

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061021\  
 Data File : BF124241.D  
 Acq On : 10 Jun 2021 19:49  
 Operator : JU/CG  
 Sample : M2658-01  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-FLOOR

Quant Time: Jun 11 01:25:48 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF060321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 10 01:53:56 2021  
 Response via : Initial Calibration

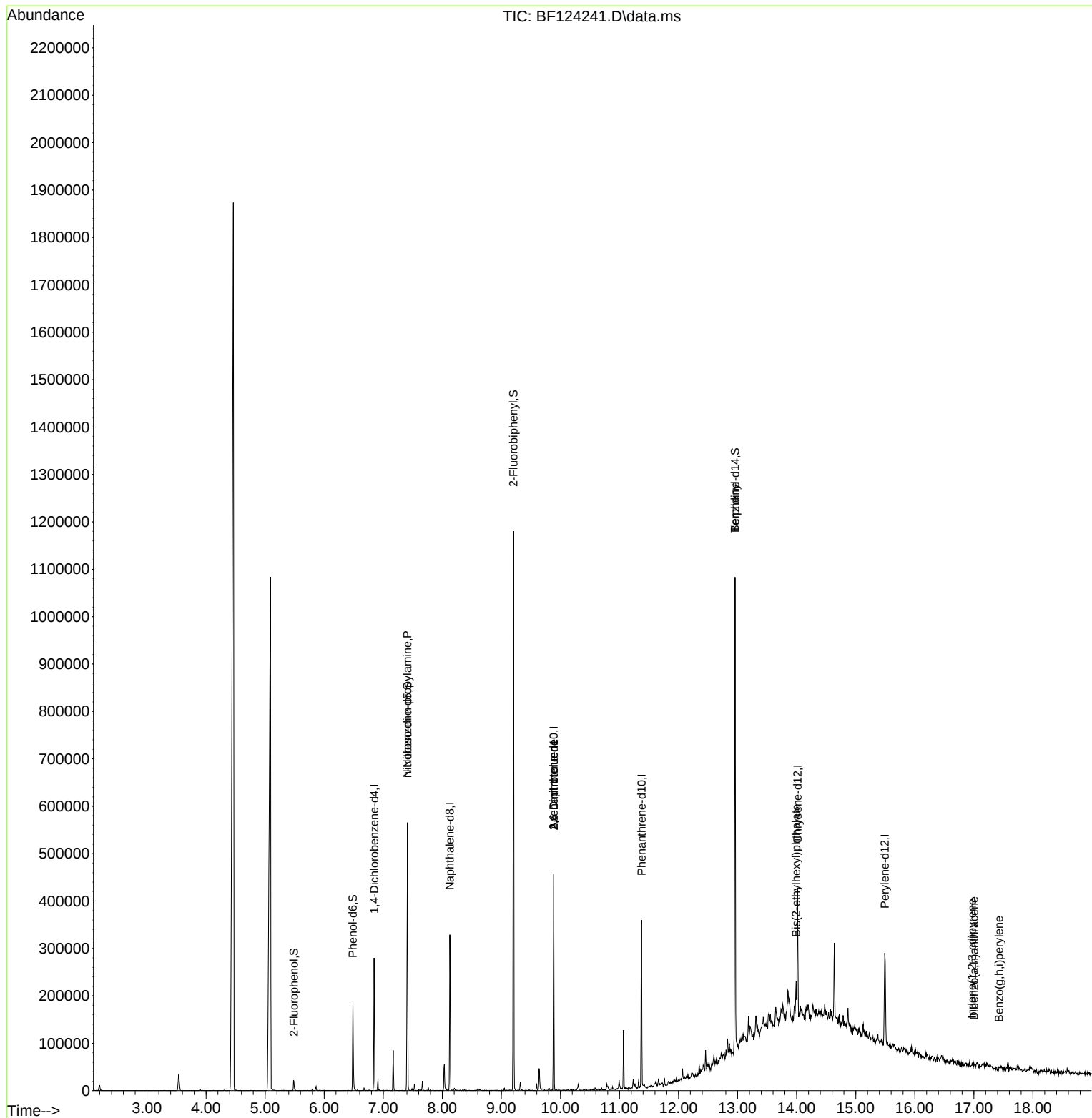
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 33042    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 121397   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.886  | 164  | 71705    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.374 | 188  | 123825   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 80425    | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.492 | 264  | 80390    | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 5564     | 2.53  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 47347    | 16.05 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 146636   | 47.91 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 282      | 0.28  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 296109   | 51.96 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 273020   | 46.61 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 19) n-Nitroso-di-n-propyla... | 7.410  | 70   | 21105    | 10.13 | ng    | # 60     |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 9516     | 7.00  | ng    | # 14     |
| 57) 2,4-Dinitrotoluene        | 9.886  | 165  | 9516     | 5.30  | ng    | # 19     |
| 77) Benzidine                 | 12.957 | 184  | 5149     | 6.58  | ng    | # 89     |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 19072    | 5.12  | ng    | # 86     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 1214     | 4.50  | ng    | # 74     |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 190      | 4.21  | ng    | # 1      |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 1020     | 3.97  | ng    | # 30     |
| -----                         |        |      |          |       |       |          |

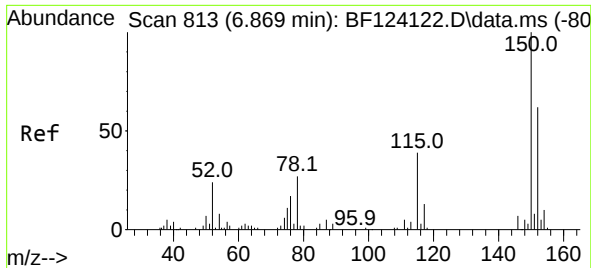
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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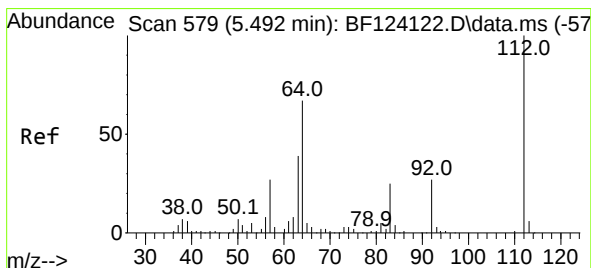
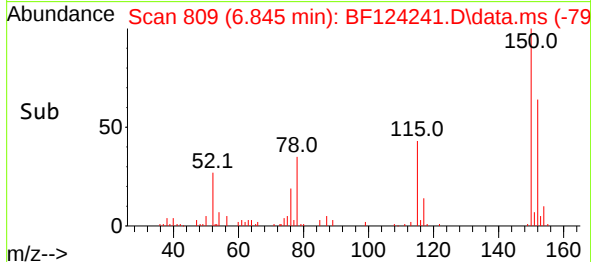
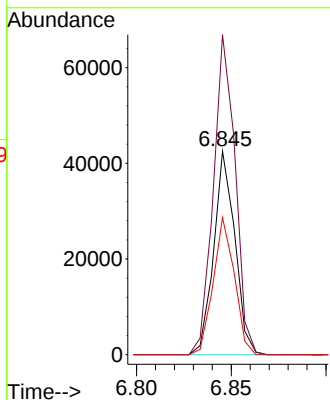
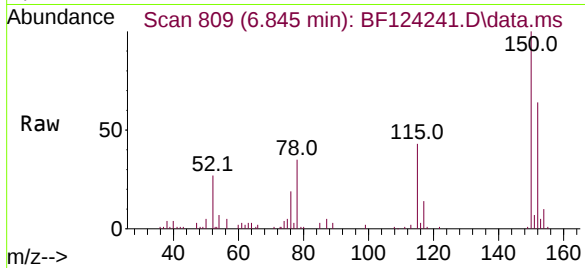




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.845 min Scan# 809  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

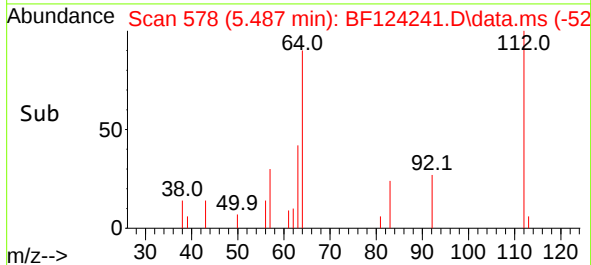
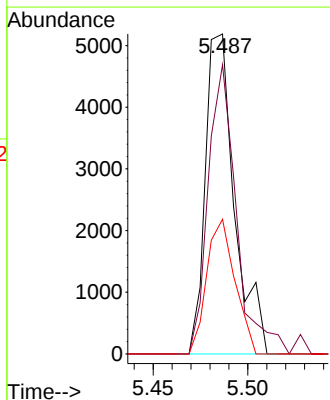
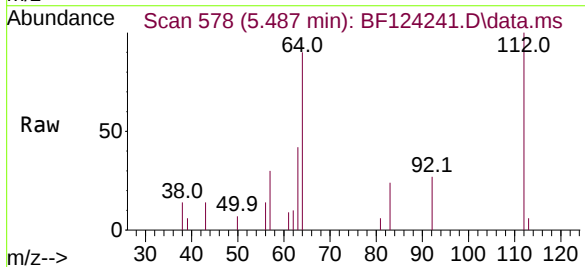
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

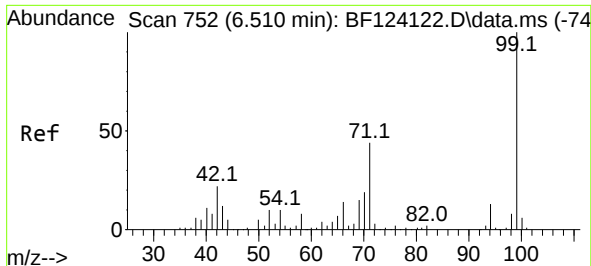
Tgt Ion:152 Resp: 33042  
Ion Ratio Lower Upper  
152 100  
150 157.3 127.0 190.6  
115 67.4 54.3 81.5



#5  
2-Fluorophenol  
Concen: 2.53 ng  
RT: 5.487 min Scan# 578  
Delta R.T. 0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion:112 Resp: 5564  
Ion Ratio Lower Upper  
112 100  
64 90.4 61.4 92.0  
63 42.1 33.0 49.4

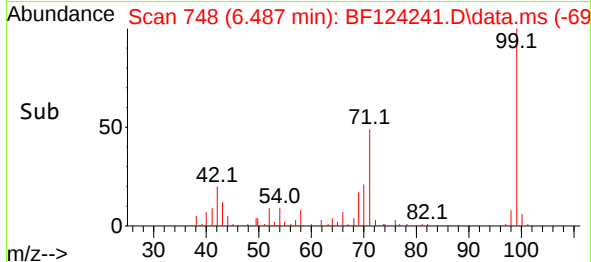
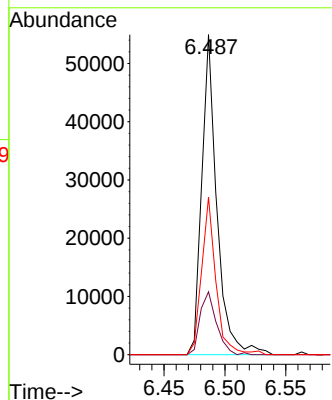
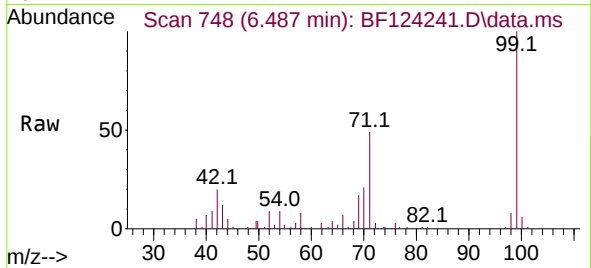




#7  
Phenol-d6  
Concen: 16.05 ng  
RT: 6.487 min Scan# 748  
Delta R.T. -0.012 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

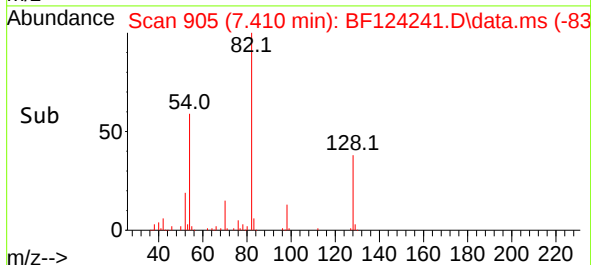
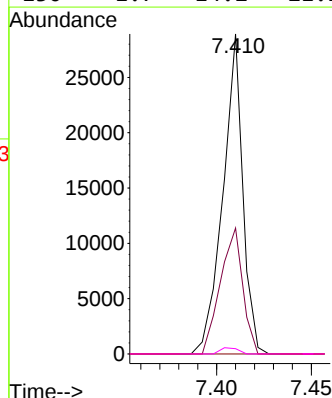
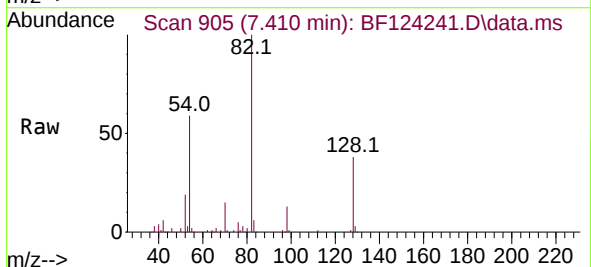
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

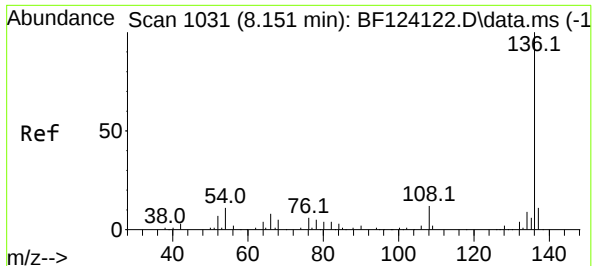
Tgt Ion: 99 Resp: 47347  
Ion Ratio Lower Upper  
99 100  
42 19.7 19.8 29.8#  
71 49.2 31.1 46.7#



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.13 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.141 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion: 70 Resp: 21105  
Ion Ratio Lower Upper  
70 100  
42 39.3 60.1 90.1#  
101 0.0 7.4 11.2#  
130 1.7 14.2 21.2#

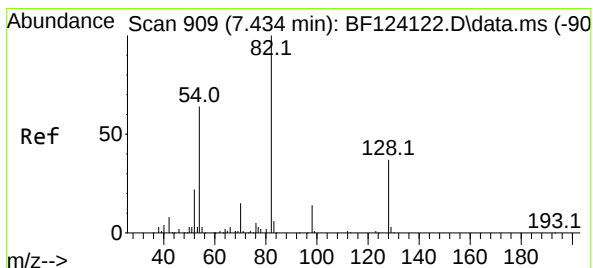
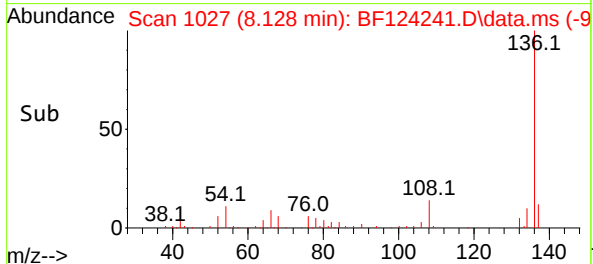
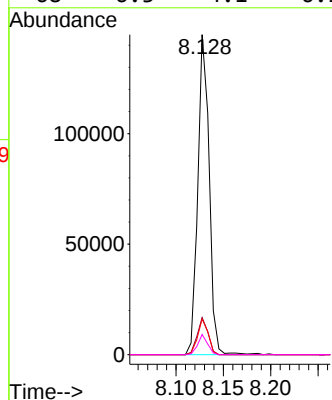
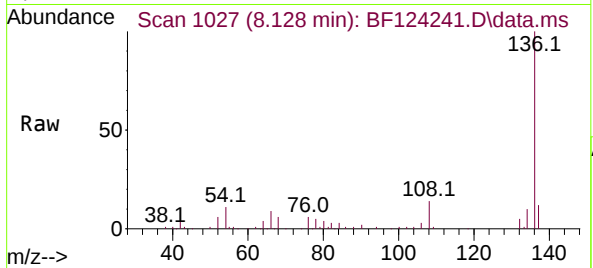




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

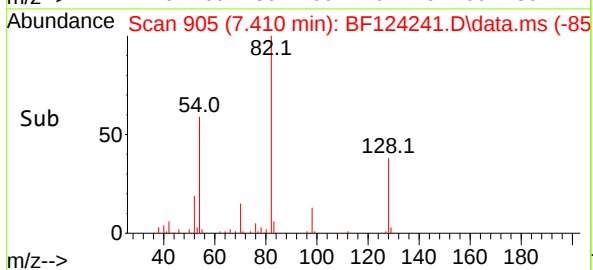
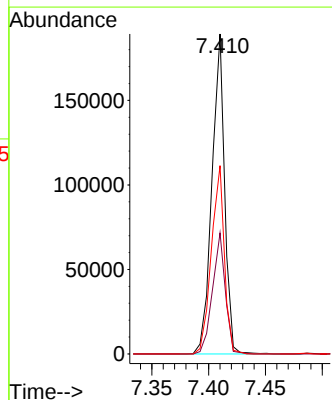
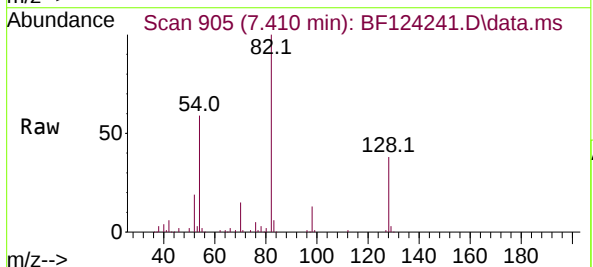
Instrument :  
BNA\_F  
ClientSampled :  
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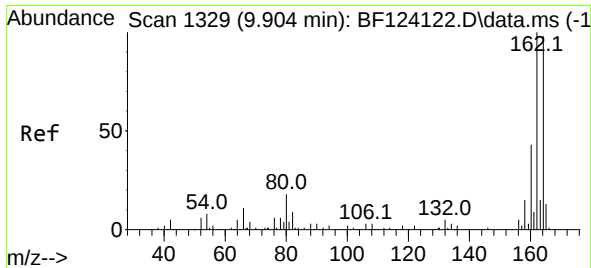
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 121397 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.6  | 8.7   | 13.1   |
| 54        | 11.2  | 9.8   | 14.6   |
| 68        | 6.3   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 47.91 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 82    | Resp: | 146636 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 37.9  | 29.4  | 44.2   |
| 54        | 58.9  | 54.1  | 81.1   |

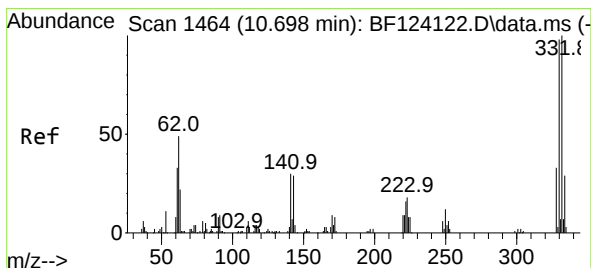
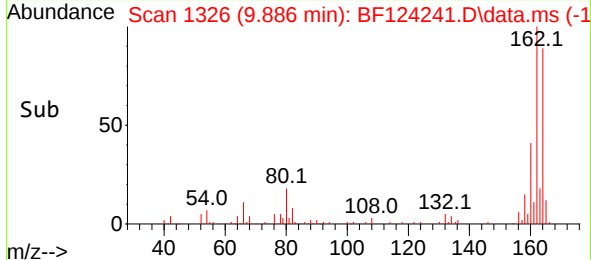
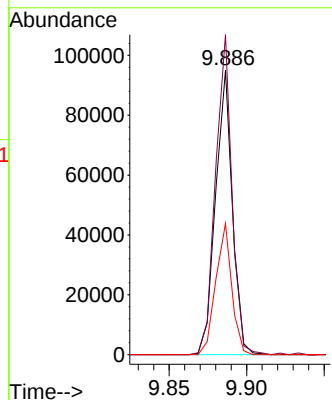
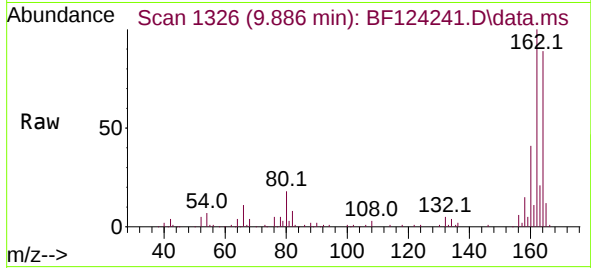




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

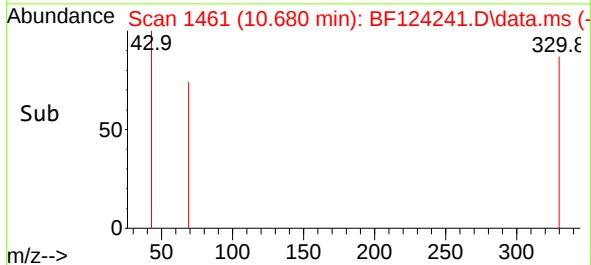
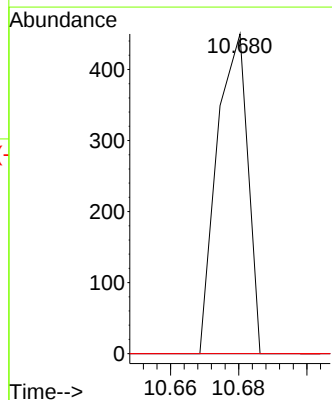
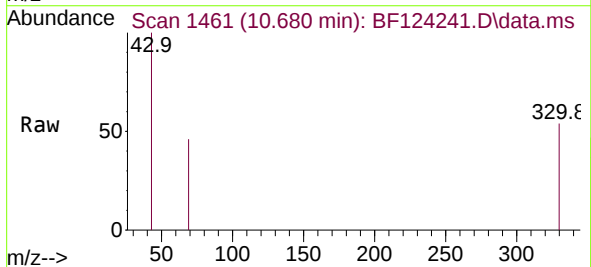
Instrument :  
BNA\_F  
ClientSampleId :  
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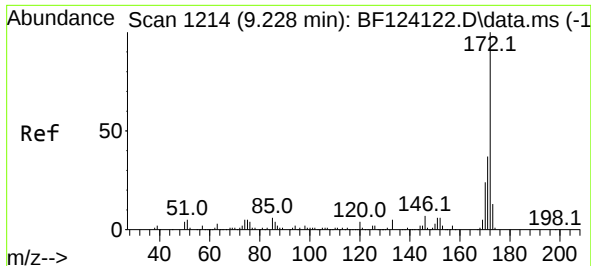
Tgt Ion:164 Resp: 71705  
Ion Ratio Lower Upper  
164 100  
162 112.5 80.7 121.1  
160 46.1 37.3 55.9



#42  
2,4,6-Tribromophenol  
Concen: 0.28 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion:330 Resp: 282  
Ion Ratio Lower Upper  
330 100  
332 0.0 77.1 115.7#  
141 0.0 27.9 41.9#

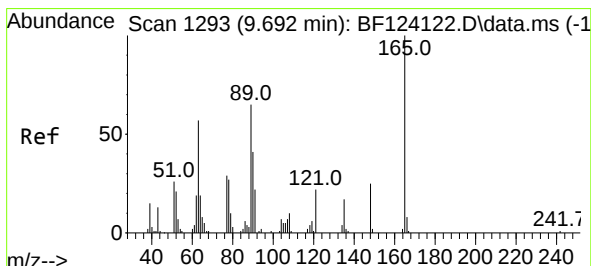
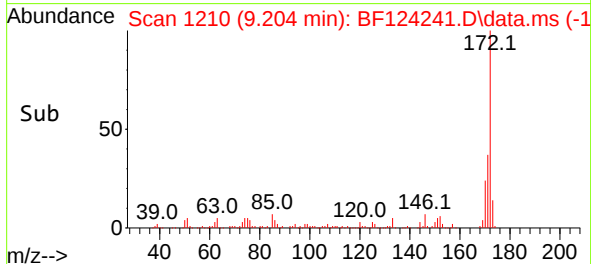
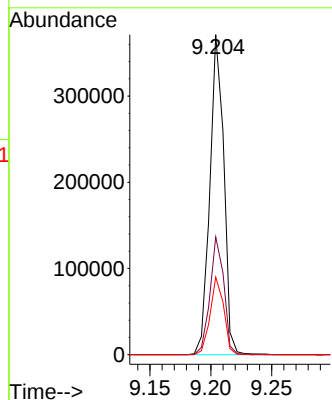
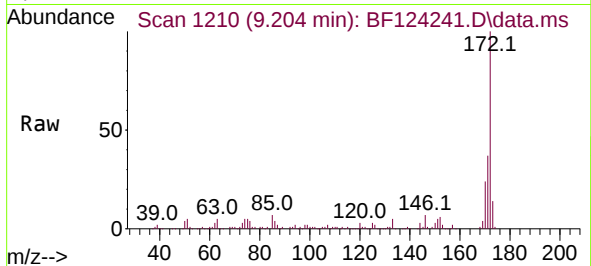




#45  
2-Fluorobiphenyl  
Concen: 51.96 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

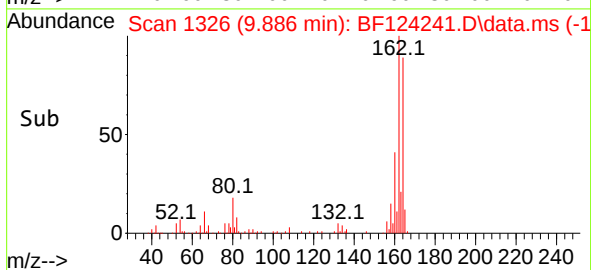
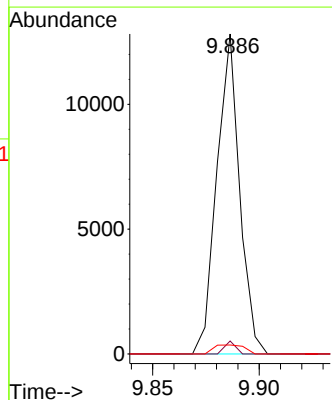
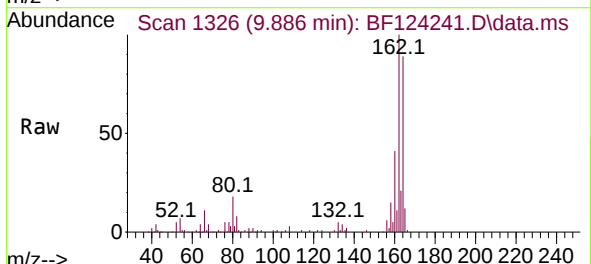
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

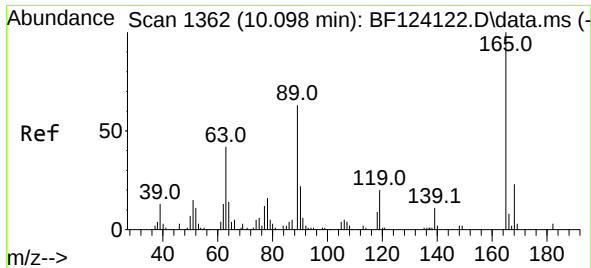
Tgt Ion:172 Resp: 296109  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.1 42.1  
170 24.3 19.2 28.8



#51  
2,6-Dinitrotoluene  
Concen: 7.00 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. 0.206 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion:165 Resp: 9516  
Ion Ratio Lower Upper  
165 100  
63 4.1 67.7 101.5#  
89 2.8 58.8 88.2#

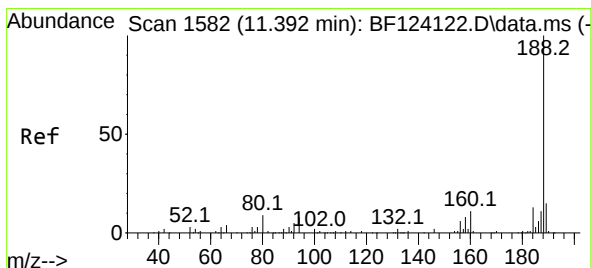
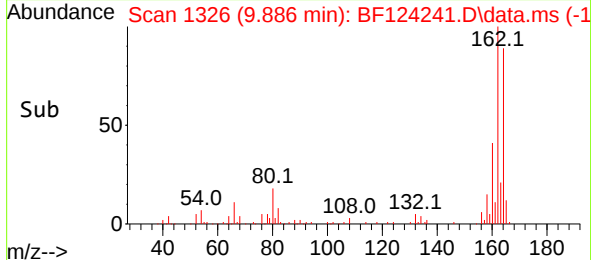
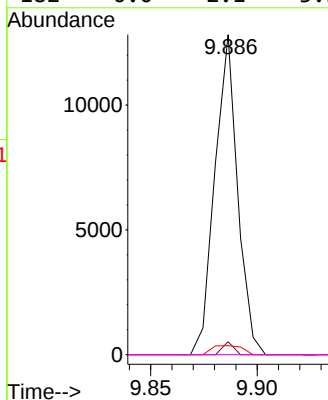
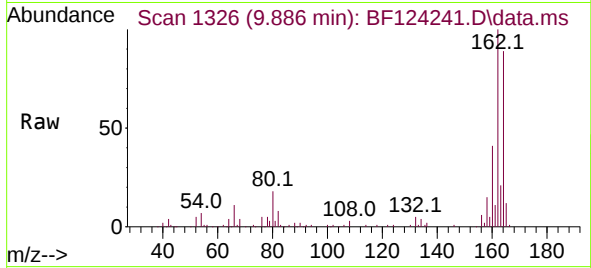




#57  
2,4-Dinitrotoluene  
Concen: 5.30 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. -0.200 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

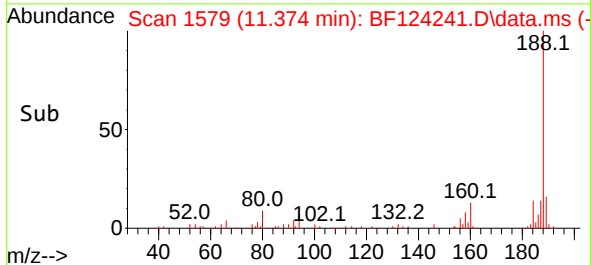
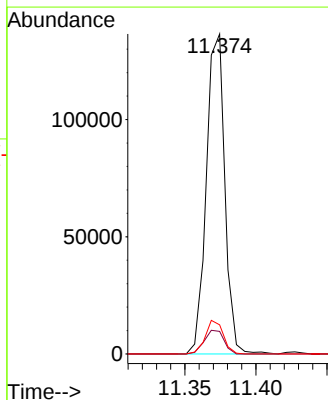
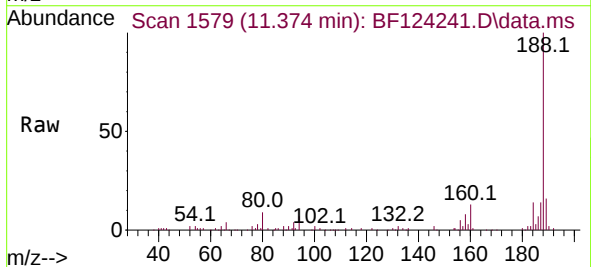
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

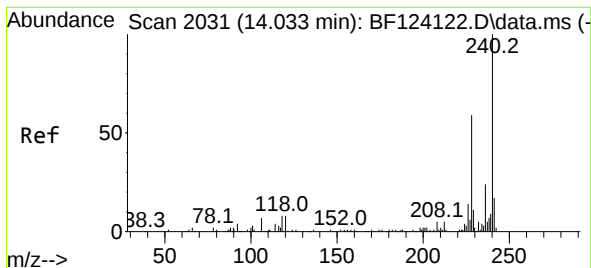
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|-------------|-------|-------------|
| Tgt Ion:165 | Resp: | 9516        |
| Ion Ratio   | Lower | Upper       |
| 165         | 100   |             |
| 63          | 4.1   | 43.5 65.3#  |
| 89          | 2.8   | 67.7 101.5# |
| 182         | 0.0   | 2.1 3.1#    |



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. 0.000 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:188 | Resp: | 123825   |
| Ion Ratio   | Lower | Upper    |
| 188         | 100   |          |
| 94          | 7.1   | 6.9 10.3 |
| 80          | 9.1   | 8.2 12.2 |

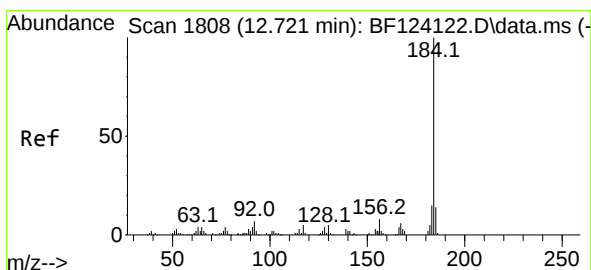
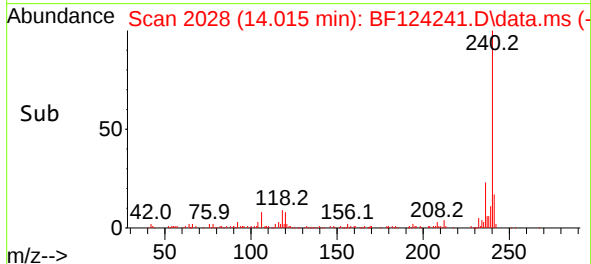
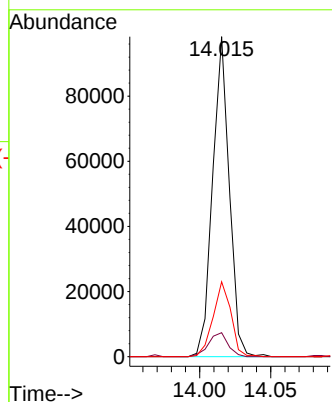
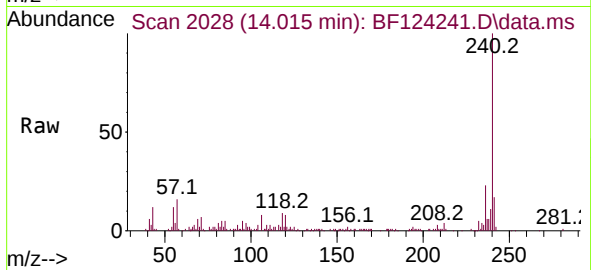




#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.015 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

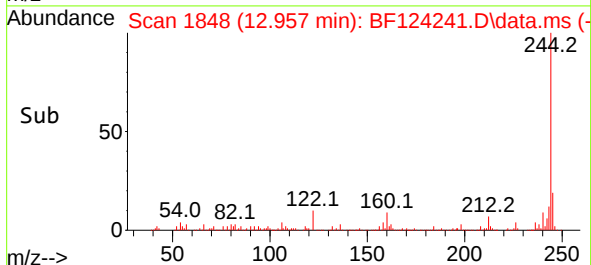
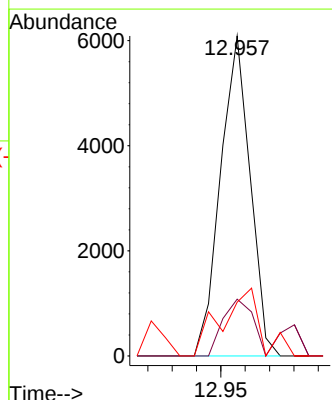
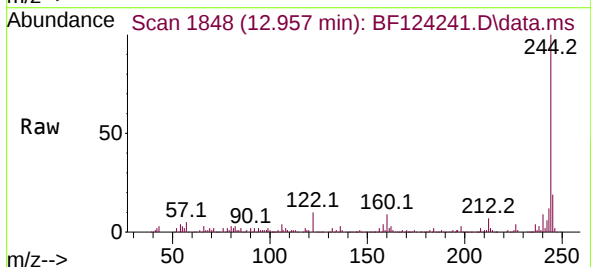
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

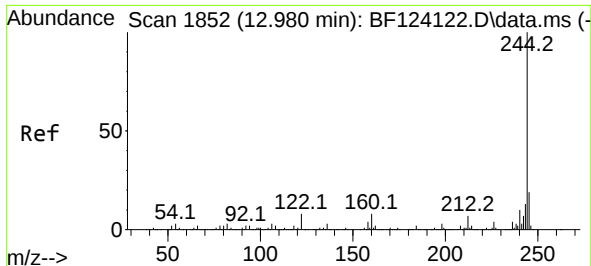
Tgt Ion:240 Resp: 80425  
Ion Ratio Lower Upper  
240 100  
120 7.5 7.2 10.8  
236 23.4 19.0 28.4



#77  
Benzidine  
Concen: 6.58 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. 0.247 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion:184 Resp: 5149  
Ion Ratio Lower Upper  
184 100  
185 17.8 12.1 18.1  
183 16.8 7.8 11.8#

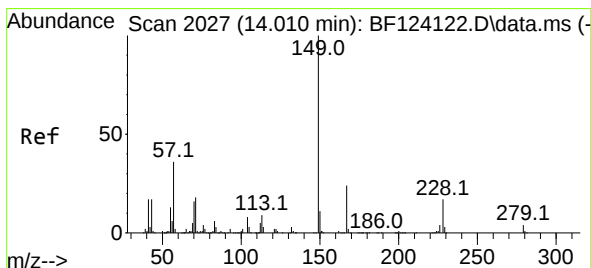
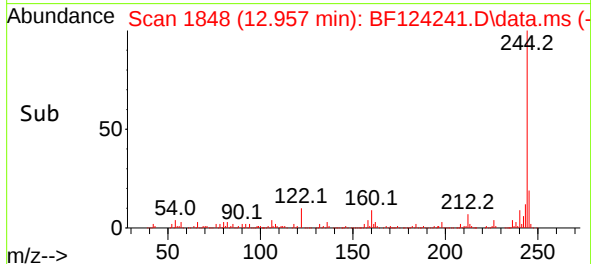
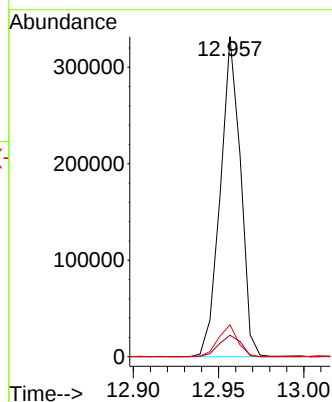
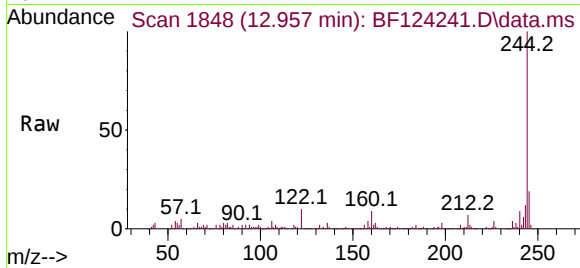




#79  
 Terphenyl-d14  
 Concen: 46.61 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.006 min  
 Lab File: BF124241.D  
 Acq: 10 Jun 2021 19:49

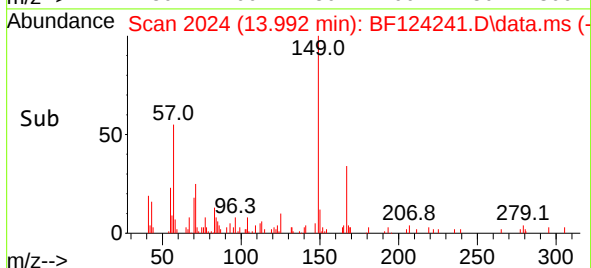
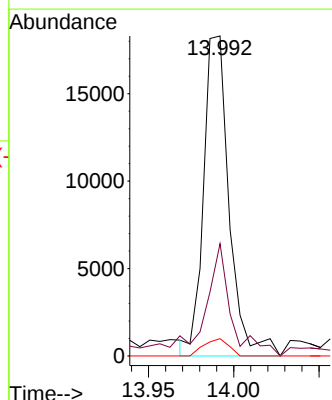
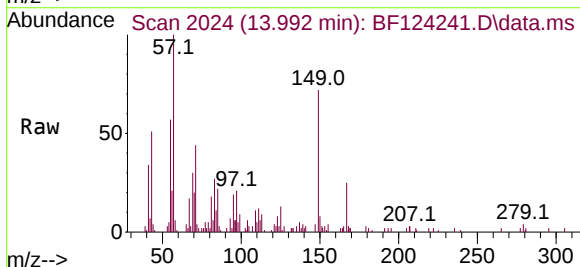
Instrument :  
 BNA\_F  
 ClientSampleId :  
 T-FLOOR

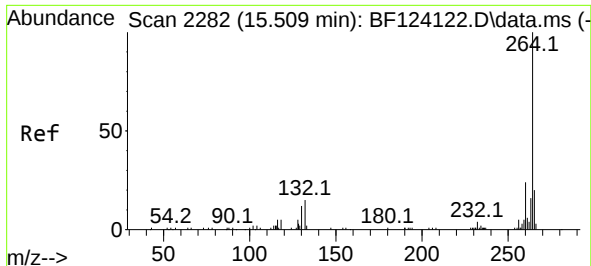
Tgt Ion:244 Resp: 273020  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.7 8.5  
 122 10.0 9.7 14.5



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.12 ng  
 RT: 13.992 min Scan# 2024  
 Delta R.T. 0.000 min  
 Lab File: BF124241.D  
 Acq: 10 Jun 2021 19:49

Tgt Ion:149 Resp: 19072  
 Ion Ratio Lower Upper  
 149 100  
 167 35.1 21.8 32.6#  
 279 5.4 3.3 4.9#

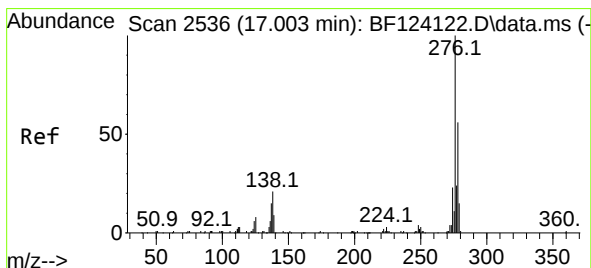
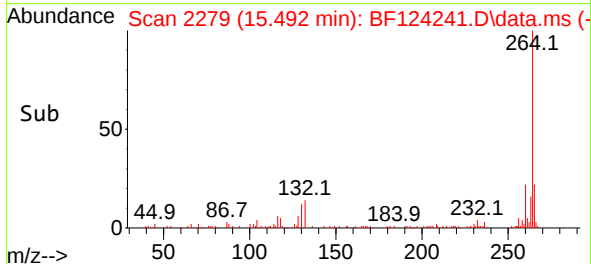
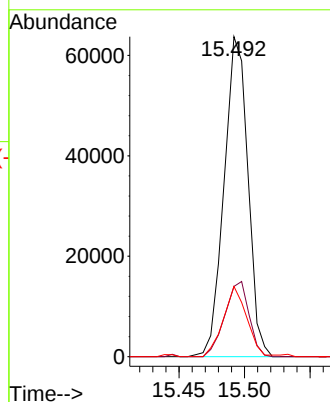
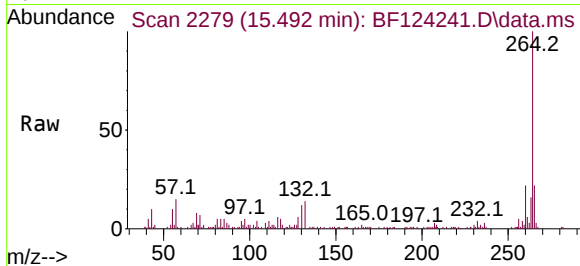




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.492 min Scan# 2279  
Delta R.T. 0.000 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

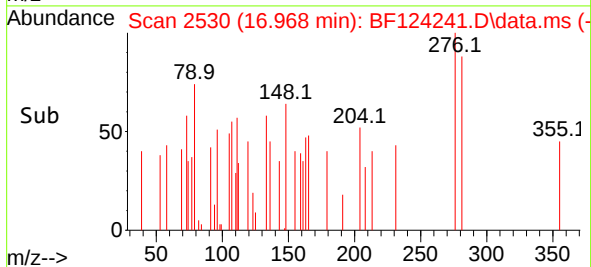
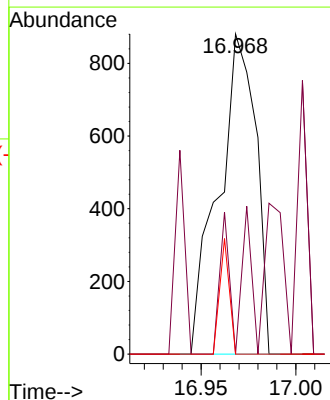
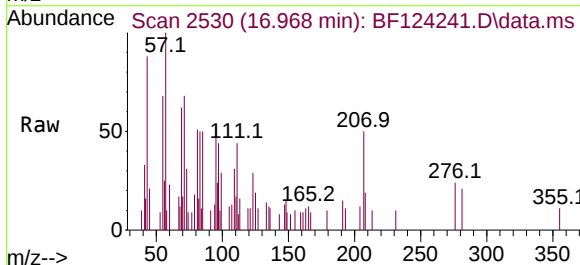
Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

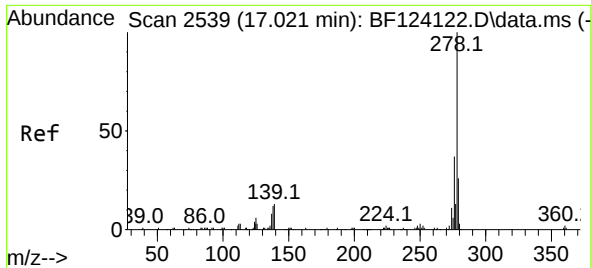
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 80390     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 22.0  | 18.7 28.1 |
| 265         | 21.9  | 17.8 26.8 |



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 4.50 ng  
RT: 16.968 min Scan# 2530  
Delta R.T. -0.012 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:276 | Resp: | 1214       |
| Ion Ratio   | Lower | Upper      |
| 276         | 100   |            |
| 138         | 11.4  | 16.2 24.2# |
| 277         | 9.2   | 20.1 30.1# |

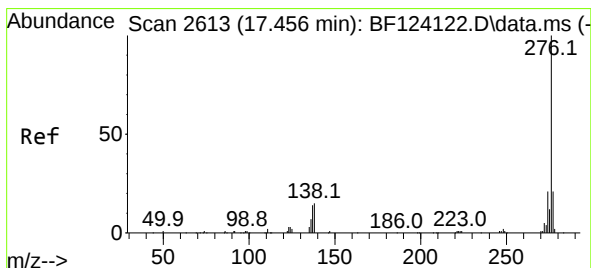
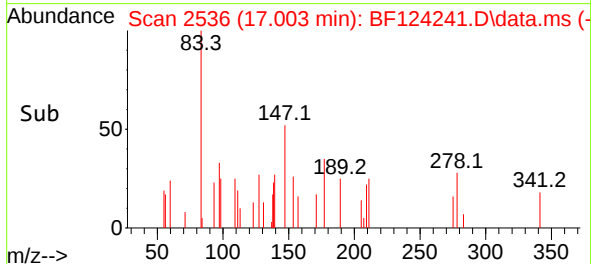
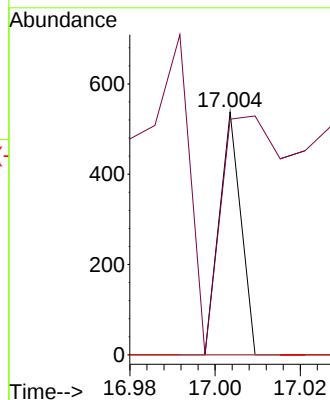
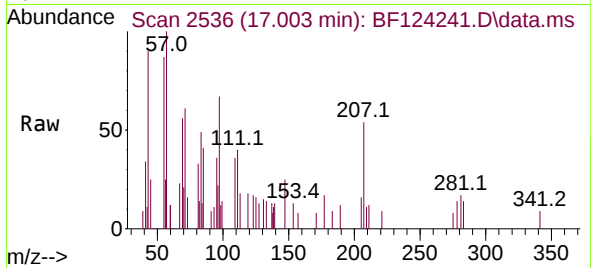




#91  
Dibenzo(a,h)anthracene  
Concen: 4.21 ng  
RT: 17.003 min Scan# 2536  
Delta R.T. 0.012 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Instrument :  
BNA\_F  
ClientSampleId :  
T-FLOOR

Tgt Ion:278 Resp: 190  
Ion Ratio Lower Upper  
278 100  
139 97.0 10.2 15.2#  
279 0.0 19.4 29.0#



#92  
Benzo(g,h,i)perylene  
Concen: 3.97 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. -0.006 min  
Lab File: BF124241.D  
Acq: 10 Jun 2021 19:49

Tgt Ion:276 Resp: 1020  
Ion Ratio Lower Upper  
276 100  
277 0.0 18.2 27.2#  
138 61.1 13.8 20.6#

