

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120920\  
 Data File : BF122628.D  
 Acq On : 10 Dec 2020 00:31  
 Operator : JU/CG  
 Sample : L4971-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 5S2-A-D-COMP

Quant Time: Dec 10 03:08:25 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

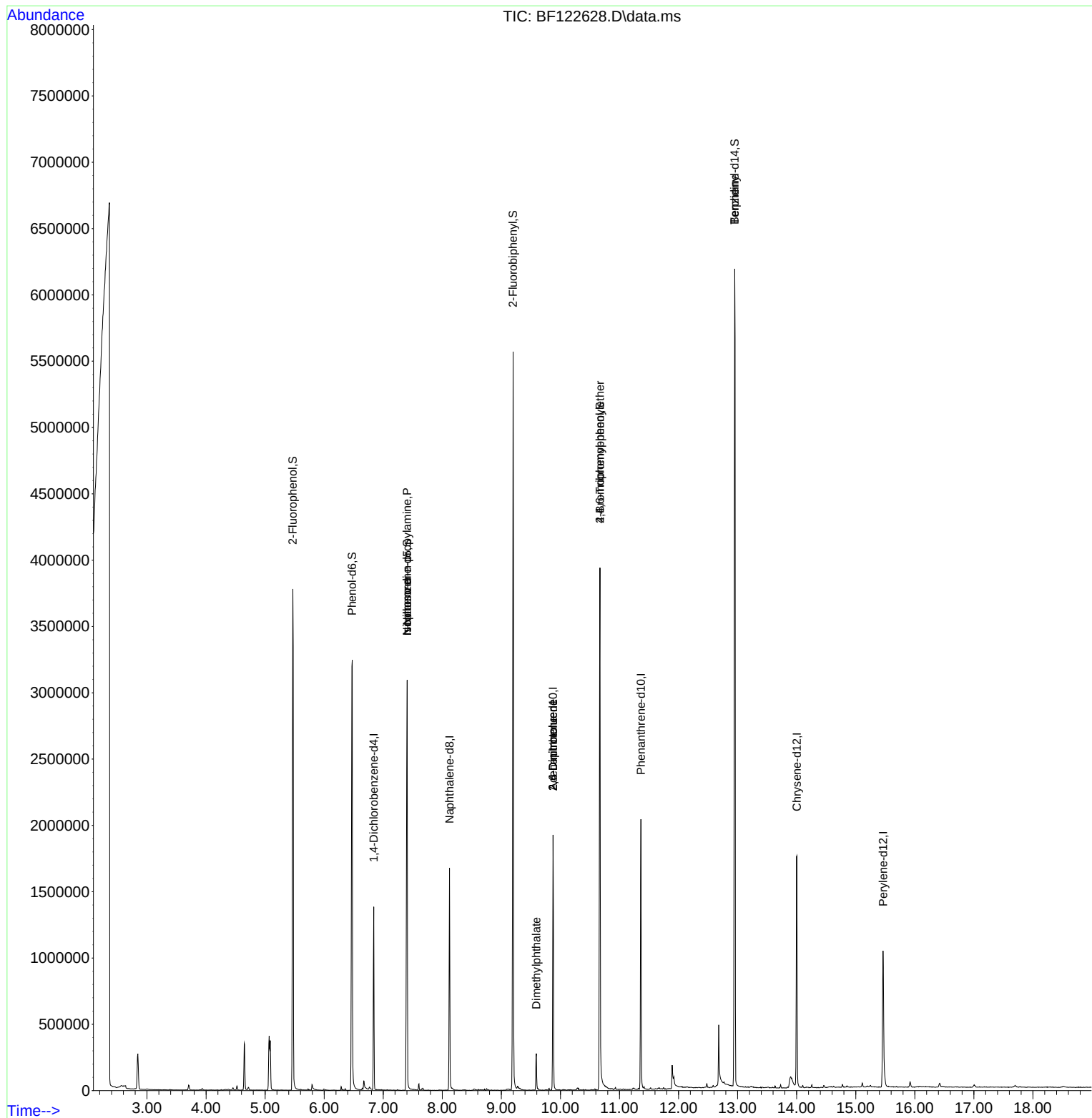
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 188826   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 742104   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 401572   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 753175   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 679241   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.462 | 264  | 570879   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1235821  | 103.61 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.475  | 99   | 1403541  | 88.73  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 1074412  | 72.54  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 605796   | 115.25 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1863499  | 62.77  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2370502  | 61.09  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.404  | 70   | 143911   | 15.88  | ng    | # 78     |
| 25) Isophorone                | 7.404  | 82   | 1059574  | 41.53  | ng    | # 65     |
| 50) Dimethylphthalate         | 9.592  | 163  | 129943   | 4.05   | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.875  | 165  | 51181    | 7.56   | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 9.875  | 165  | 51181    | 5.67   | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether | 10.669 | 248  | 37307    | 3.66   | ng    | # 1      |
| 77) Benzidine                 | 12.951 | 184  | 30745    | 2.09   | ng    | # 89     |
| -----                         |        |      |          |        |       |          |

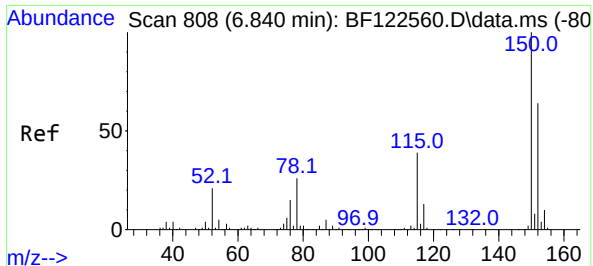
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120920\  
Data File : BF122628.D  
Acq On : 10 Dec 2020 00:31  
Operator : JU/CG  
Sample : L4971-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

Quant Time: Dec 10 03:08:25 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

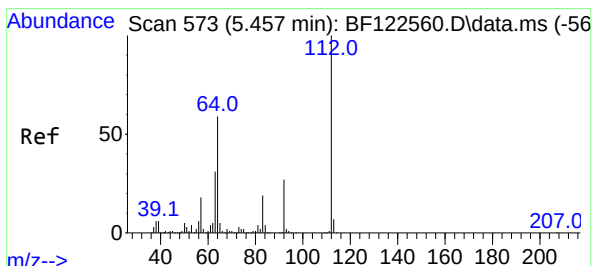
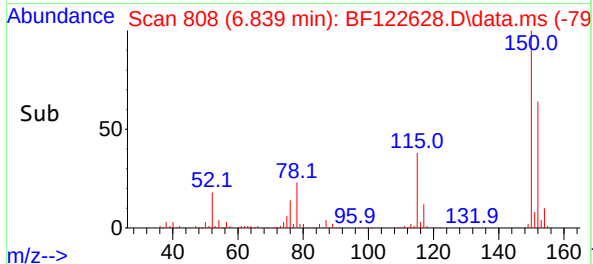
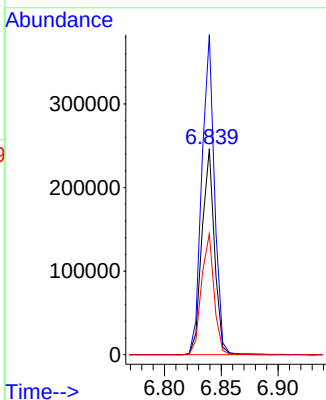
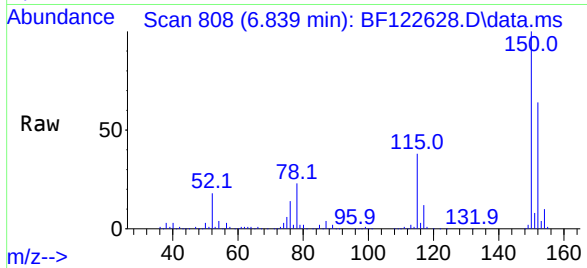




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.839 min Scan# 808  
Delta R.T. -0.001 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

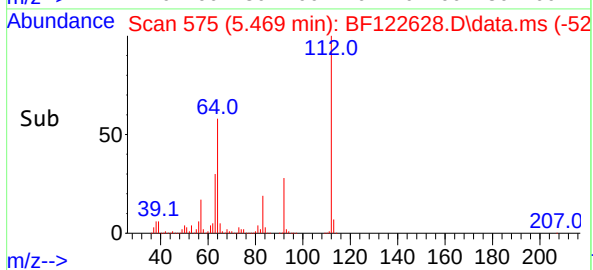
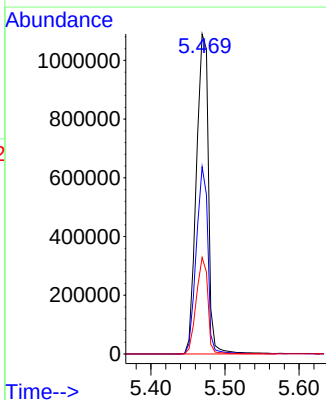
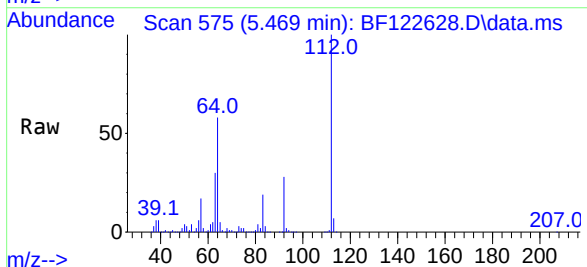
Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

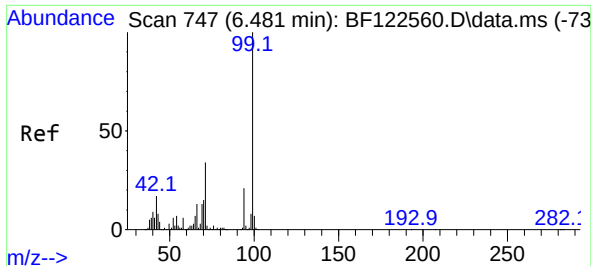
Tgt Ion:152 Resp: 188826  
Ion Ratio Lower Upper  
152 100  
150 155.3 125.8 188.6  
115 58.7 49.3 73.9



#5  
2-Fluorophenol  
Concen: 103.61 ng  
RT: 5.469 min Scan# 575  
Delta R.T. 0.012 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion:112 Resp: 1235821  
Ion Ratio Lower Upper  
112 100  
64 58.5 46.9 70.3  
63 30.2 24.5 36.7



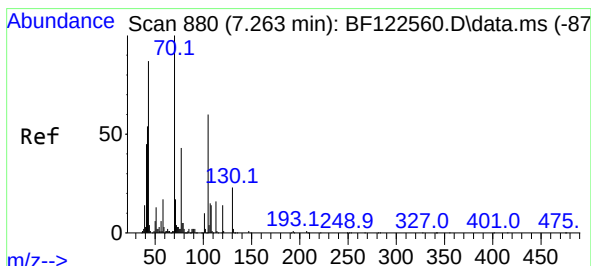
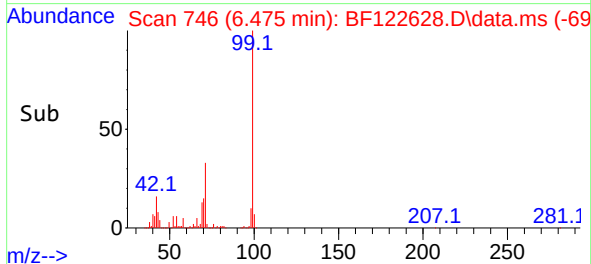
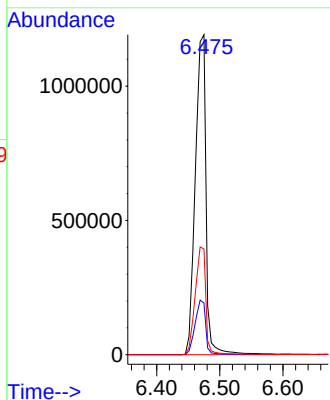
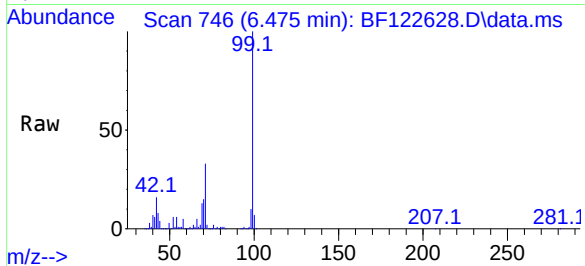


#7  
Phenol-d6  
Concen: 88.73 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1403541

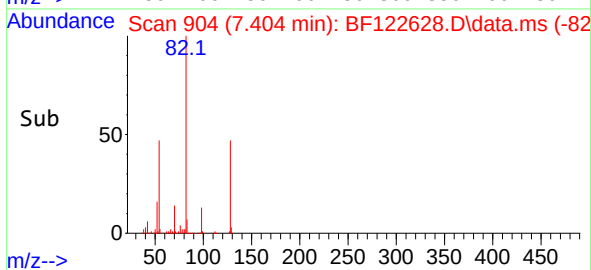
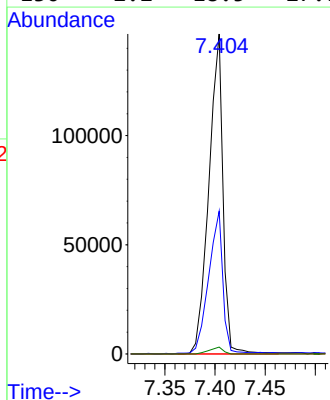
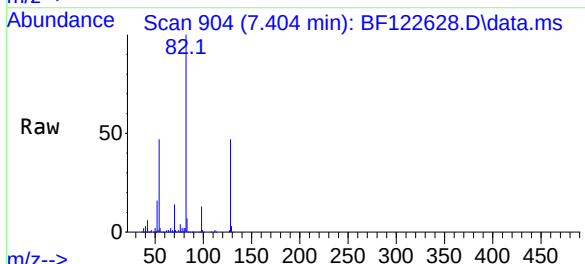
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.2  | 13.8  | 20.6  |
| 71  | 33.1  | 26.9  | 40.3  |

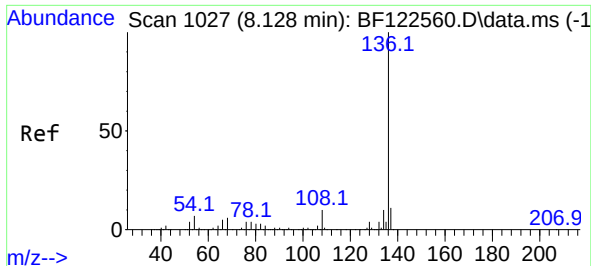


#19  
n-Nitroso-di-n-propylamine  
Concen: 15.88 ng  
RT: 7.404 min Scan# 904  
Delta R.T. 0.141 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion: 70 Resp: 143911

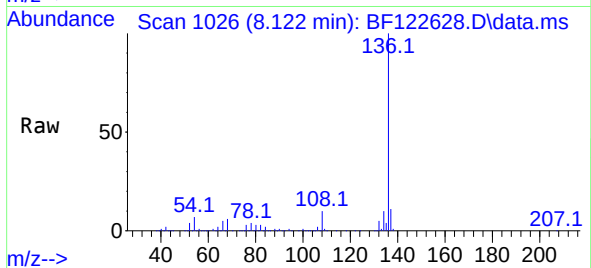
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 44.6  | 43.0  | 64.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 2.2   | 18.5  | 27.7# |





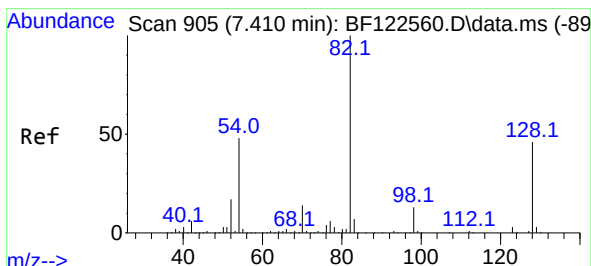
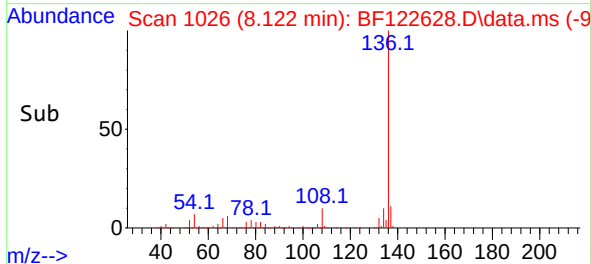
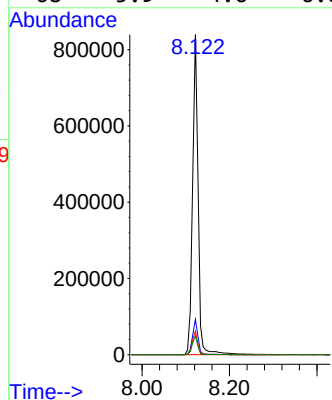
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Instrument :  
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ClientSampleId :  
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Tgt Ion:136 Resp: 742104

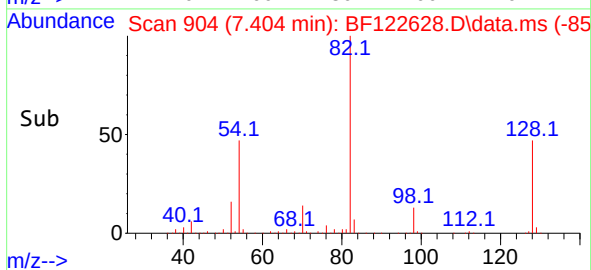
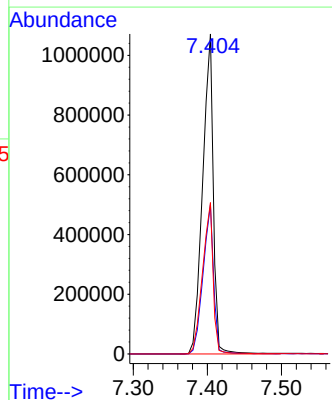
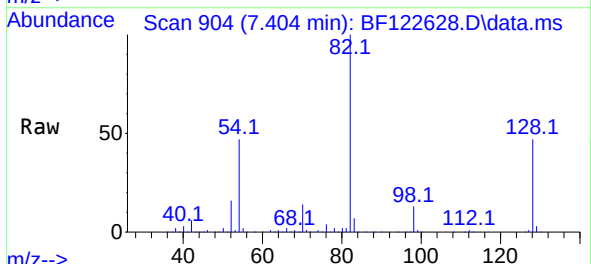
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 7.4   | 5.5   | 8.3   |
| 68  | 5.9   | 4.6   | 6.8   |

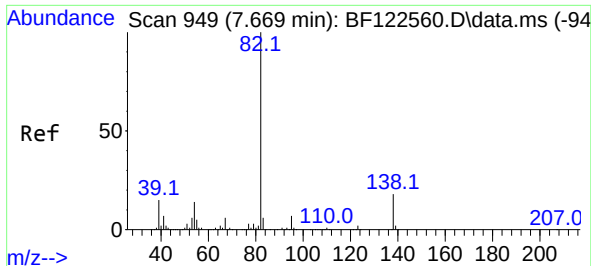


#23  
Nitrobenzene-d5  
Concen: 72.54 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion: 82 Resp: 1074412

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 46.7  | 37.0  | 55.4  |
| 54  | 47.3  | 38.4  | 57.6  |

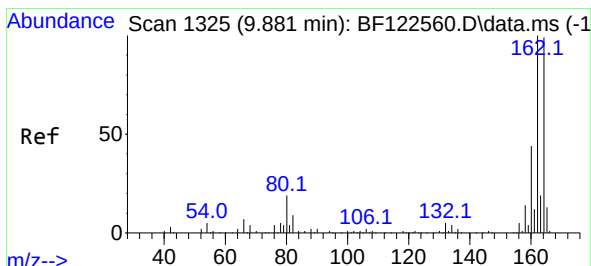
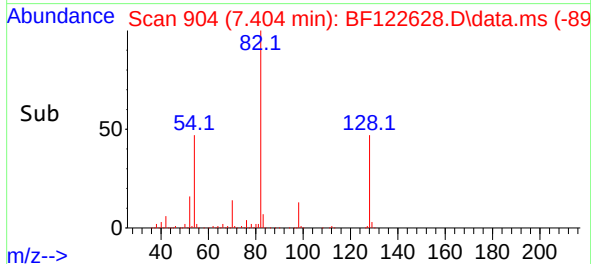
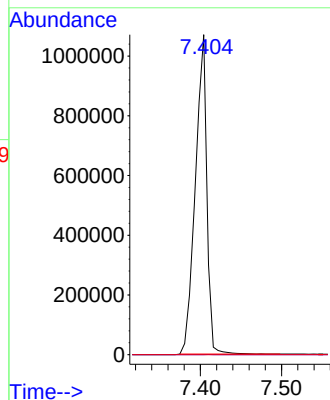
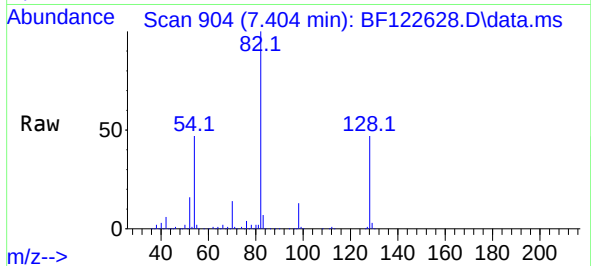




#25  
Isophorone  
Concen: 41.53 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.265 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

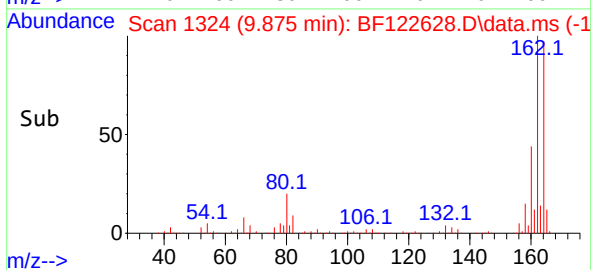
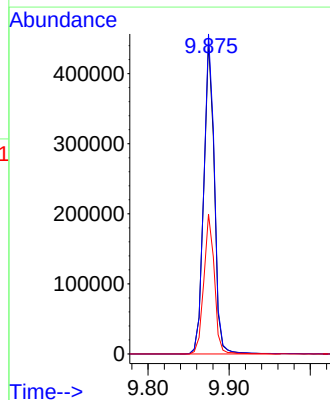
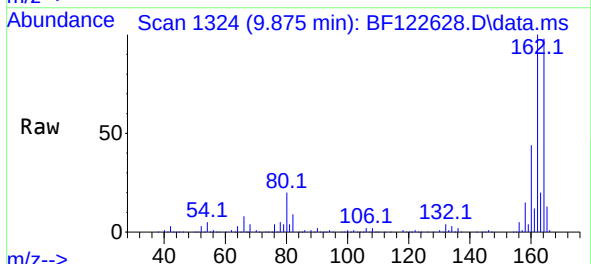
Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

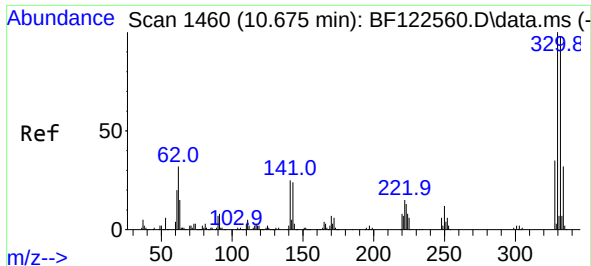
Tgt Ion: 82 Resp: 1059574  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.6 21.8#



#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

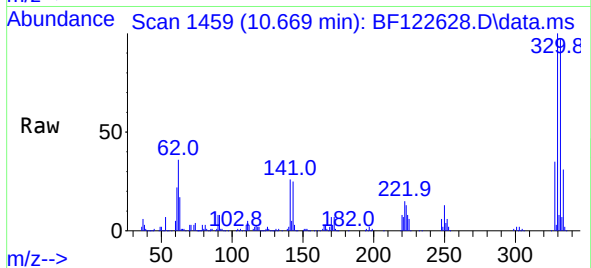
Tgt Ion: 164 Resp: 401572  
Ion Ratio Lower Upper  
164 100  
162 102.5 80.8 121.2  
160 44.8 35.4 53.0



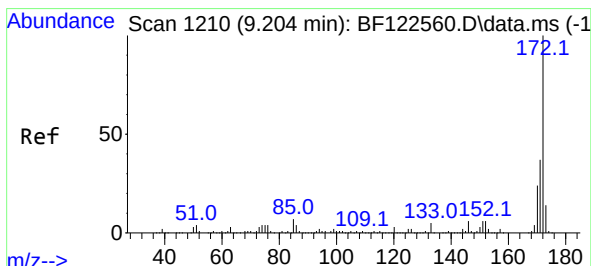
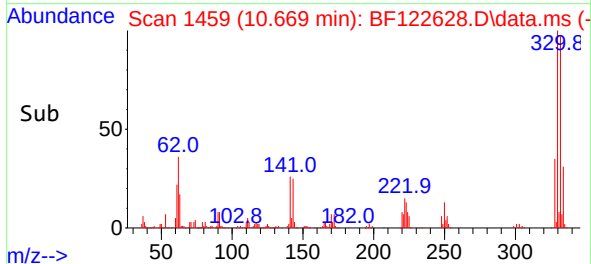
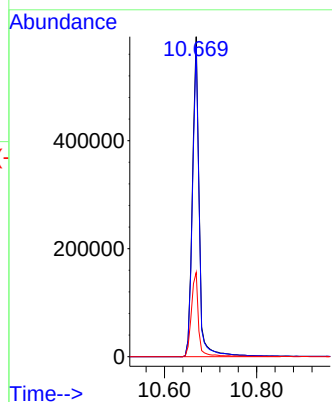


#42  
2,4,6-Tribromophenol  
Concen: 115.25 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

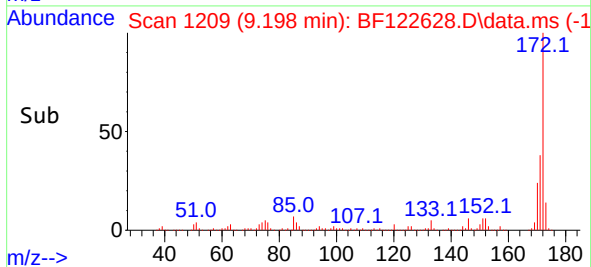
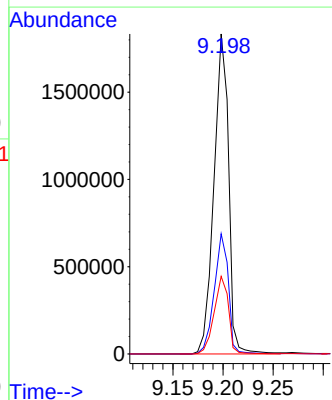
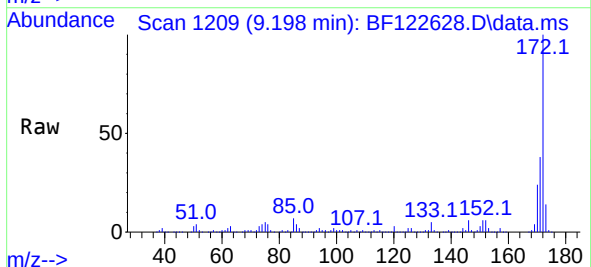


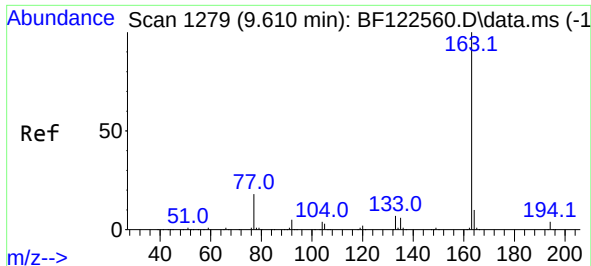
Tgt Ion:330 Resp: 605796  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.5 116.3  
141 27.9 23.8 35.8



#45  
2-Fluorobiphenyl  
Concen: 62.77 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion:172 Resp: 1863499  
Ion Ratio Lower Upper  
172 100  
171 37.5 29.6 44.4  
170 24.3 19.5 29.3

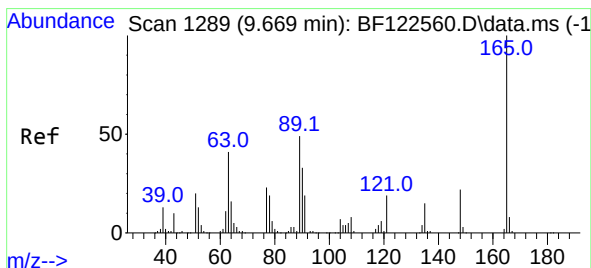
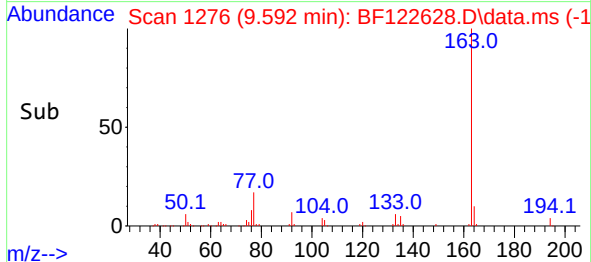
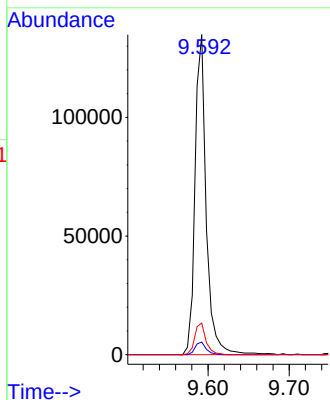
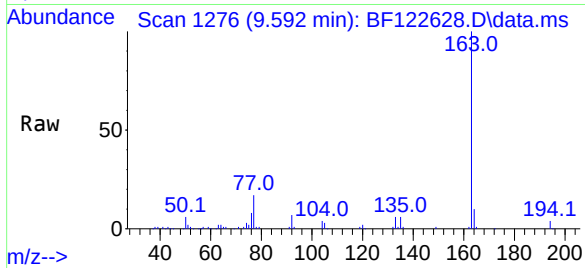




#50  
Dimethylphthalate  
Concen: 4.05 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. -0.018 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

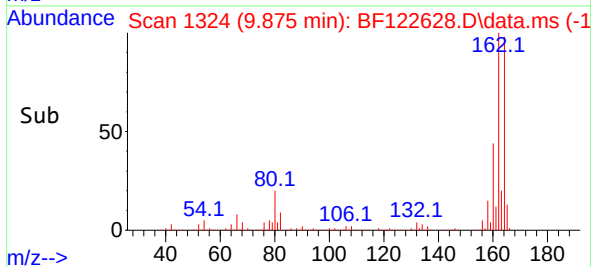
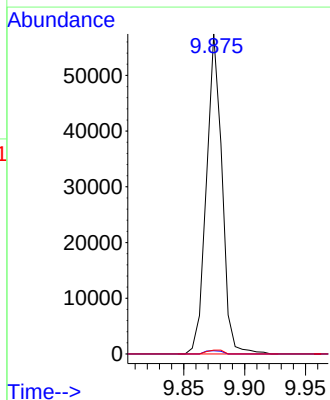
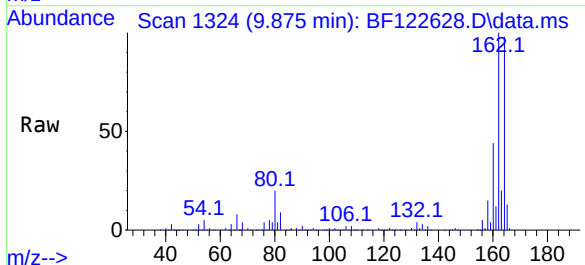
Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

Tgt Ion:163 Resp: 129943  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 9.9 8.1 12.1

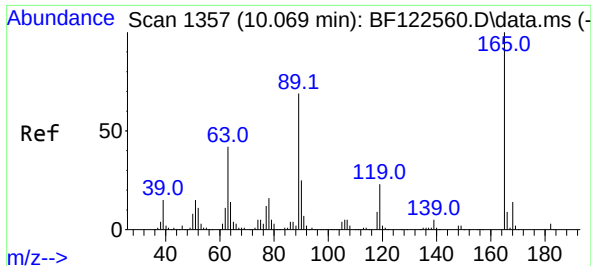


#51  
2,6-Dinitrotoluene  
Concen: 7.56 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.206 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion:165 Resp: 51181  
Ion Ratio Lower Upper  
165 100  
63 1.0 36.6 55.0#  
89 1.2 39.4 59.0#



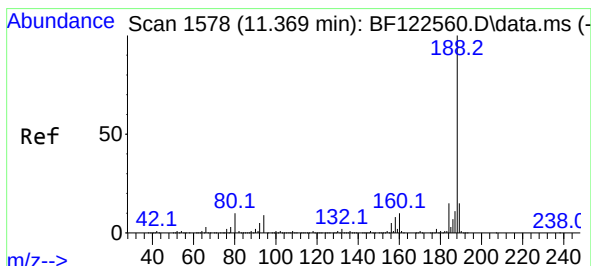
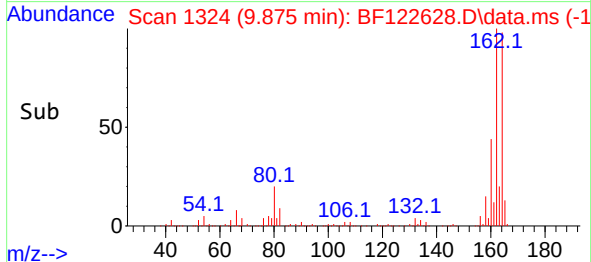
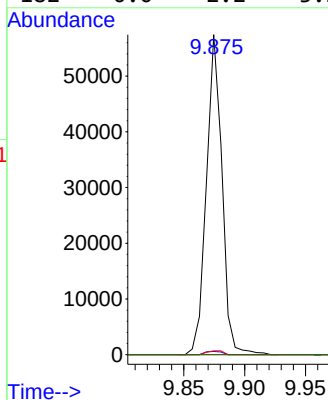
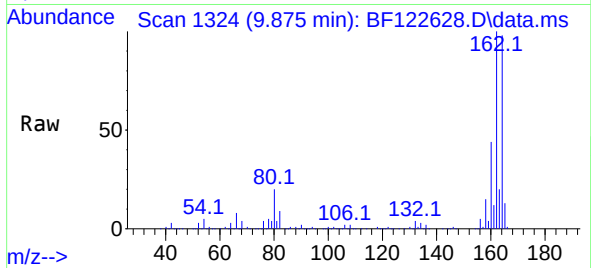




#57  
2,4-Dinitrotoluene  
Concen: 5.67 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. -0.194 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

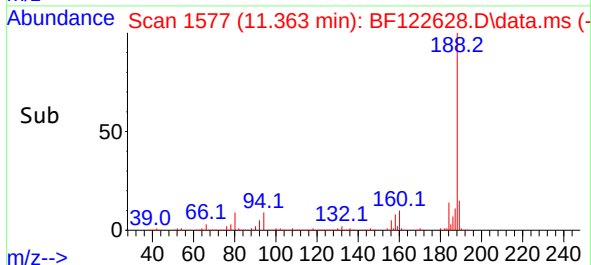
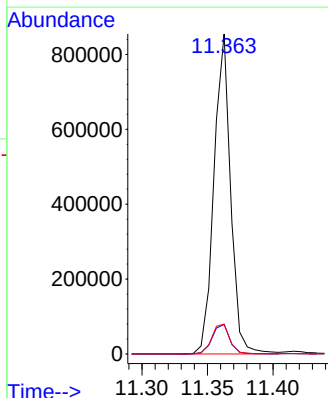
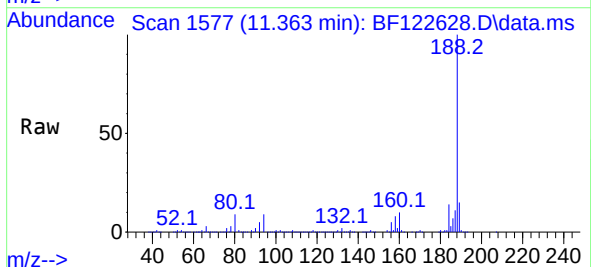
Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

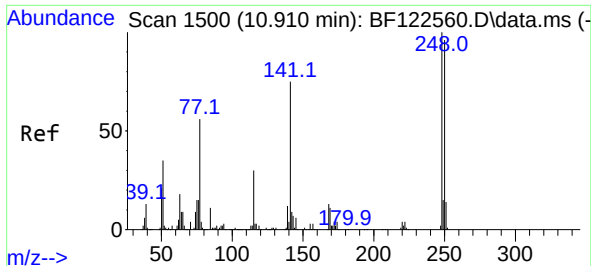
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:165 | Resp: | 51181      |
| Ion Ratio   | Lower | Upper      |
| 165         | 100   |            |
| 63          | 1.0   | 34.3 51.5# |
| 89          | 1.2   | 55.2 82.8# |
| 182         | 0.0   | 2.2 3.2#   |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 753175   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 9.2   | 7.4 11.2 |
| 80          | 9.3   | 8.2 12.4 |

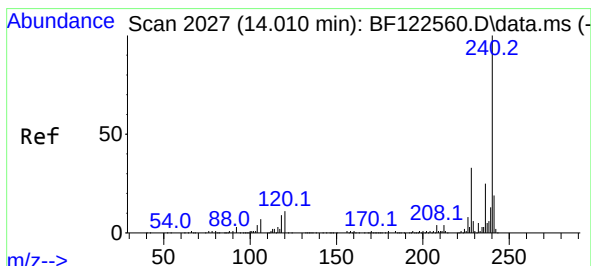
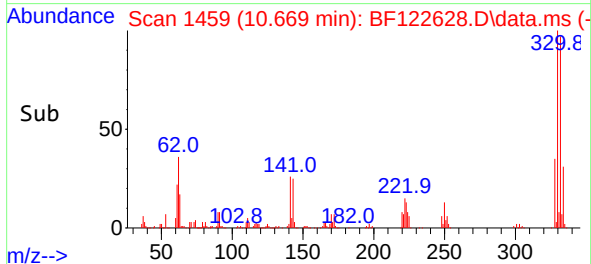
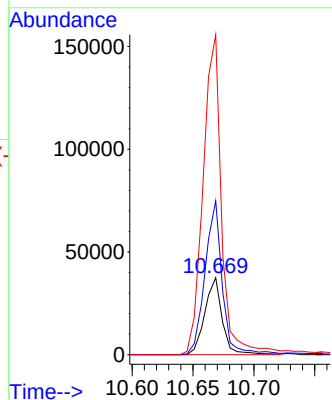
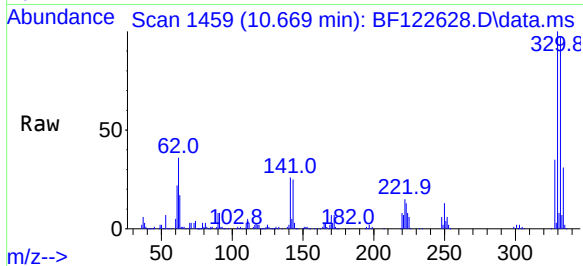




#67  
4-Bromophenyl-phenylether  
Concen: 3.66 ng  
RT: 10.669 min Scan# 1459  
Delta R.T. -0.241 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

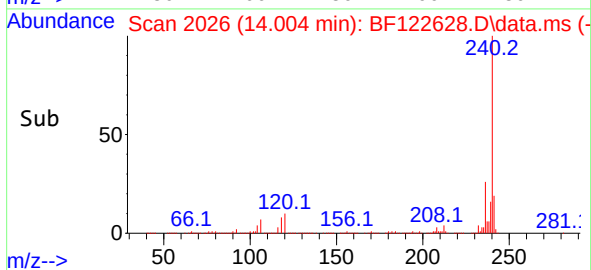
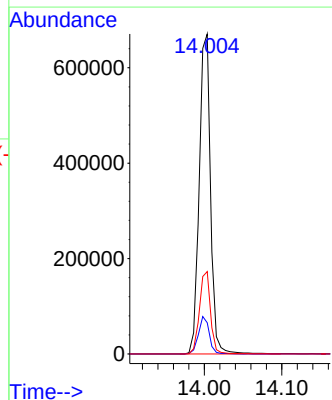
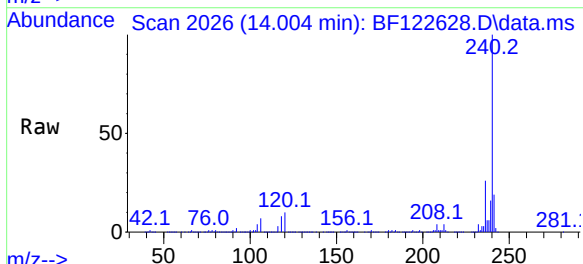
Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

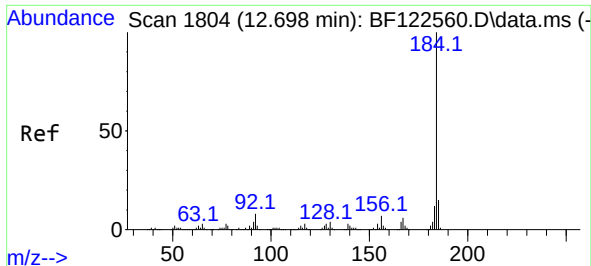
Tgt Ion:248 Resp: 37307  
Ion Ratio Lower Upper  
248 100  
250 200.2 76.8 115.2#  
141 416.2 59.8 89.8#



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

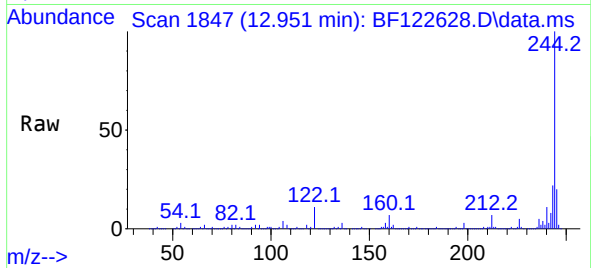
Tgt Ion:240 Resp: 679241  
Ion Ratio Lower Upper  
240 100  
120 9.7 8.6 12.8  
236 25.7 20.3 30.5



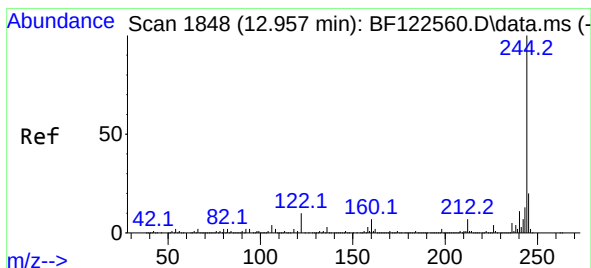
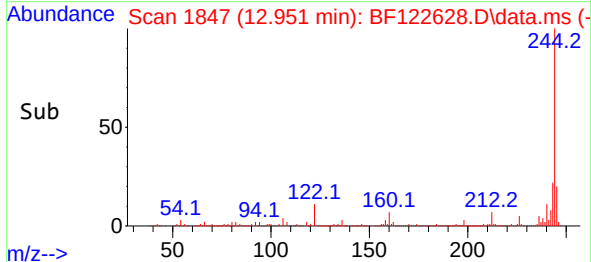
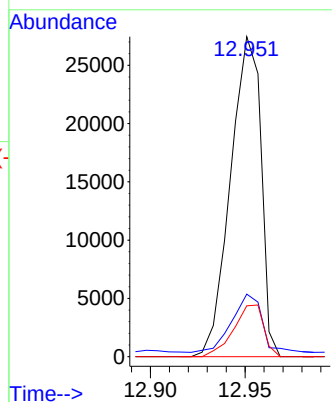


#77  
Benzidine  
Concen: 2.09 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. 0.253 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Instrument :  
BNA\_F  
ClientSampleId :  
5S2-A-D-COMP

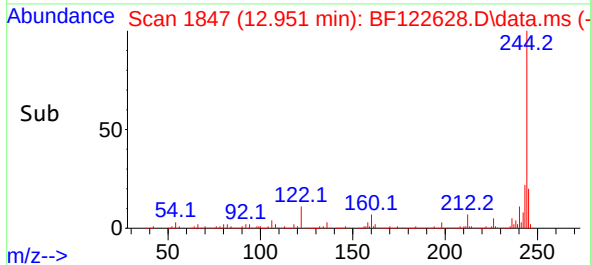
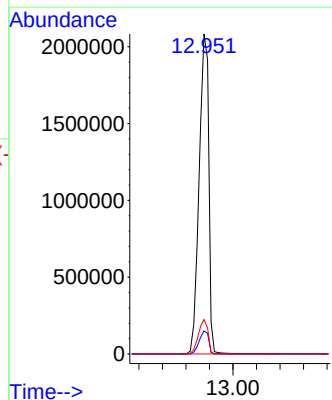
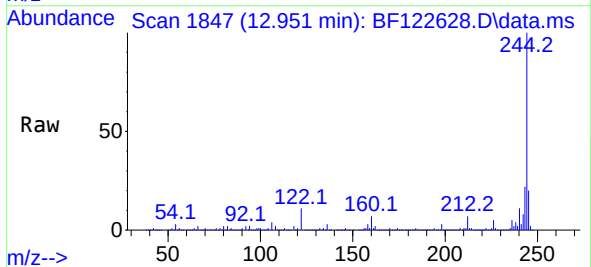


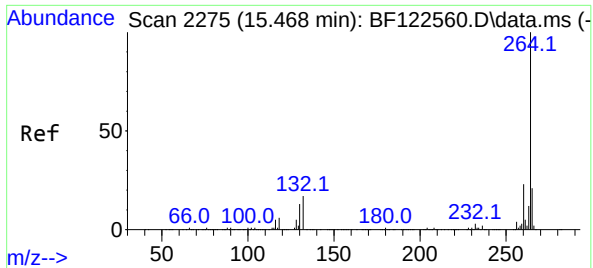
Tgt Ion:184 Resp: 30745  
Ion Ratio Lower Upper  
184 100  
185 19.5 11.8 17.6#  
183 15.9 9.7 14.5#



#79  
Terphenyl-d14  
Concen: 61.09 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.006 min  
Lab File: BF122628.D  
Acq: 10 Dec 2020 00:31

Tgt Ion:244 Resp: 2370502  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 10.7 8.3 12.5





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.462 min Scan# 2274  
 Delta R.T. -0.006 min  
 Lab File: BF122628.D  
 Acq: 10 Dec 2020 00:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 5S2-A-D-COMP

Tgt Ion:264 Resp: 570879

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.6  | 28.0  |
| 265 | 21.8  | 17.0  | 25.6  |

