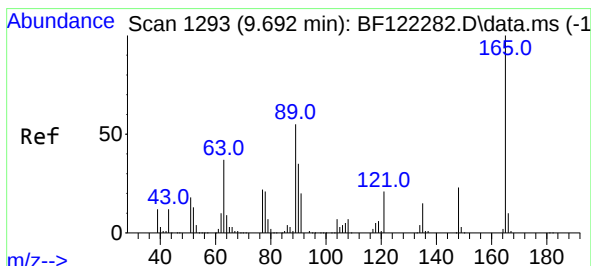
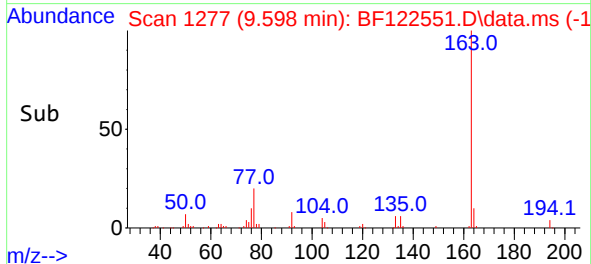
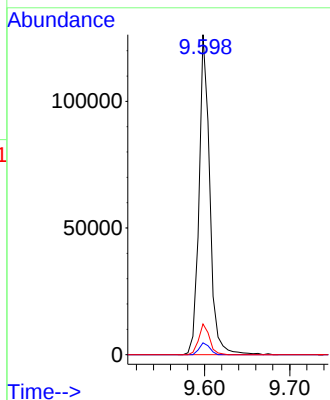


#50  
Dimethylphthalate  
Concen: 4.29 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. -0.018 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

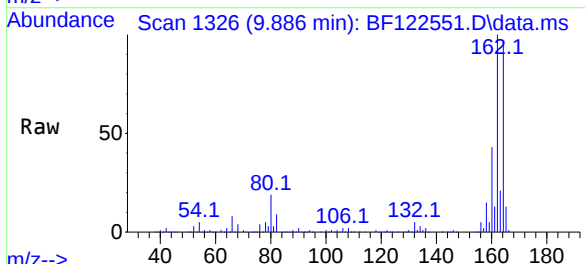
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75



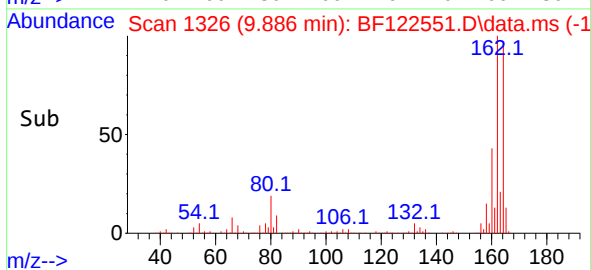
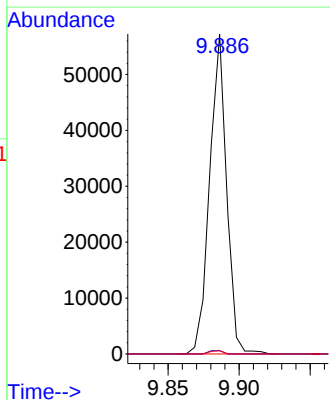
Tgt Ion:163 Resp: 110463  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 9.6 8.2 12.4

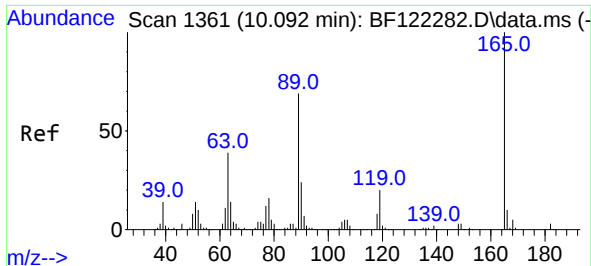


#51  
2,6-Dinitrotoluene  
Concen: 11.47 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. 0.212 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08



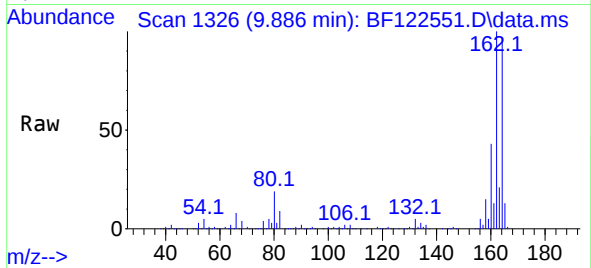
Tgt Ion:165 Resp: 47605  
Ion Ratio Lower Upper  
165 100  
63 1.0 51.8 77.6#  
89 1.0 49.0 73.6#



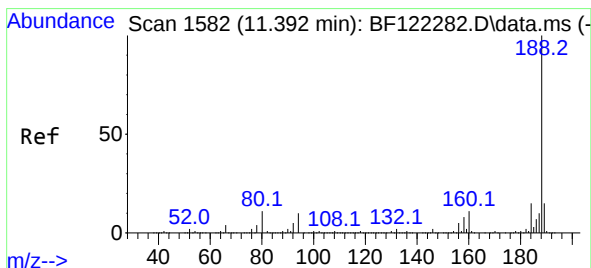
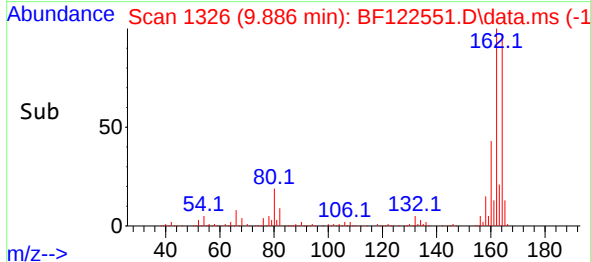
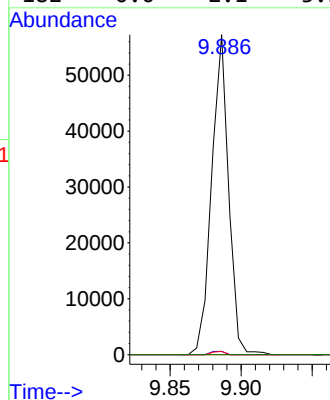


#57  
2,4-Dinitrotoluene  
Concen: 10.67 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.194 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

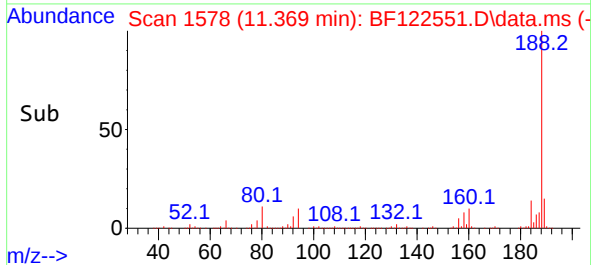
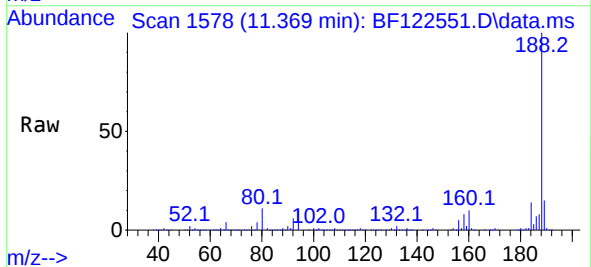
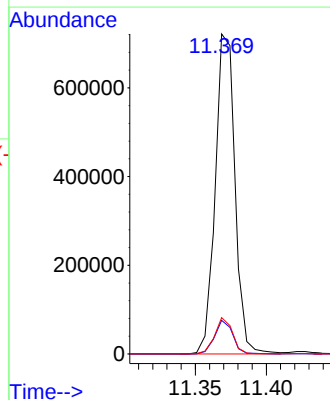


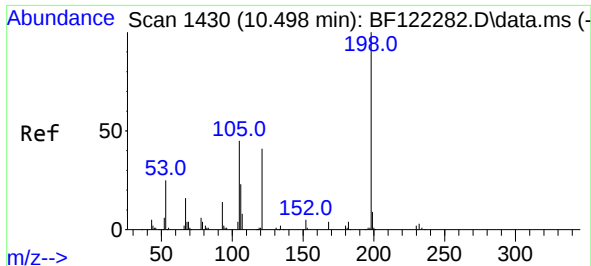
Tgt Ion:165 Resp: 47605  
Ion Ratio Lower Upper  
165 100  
63 1.0 41.3 61.9#  
89 1.0 61.8 92.8#  
182 0.0 2.1 3.1#



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.369 min Scan# 1578  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

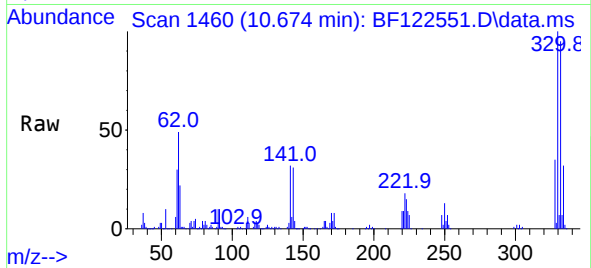
Tgt Ion:188 Resp: 697230  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.3 12.5  
80 11.3 9.1 13.7



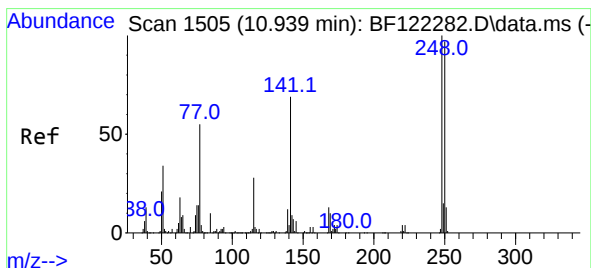
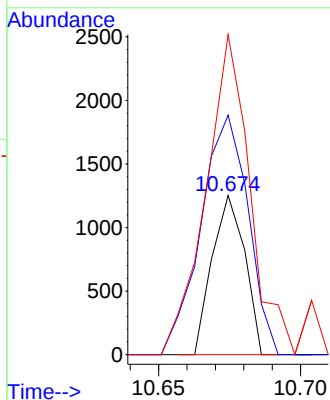
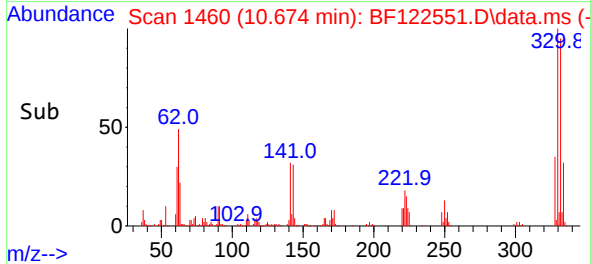


#65  
4,6-Dinitro-2-methylphenol  
Concen: 6.56 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. 0.188 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

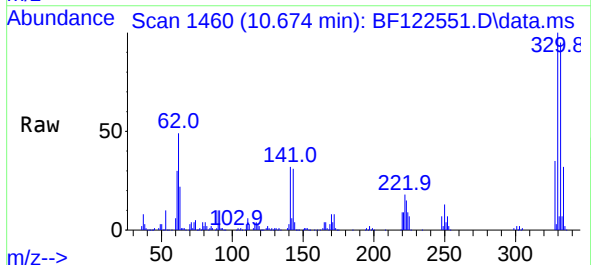
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75



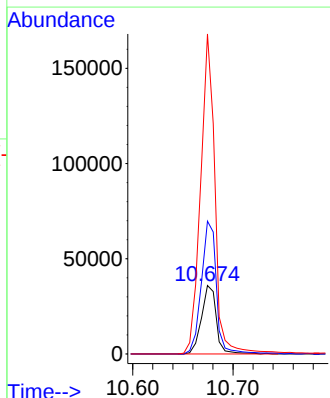
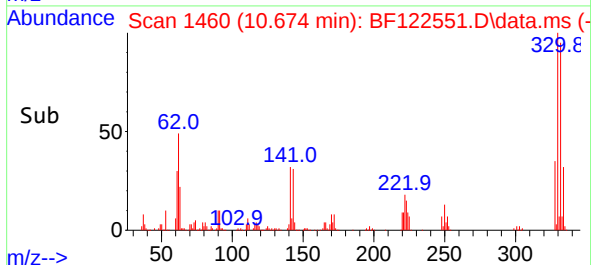
Tgt Ion:198 Resp: 996  
Ion Ratio Lower Upper  
198 100  
51 150.6 29.6 69.6#  
105 201.1 24.4 64.4#

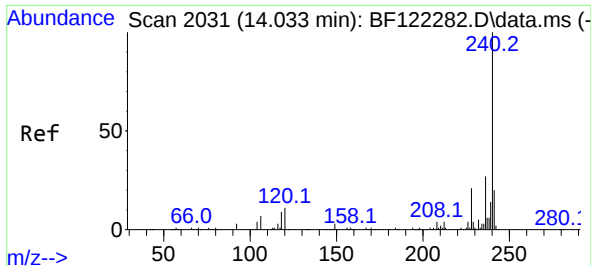


#67  
4-Bromophenyl-phenylether  
Concen: 4.54 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.247 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08



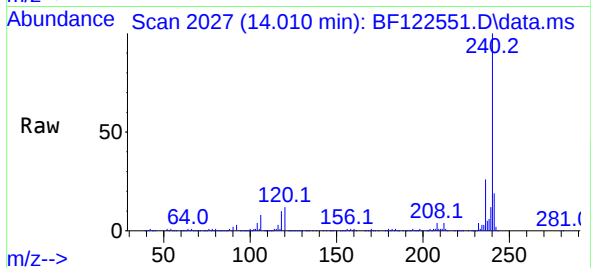
Tgt Ion:248 Resp: 37217  
Ion Ratio Lower Upper  
248 100  
250 193.9 77.0 115.6#  
141 467.5 53.7 80.5#



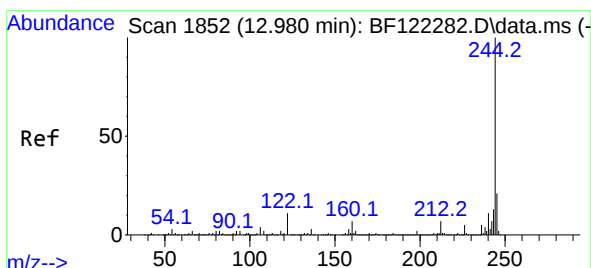
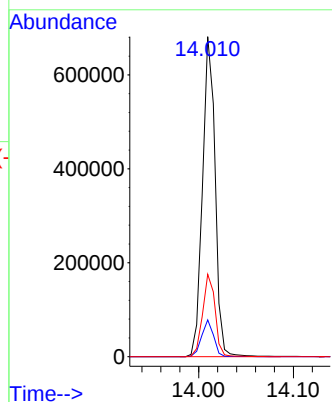
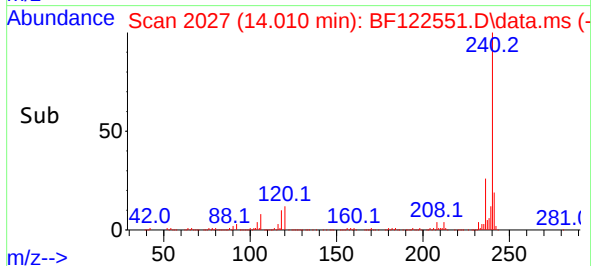


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

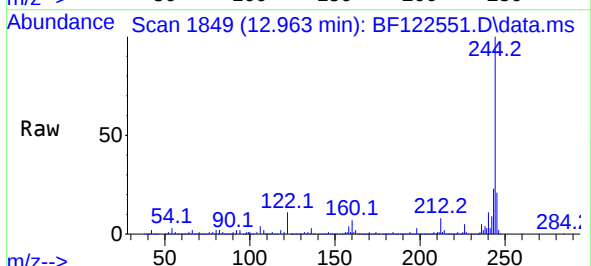
Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75



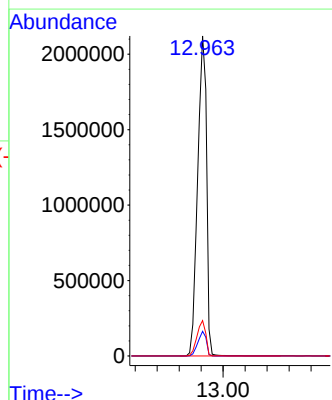
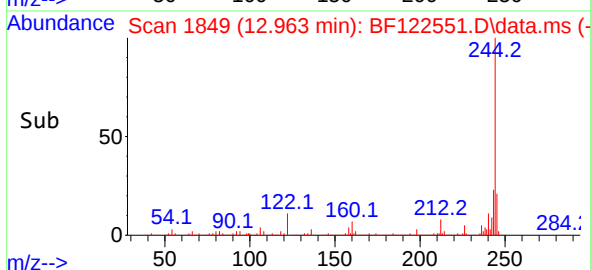
Tgt Ion:240 Resp: 630283  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.2 13.8  
236 25.8 20.9 31.3

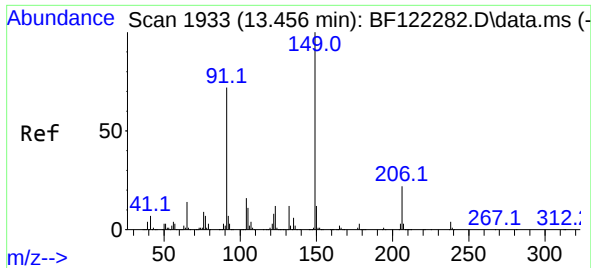


#79  
Terphenyl-d14  
Concen: 80.23 ng  
RT: 12.963 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08



Tgt Ion:244 Resp: 2387062  
Ion Ratio Lower Upper  
244 100  
212 7.7 5.4 8.2  
122 11.1 8.1 12.1



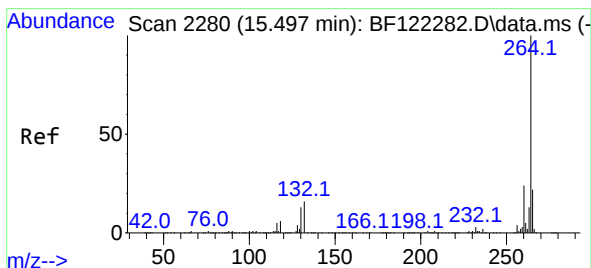
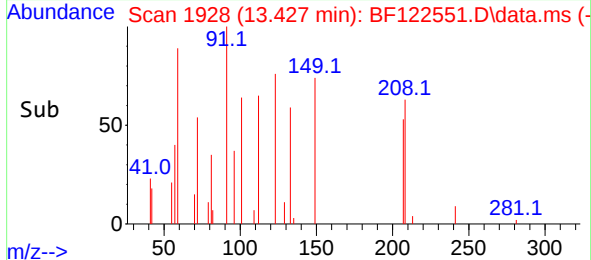
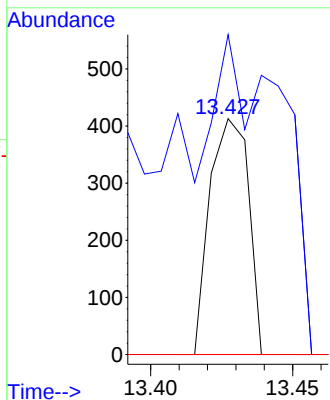
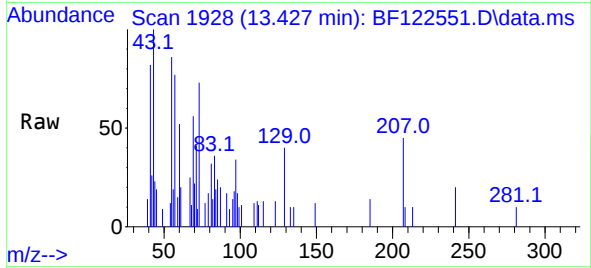


#80  
Butylbenzylphthalate  
Concen: 3.31 ng  
RT: 13.427 min Scan# 1928  
Delta R.T. -0.006 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
PAV-B47-113020-10-12.75

Tgt Ion:149 Resp: 391

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 135.6 | 61.0  | 91.4# |
| 206 | 0.0   | 16.7  | 25.1# |



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.480 min Scan# 2277  
Delta R.T. -0.000 min  
Lab File: BF122551.D  
Acq: 4 Dec 2020 18:08

Tgt Ion:264 Resp: 507434

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 18.7  | 28.1  |
| 265 | 21.3  | 17.3  | 25.9  |

